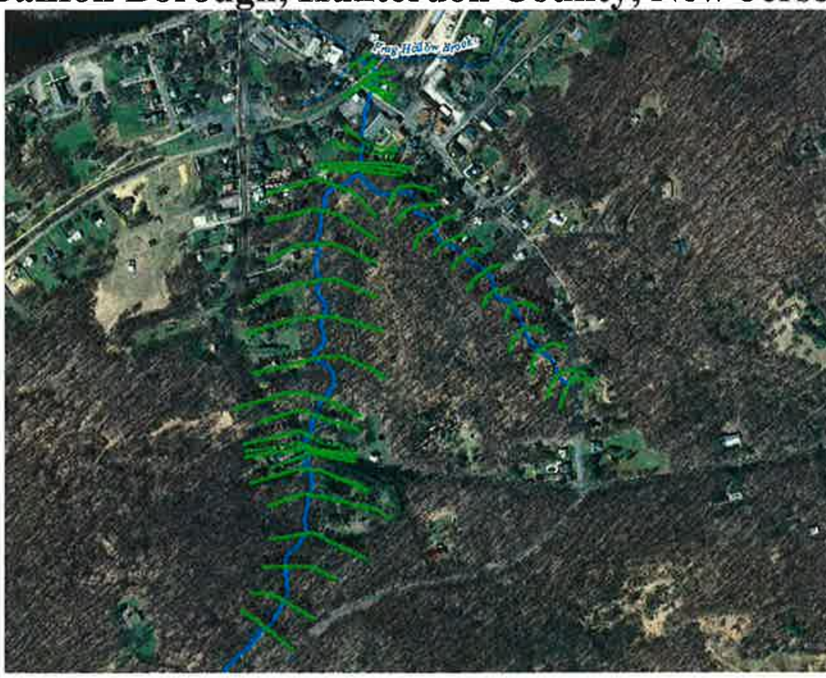
CALIFON BOROUGH
PRELIMINARY WATERSHED STREAM FLOODPLAIN ANALYSIS REPORT

PRELIMINARY EXISTING CONDITIONS HYDROLOGIC & HYDRAULIC MODELING

Califon Borough, Hunterdon County, New Jersey



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1.0 INTRODUCTION

This engineering analysis and report has been prepared by CV Associates (CVA) at the request of Keller & Kirkpatrick on behalf of the Borough of Califon. The report and supporting documentation is in support of the development of a preliminary hydrologic, hydraulic and watershed floodplain analysis for the existing stream tributary floodplain conditions within the central core of the Borough of Califon in Hunterdon County, New Jersey. The submitted analysis is in support of the Borough of Califon Highlands Water Protection and Planning Council grant. This analysis could serve as support for the development of a comprehensive plan for future infrastructure improvement within the Borough of Califon.

This report has been divided into five separate sections. Section 1.0 presents a general project description. Section 2.0 discusses data collected for this study. Section 3.0 presents design methodology and criteria. Section 4.0 presents the details of the completed hydrologic and hydraulic analysis. Section 5.0 summarizes and discusses the results and conclusions of the study. The appendices provide copies of the input and output data for the hydrologic and hydraulic model analysis and other various supporting documentation.

1.1 Background

The historic core of the Borough of Califon was developed during the mid to late 19th century around waterpower sites. Drainage systems were constructed specifically to collect and deliver stormwater to these waterpower sites and ultimately discharge into the South Branch of the Raritan River. Considerable segments of the original drainage courses and manmade infrastructure systems still remain in-place, but today are antiquated and unable to adequately convey stormwater runoff therefore resulting in frequent flooding conditions.

The Borough of Califon central core is located at the bottom of steeply sloped areas, in the range of 8 to 10 percent. In this area, a reoccurring flooding problem exists along unnamed tributaries, which traverses a natural wooded area between Academy Street and Main Street. The result is rapidly peaking storm runoff flows and erosive channel velocities along the rivulets and streams leading to the Borough of Califon central core, often resulting in flooding. The primary problem is the diversion of stormwater runoff from the tributary watersheds to an antiquated conveyance system of ditches, open channels, pipes and culverts of inadequate capacity within the areas of the

stream corridor originating from the large wooded area between Academy Street and Main Street. Flooding along the area reoccurs on a regular basis and also contributes in the degradation of water quality of the downstream receiving watercourses.

Incoming storm runoff flows from the stream corridor tributaries are severely restricted by an existing small open stone channel and piping under the existing firehouse and parking area resulting in flooding during ranges of frequent storm events. The total tributary area to the open stone channel at Railroad Avenue/Main Street is approximately 137.2 acres, which has been subdivided into seven (7) smaller separate subarea watersheds for the purposes of this current analysis. Downstream flows are controlled by two (2), 36" pipes under Columbia Trail. After the confluence with Frog Hollow Brook, flows are controlled by a three (3) cell culvert under Bank Street which is affected by backwater off of the flood reach of the South Branch of the Raritan River.

1.2 Project Description

An initial study was performed by Keller & Kirkpatrick through the Highlands Council (Initial Assessment Grant No. 08-033-010-1004) for the purposes of identifying those issues that would relate to the Borough of Califon reaching Plan Conformance. The study included detailed field reconnaissance to inventory and document existing features as needed to confirm tributary and associated watershed areas. A detailed field reconnaissance survey was performed to inventory and document existing watershed features. The entire stream corridor and surrounding drainage areas were investigated to identify existing drainage features and determine the watershed areas tributary to the stream corridor.

The existing, unnamed tributary streams to the South Branch Raritan River that traverses the Borough of Califon center have not been studied or delineated by the New Jersey Department of Environmental Protection (NJDEP) or by the Federal Emergency Management Agency (FEMA). An existing, outdated NJDEP model terminates at the confluence with Frog Hollow Brook. Runoff flows at this location are controlled by a three (3) cell culvert under Bank Street which is affected by the flood reach of the South Branch. Runoff flows of the tributary streams are controlled by two (2) 36" pipes under the Columbia Trail just upstream of Bank Street. As part of this current study analysis, the existing tributary streams up to and including the Columbia Trail pathway crossing were modeled in detail for the following storm recurrence intervals; the 5-, 10-, 25-, 50-, and 100-year storm events.

Available existing topographic and watershed area mapping was used to develop a preliminary hydrologic model. The model was based on current, existing development conditions. No stream gauging station data is available along the project site area. Therefore, the peak runoff flow rates and flood flow hydrographs were estimated using the U.S. Army Corps of Engineers HEC-1 computer model program.

The computed peak flood flow rates were then used in performing the preliminary existing conditions hydraulic modeling. The existing conditions hydraulic analysis was performed for the existing tributary stream corridors. Hydraulic modeling was performed using the U.S. Army Corps of Engineers HEC-RAS computer model program. The existing conditions hydraulic modeling was used to determine peak water surface elevations and profiles along the tributary stream corridors.

This preliminary existing conditions hydrologic and hydraulic modeling analysis forms the basis and foundation for the information that is required to develop any future floodplain mapping delineations, for future infrastructure improvement planning and for the design of any proposed future flood risk reduction and flood mitigation measures.

2.0 AVAILABLE INFORMATION

2.1 Data Collection

CVA utilized the following documentation in conducting this project study analysis:

- Plan entitled "Highlands Implementation Plan Studies Stream Corridor Improvements Califon Borough, Hunterdon County Key Map", sheet no. 1 of 4, prepared by Keller & Kirkpatrick Inc., stamp dated February 2, 2012,

- Plan entitled "Highlands Implementation Plan Studies Stream Corridor Improvements Califon Borough, Hunterdon County Replacement Culvert", sheet no. 2 of 4, prepared by Keller & Kirkpatrick Inc., stamp dated February 2, 2012,

- Plan entitled "Highlands Implementation Plan Studies Stream Corridor Improvements Califon Borough, Hunterdon County Relief Pipe Layout", sheet no. 3 of 4, prepared by Keller & Kirkpatrick Inc., stamp dated February 2, 2012,

- Plan entitled "Highlands Implementation Plan Studies Stream Corridor Improvements Califon Borough, Hunterdon County Recharge Trenches", sheet no. 4 of 4, prepared by Keller & Kirkpatrick Inc., stamp dated February 2, 2012,

- Plan entitled "Drainage Structures Location Map Railroad Avenue/Main Street/Bank Street Borough of Califon, Hunterdon County, New Jersey", map 1, prepared by Keller & Kirkpatrick Inc., undated,

- Plan entitled "Drainage Structures Location Map Railroad Avenue/Main Street/Bank Street Borough of Califon, Hunterdon County, New Jersey", map 2, prepared by Keller & Kirkpatrick Inc., undated,

- Plan entitled "Watershed Boundary Aerial Map Railroad Avenue/Main Street/Bank Street Borough of Califon, Hunterdon County, New Jersey", map 3, prepared by Keller & Kirkpatrick Inc., undated,

- Plan entitled "Watershed Boundary Topographic Map Railroad Avenue/Main Street/Bank Street Borough of Califon, Hunterdon County, New Jersey", map 4, prepared by Keller & Kirkpatrick Inc., undated,

- Report entitled "Draft Interim Report", prepared for the Highlands Water Protection and Planning Council, Amended Grant Agreement No. 09-033-011-1004, dated January 2012,

- Report entitled "Califon Borough – Initial Assessment Grant Stream Corridor Study", Volume 1 of 2, prepared by Keller & Kirkpatrick Inc., and dated March 2009,

- Report entitled "Califon Borough – Initial Assessment Grant Stream Corridor Study", Volume 2 of 2, prepared by Keller & Kirkpatrick Inc., and dated March 2009,

- Plan entitled "State of New Jersey, Department of Environmental Protection, Division of Water Resources, Bureau of Floodplain Management, Delineation of Floodway and Flood Hazard Area, South Branch Raritan River Sta. 3327+90 to Sta. 3410+30 Lebanon Township, Califon Borough, Hunterdon County, New Jersey", plate SB-23, prepared by Anderson-Nichols & Co., Inc., dated September 1982,

- Effective FEMA Flood Insurance Study (FIS) for Hunterdon County, New Jersey (all jurisdictions) Volumes 1 thru 5 dated September 25, 2009,

- Effective FEMA Digital Flood Insurance Rate Map (DFIRM) Panel Numbers 34019C0127F and 34019C129F, for Hunterdon County, New Jersey (all jurisdictions) dated September 25, 2009,

- Topographic information in geographic information system (GIS) format digital elevation model (DEM) tile terrain of the subject area derived from LIDAR data collected by the Highlands Council (2 meter post spacing) and Earthdata (5,000 foot flying height and 2 meter post spacing),

- NJDEP 2007 Land Use/Land Cover Update, Upper Delaware Watershed Management Area, WMA-1 from the New Jersey Department of Environmental Protection, Office of Information Resource Management (OIRM), Bureau of Geographic Information Systems (BGIS),

- Soil Survey Geographic (SSURGO) database for Hunterdon County, New Jersey from the United States Department of Agriculture (USDA), Natural Resources Conservation Services (NRCS), Soils Data Mart, dated 2007,

- New Jersey 2007-2008 High Resolution Orthophotography (MrSID format) from the New Jersey Image Warehouse, and

- USGS Califon, NJ Topographic Quadrangle Maps in digital format.

2.2 Site Visit

CVA compiled information on the existing conditions of the central core of the Borough of Califon. Also, on April 3, 2012, CVA conducted a site visit to gather additional details on the project location and visually observe the contributory watershed areas, stream channel tributaries and roadway bridge, culvert and embankment areas. This work included:

Field Measurements and Visual Observations: During the site visit, CVA collected additional field measurements of the stream channel tributaries, culvert and related hydraulic openings to supplement and confirm the information provided by Keller & Kirkpartick. This included visual observations of Columbia Trail pathway, Main Street and Academy Street roadways, culvert structures and sections of the existing channel tributaries.

Watershed & Stream Field Observations: The watershed that contributes incoming runoff flow to the open stone channel which conveys flow under the firehouse parking lot to the Railroad Avenue/Main Street culvert was visually observed. The data collected during our field visit included information from visual observations of channel cross-sections, crossings and roadways. Areas of the channel system were observed as to the size and shape, type of soil and other materials in the banks and bottoms of the channel, an estimate of Manning's roughness coefficient, the apparent stability or lack of stability of the channel, and the proximity to existing homes and structures. In general, the watershed area is made up of mostly a combination of forest, agricultural and urban land cover areas.

Photographs: During the site visit color photographs were taken of various features for modeling support.

The elevations in this report reference to a specific vertical datum. The vertical datum provides a starting point against which flood, ground, and structure elevations can be referenced and compared. The topographic survey information and other elevations used in the hydrologic and hydraulic modeling were all in the North American Vertical Datum of 1988 (NAVD 1988).

3.0 DESIGN METHODOLOGY & BACKGROUND

Flooding generally occurs when a rainstorm or melting snow generates a specific amount of runoff flow that overtops the banks of a stream watercourse and flows onto the floodplain areas. Since the floodplain area is a desirable place to locate homes and businesses, these high flows generally cause damage and could sometimes also be associated with injuries and death. Floods vary greatly in intensity and duration depending on storm patterns, drainage basin characteristics, and other factors. Hydrologic and hydraulic analysis of floods provides a sound technical basis for facilities design as well as for management decision making that must weigh numerous other factors.

3.1 Hydrologic Evaluations

3.1.1 General Nature of Flood Hydrology

Flood hydrology involves the estimation of the magnitude of stream flow at various locations within a watershed resulting from a given precipitation input. The hydrologic system embodies all of the physical processes that are involved in the conversion of precipitation to stream flow, as well as physical characteristics of the watershed and atmosphere that influence runoff generation. The use of computer models to simulate the hydrologic system is of major significance in the performance of many flood-runoff analyses. A fundamental problem in simulating hydrologic systems is to employ the appropriate level of detail to represent those components of the system that have a significant influence on the phenomena being modeled. An associated problem is to acquire and interpret information on watershed characteristics, to enable an appropriate representation of the system.

3.1.1.1 Physical Processes

The hydrologic cycle comprises all of the physical processes that affect the movement of water in its various forms, from its occurrence as precipitation near the earth's surface to its discharge to the ocean. Such processes include interception, water storage in depressions, water storage in lakes and reservoirs, snow accumulation and melt, infiltration through the earth's surface, percolation to various depths in the subsurface, the storage of water in the subsurface, the lateral movement of water in both unsaturated and saturated portions of the subsurface, evaporation from water bodies and moist soil, transpiration from vegetation, overland flow, and streamflow. The processes are complex and can be defined with varying degrees of sophistication, with some processes being more significant than others for particular types of analysis.

3.1.1.2 Storm Characteristics

Precipitation is an input to a hydrologic system. The precipitation might be associated with a historical storm, a design storm, or may result from a stochastic generation procedure. Generally, precipitation is averaged spatially (i.e., "lumped") over a subbasin, or perhaps over a geometric "element," if a "distributed" model is being used. Likewise, precipitation intensity is averaged over a time interval. Thus, the precipitation input to the hydrologic system is commonly represented by hyetographs of spatially and temporally averaged precipitation.

Each storm type (e.g., convective, frontal, orographic) has predominant characteristics regarding the spatial extent and variability, intensity, and duration of precipitation. Precipitation fields associated with storms, especially the convective type, exhibit substantial spatial and temporal variability.

3.1.1.3 Watershed Characteristics

A key aspect of simulating a hydrologic system is representation of the physical properties of the actual system. Watersheds are heterogeneous with respect to topography, geology, soils, land use, vegetation, drainage density, river characteristics, etc. In most applications, the properties are lumped on a subbasin basis and represented by simple indices.

3.1.2 Data Considerations

Types and sources of data for flood-runoff analysis may be categorized as that related to physical attributes of a basin, and data pertaining to the historical movement of water (in its various states) through the hydrologic cycle. Physical attributes include area, surficial geometric characteristics (area, shape, slope, etc.), soil type, land use, vegetative cover, subsurface characteristics (location, size and geometry of subsurface features, hydraulic conductivities, etc.), and stream channel characteristics (shape, slope, roughness, etc.). Some of these attributes are static, while others may change seasonally or over longer time periods.

Data related to water movement include precipitation, snow depth and other snow-related information, storage of water in surface water bodies, infiltration, soil moisture, movement of water in both unsaturated and saturated portions of the subsurface, evaporation, transpiration, and streamflow (or flow in conduits or other drainage devices). In addition, meteorological data such as air temperature, solar radiation and wind may be used with energy relations to define water movement. Although a number of these data types might be used in a particular analysis, many flood-runoff studies rely primarily on historical precipitation and streamflow data.

3.1.3 Approaches to Flood-Runoff Analysis

Methods of flood-runoff analysis are generally categorized under three approaches including; simplified methods, frequency analysis of streamflow data and precipitation-runoff analysis of storm events analysis.

Simplified methods may involve use of formulas, previously derived regression equations, envelope curves, etc. as a basis for making hydrologic estimates. Where adequate streamflow data are available, frequency analysis of such data can be performed to develop exceedance frequency relationships. For situations where historical streamflow data is nonexistent or inadequate for required estimates, a precipitation-runoff simulation model is commonly used for flood-runoff analysis. In the case of the watershed floodplain analysis for Califon Borough no streamflow data was available and so a precipitation-runoff simulation model was developed.

The primary output of a precipitation-runoff simulation model is discharge hydrographs at locations of interest. Runoff consists of precipitation and other flow contributions collected from a drainage basin that appears in the surface stream at the outlet of the basin. In a basin that is divided into subbasins for modeling, the routing and combining of discharge hydrographs from individual subbasins are additional parts of the simulation of the precipitation-runoff process.

3.1.4 Hydrologic Simulation Program

For the Califon Borough watershed floodplain analysis, the U.S. Army Corps of Engineers (USACOE) HEC-1 computer model program was used to develop the 5-, 10-, 25-, 50-, and 100-year recurrence interval storm events.

3.2 Water Surface Profile Modeling

Just as the discharge hydrograph is a reflection of the hydrologic nature of a flood, the water surface profile is a reflection of the hydraulics of flood flow in a channel and floodplain. The water surface profile changes along a watercourse due to changes in natural channel geometry, surface roughness, and developments such as levees, bridges and channel improvements. The specific effect of these changes on the water surface profile depends on the type and class of flow.

3.2.1 Hydraulic Simulation Program

A standard step backwater analysis for the existing conditions along the stream tributaries within the central core of Califon Borough was used to develop the stream water surface elevations and profiles. The latest version (Version 4.1.0) of the U.S. Army Corps of Engineers (USACOE), Hydrologic Engineering Center River Analysis System (HEC-RAS) model program with steady flow analysis under subcritical flow regime was used

to compute the water surface elevations and profiles for the 5-, 10-, 25-, 50- and 100-year peak runoff flow rate storm events.

4.0 HYDROLOGIC & HYDRAULIC ANALYSIS

4.1 General

The main purpose of this study is to perform a detailed preliminary hydrologic and hydraulic analysis of the existing, unnamed tributary channel stream condition upstream of the South Branch Raritan River that traverses the Borough of Califon center core. This analysis consists of determining the flood flow hydrographs and peak runoff flow rates, as well as the associated peak water surface elevations and profiles during the 5-, 10-, 25-, 50- and 100-year storm event conditions. The existing conditions watershed floodplain analysis extends up to and including the Columbia Trail pathway crossing on the downstream end.

The following paragraphs describe the procedures used for determining the 5-, 10-, 25-, 50- and 100-year storm recurrence interval event inflow hydrographs and the determination of the associated peak water surface elevations and flood profiles using both the HEC-1 and HEC-RAS computer model programs.

4.2 HEC-1 Model

The USACOE HEC-1 Flood Hydrograph Package is a steady, non-uniform flow, computer model designed to simulate flood events through the surface response of a river basin to precipitation by representing the basin as an interconnected system of hydrologic and hydraulic components. Multiple sub-watershed areas can be modeled, as well as river reaches, to interconnect the sub-watersheds.

For this project, the HEC-1 model was used to develop inflow hydrographs and peak runoff flows based upon a sub-divided watershed precipitation-runoff simulation model for the 5-, 10-, 25-, 50- and 100-year storm recurrence interval events.

4.2.1 Precipitation, Watershed Area, Runoff and Hydrologic Parameters

4.2.1.1 Precipitation

The SCS Type III distribution has been designated for use in the project study area for the determination of the 5-, 10-, 25-, 50- and 100-year storm recurrence interval events. The intensity of rainfall varies considerably during a storm as well as by geographic region. To represent various regions of the United States, the Natural Resources Conservation Service (NRCS) developed the synthetic 24-hour rainfall distribution applicable to New Jersey from available National Weather Service (NWS) duration-frequency data and/or local storm data.

County rainfall frequency data for New Jersey has recently been revised following a study conducted by the National Oceanic and Atmospheric Administration (NOAA) for

the Ohio River Basin and Surrounding States including New Jersey. This study incorporated rainfall data collected since NWS Technical Paper 40 (TP-40) was developed in the early 1960's. The revised data, which is contained in NOAA Atlas 14, replaces the NWS TP-40 rainfall frequency values for New Jersey. Average county rainfall frequency data has been developed by NRCS based on the individual weather station values contained in NOAA Atlas 14.

The 5-, 10-, 25-, 50- and 100-year storm recurrence interval events are regionally determined storm magnitudes with a 24-hour duration that have a 20%, 10%, 4%, 2%, and 1% chance, respectively, of being equaled or exceeded in any one given year. The total rainfall was derived from a precipitation chart provided by the NRCS for each county in New Jersey. The following Table 4-1 below presents the rainfall frequency depths for Hunterdon County that were used as part of the input to the HEC-1 model:

Table 4-1
NRCS/NOAA 24-Hour Rainfall Frequency Data
Hunterdon County, New Jersey

5-year	10-year	25-year	50-year	100-year
4.3 inches	5.0 inches	6.1 inches	7.0 inches	8.0 inches

4.2.1.2 Watershed Area

The total watershed or drainage area, which contributes incoming runoff flow to the open stone channel conveying flow under the firehouse parking lot to the Railroad Avenue/Main Street culvert, was previously determined by Keller & Kirkpatrick to be approximately 137.20 acres (0.214 mi^2).

This watershed was subdivided into seven smaller subareas (A, B1, B2, C, D, E, and F) for modeling purposes. The total watershed generally slopes in a south to north direction, which follows the direction of flow in the existing stream channel tributaries. Although a majority of the watershed areas are located within the Borough of Califon, smaller portions of the upstream end of the watershed areas are also located with the Boroughs of Lebanon and Tewksbury.

The upstream watershed area and the associated subareas were used as part of the hydrologic input parameters for the HEC-1 hydrologic modeling. The Watershed Area Map illustrated in Figure 1 shows the watershed and subarea boundary delineations and project site vicinity.

4.2.1.3 Runoff

The synthetic unit hydrograph method of the Soil Conservation Service (SCS), which is based on a dimensionless unit hydrograph, was utilized within the HEC-1 modeling. Three key parameters are required as input data for the SCS dimensionless hydrograph method of a precipitation-runoff relationship within a watershed/subarea consisting of: the watershed lag time, the runoff curve number, and soil infiltration.

The first parameter is time of concentration, T_c, defined as the time it takes storm runoff to travel from the most hydraulically distant point of the watershed to a point of interest within the watershed. T_c is computed by summing all the travel times for consecutive components of the drainage conveyance system. T_c influences the shape and peak of the runoff hydrograph.

The relative timing of hydrologic events must also be known. A basic measure of timing is the watershed lag time T_L or basin lag, which locates the hydrograph's position relative to the causative storm pattern. It is the property of the drainage area, which is defined as the difference in time between the center of mass of effective rainfall and the center of mass of runoff produced. The NRCS has developed a method of computing the watershed lag value for a typical watershed in terms of T_c using the empirical relation as $T_L = 0.6T_c$.

The second key parameter includes the characteristics of the land from which stormwater is collected. Land characteristics are described with a Soil Conservation Service (SCS) Runoff Curve Number (CN). The CN value provided in TR-55 accounts for the type of soil and specific land use and land cover. When several CN values are representative of differing areas in a watershed, a weighted average can be calculated.

The land-uses and hydrologic soil groups within the watershed were derived from GIS for land-use/land cover mapping, NJ 2007-2008 High Resolution Orthophotography of the project watershed, and NRCS Soil Survey data for Hunterdon County. Figure 4 illustrates the various land use types, Figure 3 illustrates the various hydrologic soil groups and Figure 1 illustrates the 2007-2008 digital color infrared (CIR) orthophotography of New Jersey in State Plane NAD83 Coordinates (aerial imagery) that are located within the Califon Borough central core watershed/subareas map delineation.

The final parameter required for runoff analysis is soil infiltration within each sub-basin during the design storm (loss of runoff). This parameter is expressed by a combination of equations 2-2 and 2-4 within TR-55:

> Initial abstraction (stormwater losses to the soil before runoff begins),
> $I_a = 0.2[(1000/CN) - 10]$

Therefore, the parameter is directly related to the CN value determined for the watershed/subareas as discussed above.

4.2.1.4 Hydrologic Parameters

The hydrologic input parameters presented in Table 4-2 below were used for the hydrologic evaluation of the 5-, 10-, 25-, 50- and 100-year storm recurrence interval events in the input to the HEC-1 modeling that was prepared for the Califon Borough central core drainage basin area analysis.

Table 4-2
Summary of HEC-1 Hydrologic Parameters
Califon Borough Watershed Stream Floodplain Analysis

Watershed Subarea	HEC-1 INPUTS			
	Drainage Area *(acres)*	Runoff Curve Number	Time of Concentration *(hrs)*	Time Lag *(hrs)*
SUB A	70.2	77	0.71	0.43
SUB B1	32.1	64	0.93	0.56
SUB B2	1.7	71	0.08	0.05
SUB C	1.1	77	0.14	0.09
SUB D	4.0	71	0.27	0.16
SUB E	13.5	68	0.26	0.15
SUB F	14.6	66	0.38	0.26

Once the rainfall distribution and hydrologic subarea input parameters were determined, these were incorporated into the preliminary HEC-1 existing conditions model for the evaluation of the 5-, 10-, 25-, 50- and 100-year storm recurrence interval events. The HEC-1 model was set up to determine inflow hydrographs and peak runoff flow rates at the individual subarea outlet locations and the combined inflow hydrograph and peak runoff rates at the downstream outlet of the overall contributory watershed area.

4.2.2 Summary of Computed Peak Flow Discharges

The 5-, 10-, 25-, 50- and 100-year storm recurrence interval events existing conditions inflow hydrographs were computed. Table 4-3 below presents a summary of the computed peak inflow discharge results at seven individual subarea outlet locations as determined by the preliminary existing conditions HEC-1 computer model.

Table 4-3
Summary of HEC-1 Peak Discharges
Seven Subareas
Califon Borough Watershed Stream Floodplain Analysis

Watershed Subarea	Storm Recurrence Interval				
	5-Year cfs	10-Year cfs	25-Year cfs	50-Year cfs	100-Year cfs
SUB A	83	106	145	177	213
SUB B1	16	24	36	47	60
SUB B2	3	4	5	7	8
SUB C	2	3	4	4	5
SUB D	5	7	10	13	15
SUB E	15	21	31	39	49
SUB F	12	17	26	33	42

The preliminary existing conditions HEC-1 model was set up to also compute the peak runoff discharge rates for the 5-, 10-, 25-, 50- and 100-year storm recurrence interval events at the downstream location of the existing small open stone channel and piping under the firehouse and parking area, as well as locations along the stream tributary channels. This was accomplished through the use of combining, lagging and routing subroutine operations for the computed discharge hydrographs throughout the stream tributary channel network.

In addition, in the vicinity of the outlet of subarea E, there exists a split flow condition. In this area, flow will first be conveyed in a north-east direction before overbanking and then being conveyed in a north-west direction. Based upon the information that was provided by Keller & Kirkpatrick, the split off flow is initially diverted to the north-east

under Main Street to Frog Hollow Brook and is estimated to be about a 60 cfs flow capacity diversion before overbanking to the north-west and then contributing to flooding in the vicinity of the firehouse. The characteristics of this split flow condition and were included in the HEC-1 model for this project as a diversion subroutine.

Table 4-4 below presents a summary of the computed peak inflow discharge results at the downstream location of the existing small open stone channel and piping under the firehouse and parking area for the 5-, 10-, 25-, 50- and 100-year storm recurrence interval events as determined by the preliminary existing conditions HEC-1 computer model.

Table 4-4
Summary of HEC-1 Peak Discharges
Watershed Outlet
Open Stone Channel and Piping under the Firehouse
Califon Borough Watershed Stream Floodplain Analysis

Watershed Subarea	Storm Recurrence Interval				
	5-Year *cfs*	10-Year *cfs*	25-Year *cfs*	50-Year *cfs*	100-Year *cfs*
COMB5	88	113	155	191	246

4.3 HEC-RAS Model

In addition to the watershed hydrologic modeling that was performed and described above, hydraulic water surface profile modeling was also performed. The peak 5-, 10-, 25-, 50- and 100-year storm recurrence interval event discharges determined from the HEC-1 modeling were input into a steady flow data file of the existing conditions created in the HEC-RAS model to determine flood water surface elevations and profiles. The U.S. Army Corps of Engineers (USACOE), Hydrologic Engineering Center River Analysis System (HEC-RAS) software (version 4.1.0) allows the user to perform one-dimensional steady flow and unsteady river flow calculations and was set up to allow changes in the flow regime (supercritical, critical, and sub-critical) to account for stream contraction and rapidly changing slopes.

The HEC-RAS program has the ability to perform subcritical, supercritical or mixed flow regime calculations. Subcritical profiles computed by the program are constrained to critical depth or above, while supercritical profiles are constrained to critical depth or below. In cases where the flow regime will pass from subcritical to supercritical, or supercritical to subcritical, the program could be run in a mixed flow regime mode. Based upon the field conditions and characteristics of the modeled stream reach, one-

dimensional steady flow water surface elevations and profiles modeled in a subcritical flow regime mode were determined to be appropriate and developed as part of this project study.

HEC-GeoRAS was used to develop a georeferenced geometric data file. HEC-GeoRAS is a set of procedures, tools, and utilities for processing geospatial data in ArcGIS using a graphical user interface (GUI). The interface allows the preparation of geometric data for import into HEC-RAS and processes simulation results exported from HEC-RAS. To create the import file, the user must have an existing digital terrain model (DTM) of the river system in the ArcInfo triangular irregular network (TIN) or digital elevation model (DEM) format. The user creates a series of line themes pertinent to developing geometric data for HEC-RAS.

The HEC-RAS geometric data file for the existing conditions were developed using a combination of actual physical field survey data, supplemented and merged with information from DEM tile DTM of the subject area and other various bridge, culvert and roadway dimensions based on surveyed existing conditions plans. The digital terrain data was developed using LIDAR data collected by the Highlands Council (2 meter post spacing) and Earthdata (5,000 foot flying height and 2 meter post spacing).

A total of three unnamed stream corridors were modeled in the geometric file of the HEC-RAS model for this project, including two upstream stream tributary channels and one downstream tributary channel. The upstream stream tributary channels, labeled as the West Reach and the East Reach are joined at a junction just upstream of the firehouse and then the combined flows were modeled along the Downstream Reach and under and downstream of the firehouse.

4.3.1 Cross Sections

As noted previously, three stream corridors were modeled in the geometric file of the HEC-RAS model for this project. Cross sections along each of these streams, including the West Reach, the East Reach and the Downstream Reach, were developed for the model. These sections were developed by the use of the digital terrain model in the form of DEM grid tiles and supplemented with field survey data provided by Keller & Kirkpatrick. The DEM was used to extract station-elevation data along the cross-sections.

A total of forty-eight (48) total cross sections were constructed for the existing conditions Califon Borough HEC-RAS modeling. This included twenty (20) cross-sections along the West Reach, twelve (12) cross-sections along the East Reach, and sixteen (16) cross-sections along the Downstream Reach.

A combined stream reach length of about 0.71 miles (3,726 feet) was modeled as part of this project. This included 0.21 miles (1,124 feet) along the West Reach, 0.37 miles

(1,978 feet) along the East Reach, and 0.12 miles (624 feet) along the Downstream Reach.

Illustrations of the DEM extracted locations and plan layout of the cross-sections are included on Figure 5, while the overall section layouts are also illustrated on the geometric data file plan views of the location of the HEC-RAS model river cross-sections for the existing conditions and are included in the report appendices. The shape of each cross section is also illustrated in the appendices with the HEC-RAS model printout [see Appendix I, HEC-RAS Step Backwater Computations – Existing Condition].

4.3.2 Manning's Roughness Coefficient

The following Manning's roughness (n) coefficients were used as part of this preliminary study:

n = 0.035, used for the channel areas
n = 0.080, used for the right and left bank and overbank areas

The Manning's roughness (n) coefficients used were based on information from the field observations of the project locations along the various unnamed stream channel tributaries.

4.3.3 Contraction and Expansion Coefficients

The following contraction and expansion coefficients were used as part of this preliminary study:

Gradual transitions: 0.1 (contraction) – 0.3 (expansion)
Prompt transitions: 0.3 (contraction) – 0.5 (expansion)

The contraction and expansion coefficients are used to compute energy losses associated with changes in the shape of river cross-sections. These losses are the result of the contraction and expansion of flow between cross sections.

4.3.4 Bridge and Culvert Structure Data

Existing stream channel crossings were observed in the field as to consider bridge and culvert opening sizes and shapes, opening and roadway materials, elevations, lengths and skew angles. These characteristics were considered in combination with field survey information and other details that were provided by Keller & Kirkpatrick. The downstream crossing and culvert locations that were included in the HEC-RAS modeling are as follows:

4.3.4.1 West Reach Crossings

The West Reach stream channel portion of the hydraulic modeling included two bridge/culvert crossings. The first crossing is an existing driveway for access to a private residence that is located just upstream of Academy Street with the following characteristics:

Bridge/Culvert Material:	Concrete & Stone with Rubble Channel Bottom
Opening Span (Normal):	4.0 feet ±
Pier Width(s):	N/A none
Opening Rise:	5.0 feet ±
Roadway Width:	14.0 feet ±
Finished Roadway Grade:	594.0 feet NAVD 88 ±
Underclearance Elevation:	593.0 feet NAVD 88 ±

The second crossing along the West Reach stream channel is located along Academy Street just downstream of the paved driveway access. The following characteristics were modeled for the opening and crossing:

Bridge/Culvert Material:	Stone & Mortar with Rubble Channel Bottom
Culvert Span (Normal):	6.0 feet ±
Pier Width(s):	N/A none
Opening Rise Upstream:	3.0 feet ±
Opening Rise Downstream:	6.0 feet ±
Roadway Width:	25.0 feet ±
Finished Roadway Grade:	591.0 feet NAVD 88 ±
Underclearance Elevation:	586.93 feet NAVD 88 ±

4.3.4.2 East Reach Crossings

There were no bridge and/or culvert crossings included in the hydraulic modeling along the East Reach stream channel portion of the tributary channel.

4.3.4.3 Downstream Reach

The Downstream Reach stream channel portion of the hydraulic modeling included two bridge/culvert crossings. Specifically, the first crossing was included to model the obstruction and the existing piping that is located under the firehouse and parking area, that outlets just downstream of Main Street. The existing system of piping located under the firehouse and parking lot is complicated by the fact that; the system is antiquated; the hydraulic opening size is somewhat variable due to the irregular construction; and the system is compromised by obstructions, pass-through conduits and repair modifications. The following crossing characteristics were used for the hydraulic modeling of the first crossing:

Bridge/Culvert Material:	Stone Masonry with Rubble Channel Bottom
Culvert Span (Normal):	3.2 feet ±
Pier Width(s):	N/A none
Culvert Rise:	2.2 feet ±
Roadway Width:	175.0 feet ±

The second crossing along the Downstream Reach stream channel is located along Columbia Trail pathway downstream of Main Street. The following characteristics were modeled for the opening and crossing:

Culvert Material:	Twin RCP Pipe Culverts
Culvert Diameter (each):	3.0 feet ±
Culvert Length:	33.0 feet±
Top of Crossing Width:	10.0 feet ±
Finished Crossing Grade:	484.0 feet NAVD 88 ±

4.3.5 Stream Junction

Stream junctions are defined as locations where two or more stream channels either confluence together or they split apart. Junction data consists of a description, reach lengths across the junction, tributary angles and modeling approach. For steady flow hydraulics in HEC-RAS, a junction can be modeled by either the energy equations or the momentum equations.

For this project, the West Reach and the East Reach flows merge and confluence with the Downstream Reach which flows in the downstream direction. As such, a junction was included in the hydraulic model at the confluence these reaches. The junction was modeled by energy equations.

4.3.6 Boundary Conditions

For a subcritical flow regime mode hydraulic analysis, boundary conditions are necessary to establish the starting water surface elevations at the downstream ends of a river reach. A starting water surface elevation is necessary in order for the HEC-RAS program to begin the standard step backwater calculations.

For this project, normal depth was selected as the downstream end boundary conditions of the Downstream Reach. This type of boundary condition requires an energy slope that will be used in calculating normal depth, using Manning's equation, at that location. In general, using the average slope of the channel bottom or the average slope of the water surface in the vicinity of the cross-section can approximate the energy slope. For this study, a normal depth slope of 0.0027 was used for the downstream end boundary condition.

4.3.7 Bridge Modeling Approach

The bridge and culvert routines in HEC-RAS allow the modeler to analyze a bridge under various flow combinations; low flow, low flow and weir flow, pressure flow (orifice equations), pressure and weir flow, and highly submerged flows. For the modeling, "low flow" computations were based upon the Energy Equation (standard step method) while the "high flow" computations were based on the Pressure and/or Weir Flow Method.

Pressure flow occurs when the upstream flow comes into contact with the low chord of the bridge. Once the flow comes into contact with the upstream side of the bridge, a backwater occurs and orifice flow is established. The HEC-RAS program handles two cases of orifice flow; the first is when only the upstream side of the bridge is in contact with the water and the second is when the bridge opening is flowing completely full.

For the case when both the upstream and downstream side of the bridge is submerged, and the opening is flowing completely full, the standard full flowing orifice equation is used by the program. For the modeling, a coefficient of discharge (Cd) of 0.80 was used for the existing conditions and entered into the HEC-RAS model.

4.3.8 Standard Step Backwater Analysis

The HEC-RAS model with steady flow simulation under a subcritical flow regime mode was used for the standard step backwater computation of the existing water surface elevations and flood profiles. Input data and the resultant output of the hydraulic modeling for the existing conditions are provided in Appendix I.

The HEC-RAS model input and output elevations, as well as all of the other elevations referenced in this report, are based and referenced upon the North American Vertical Datum of 1988 (NAVD 88).

5.0 SUMMARY & CONCLUSIONS

5.1 Summary of Results

This engineering report presents the results of a preliminary hydrologic and hydraulic watershed floodplain analysis that has been prepared to evaluate the existing conditions, unnamed tributary channel streams upstream of the South Branch Raritan River and Main Street that traverses the Borough of Califon center core. The existing conditions watershed floodplain analysis extends up to and including the Columbia Trail pathway crossing on the downstream end. The submitted analysis is in support of the Borough of Califon Highlands Water Protection and Planning Council grant. This analysis will serve as support for the development of a comprehensive plan for future infrastructure improvement within the Borough of Califon.

5.1.1 Overview of Modeling Results

This analysis consists of a preliminary existing conditions hydrologic analysis of the entire watershed and downstream outlet for the Borough of Califon center core. The flood flow hydrographs and peak runoff flow rates during the 5-, 10-, 25-, 50- and 100-year storm recurrence interval events were determined.

In addition, the analysis consisted of a preliminary existing conditions hydraulic analysis by incorporating the results of the hydrologic analysis peak flow rates. A multiple run profile using the 5-, 10-, 25-, 50- and 100-year storm recurrence interval events was used to assess peak water surface profiles and elevations along the existing, unnamed tributary streams that contribute flows to the South Branch Raritan River and that traverse the Borough of Califon center core.

5.2 Watershed Floodplain Analysis Conclusions

This watershed floodplain hydrologic and hydraulic analysis has provided preliminary results for flood flow hydrographs, peak runoff flow rates and hydraulic water surface profiles and elevations during the 5-, 10-, 25-, 50- and 100-year storm recurrence interval events. The results of this analysis have confirmed that a flooding problem does exist along the existing unnamed steam channel tributaries, which traverse the natural wooded area between Academy Street and Main Street.

This study may serve as a guide in support of the Borough of Califon Stormwater Management Plan, as well as a valuable resource for the Highlands Regional Master Plan. This preliminary existing conditions hydrologic and hydraulic modeling analysis can also form the basis and foundation for the information that is required to develop any future floodplain mapping delineations, and for the design of any proposed future flood risk reduction and flood mitigation and control alternative measures. This analysis could

serve as support for the development of a comprehensive plan for future infrastructure improvement within the Borough of Califon.

Figure 1: Califon Borough Floodplain Study Watershed Boundary Overview Map

Figure 2: Califon Borough Floodplain Study Watershed Boundary Overview Map with Tc Path

Figure 3: Califon Borough Floodplain Study Watershed Boundary Hydrologic Soil Group Map

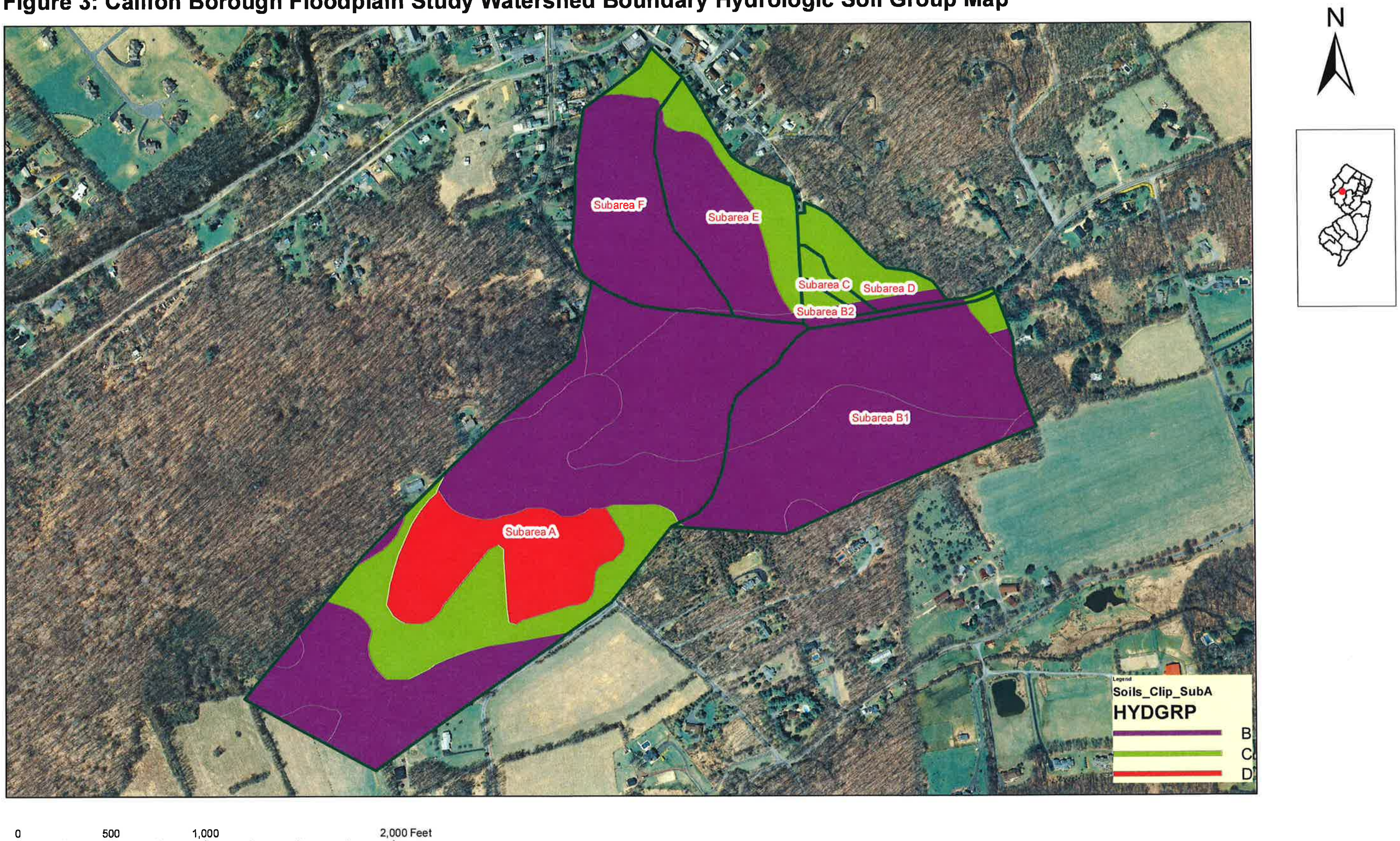


Figure 4: Califon Borough Floodplain Study Watershed Boundary Land Use Type Map

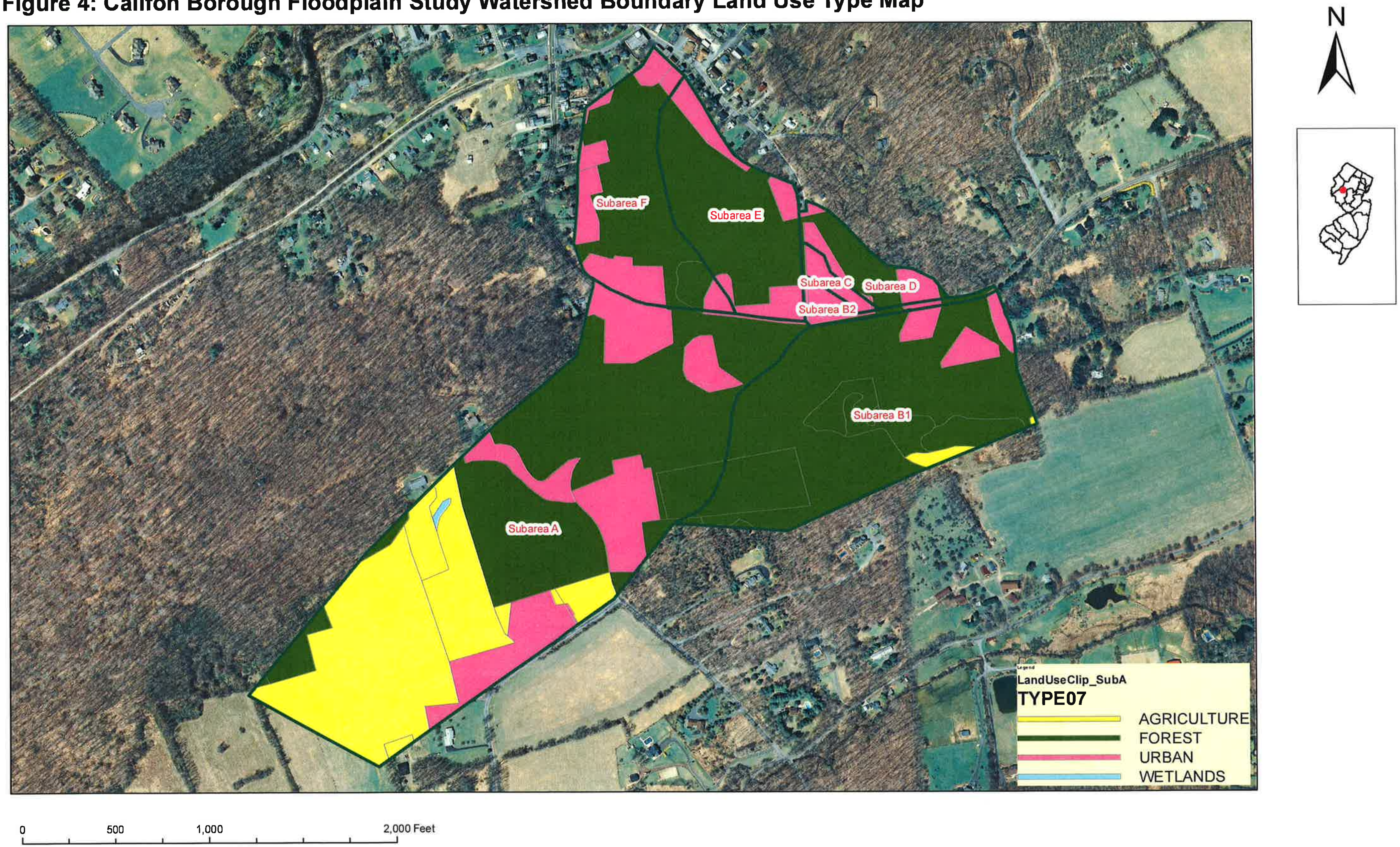


Figure 5: Califon Borough Floodplain Study Tributary and Cross-Section Layout Over Aerial Map

Figure 6: Califon Borough Floodplain Study Tributary and Cross-Section Layout Over DEM Map

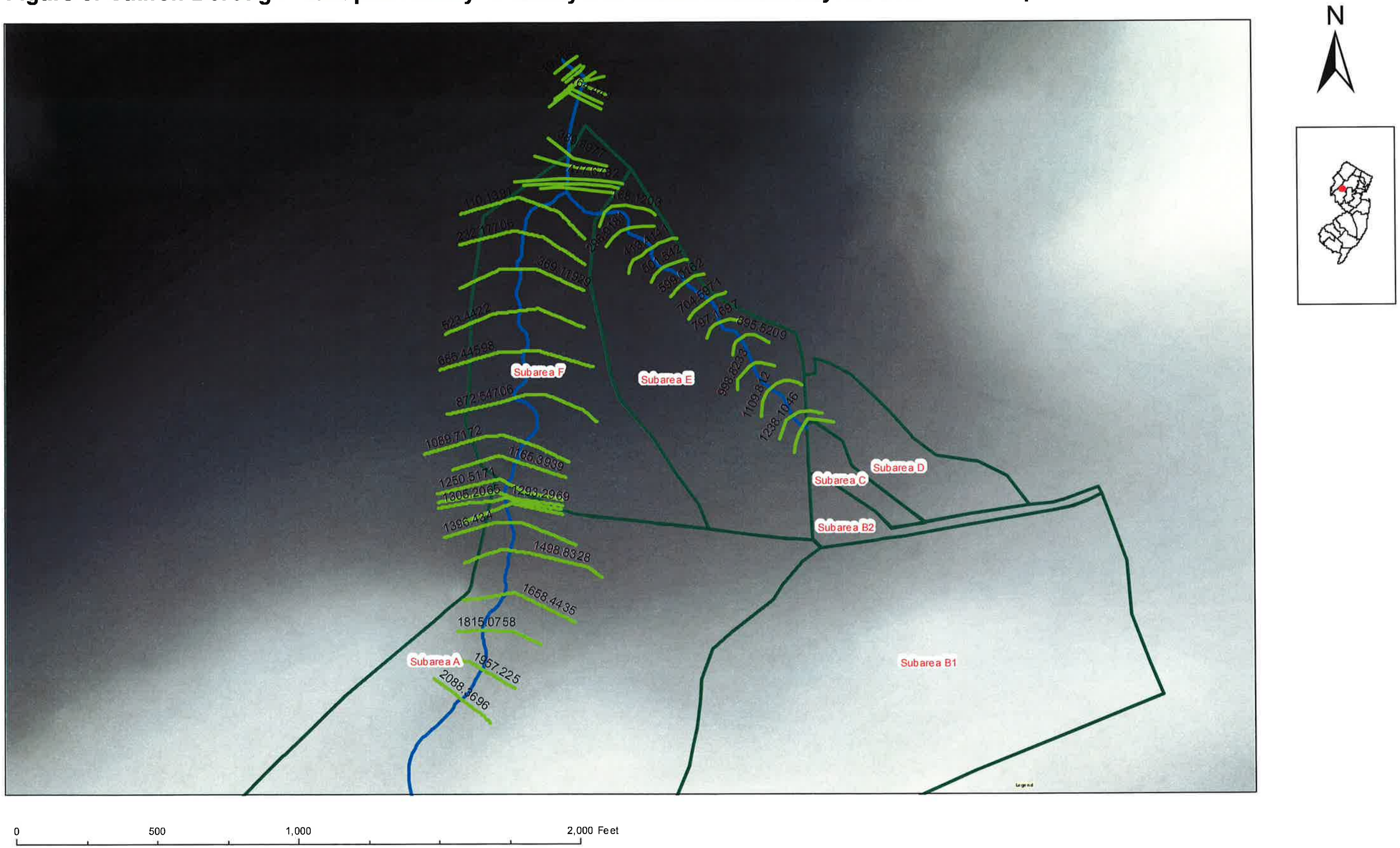
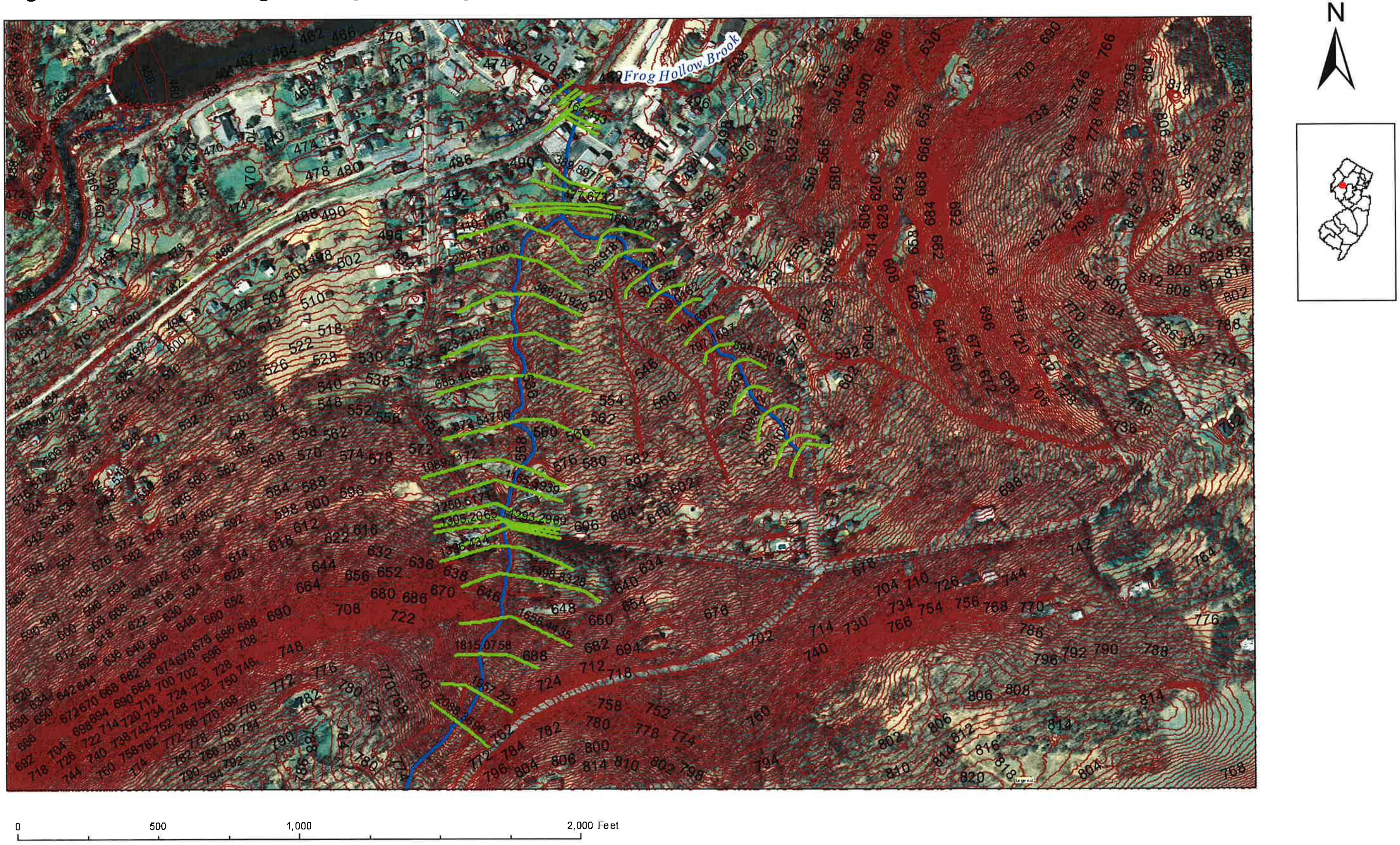


Figure 7: Califon Borough Floodplain Study Tributary and Cross-Section Layout Over Topographic Countours Map



Appendix A

SubArea Runoff Curve Number (CN) Computations

Subarea A Runoff Curve Number Computations

Califon Borough Preliminary Watershed Stream Floodplain Analysis
Preliminary Existing Conditions Hydrologic Hydraulic Modeling
April 2012

LU07	LABEL07	HSG Used	HSG	Shape_Area	Column	CN	Area*CN			
2100	CROPLAND AND PASTURELAND	B	B	139035	3	79	10983727	**CN =**	**77**	
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	169778	3	68	11544920	Area	1867272.54	ft^2
4312	MIXED FOREST (>50% CONIFEROUS WITH >50% CROWN CLOSURE)	B	B	21163	3	60	1269810	Area	42.87	ac
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	24694	3	68	1679195			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	4262	3	68	289817			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	111	3	68	7519.035			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	523	3	68	35594.04			
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	B	B	52265	3	75	3919874			
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	35431	3	60	2125866			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	24938	3	68	1695796			
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	32786	3	60	1967150			
2140	AGRICULTURAL WETLANDS (MODIFIED)	B	B	21621	3	98	2118852			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	13643	3	68	927750.1			
2400	OTHER AGRICULTURE	B	B	2009	3	83	166761			
4420	DECIDUOUS BRUSH/SHRUBLAND	B	B	397	3	56	22230.42			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	45858	3	68	3118344			
2100	CROPLAND AND PASTURELAND	B	B	20769	3	79	1640717			
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	16289	3	60	977313.6			
4110	DECIDUOUS FOREST (10-50% CROWN CLOSURE)	B	B	5261	3	60	315685.2			
2400	OTHER AGRICULTURE	B	B	83454	3	83	6926642			
4110	DECIDUOUS FOREST (10-50% CROWN CLOSURE)	B	B	3674	3	60	220435.7			
2400	OTHER AGRICULTURE	B	B	12513	3	83	1038543			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	1074	3	68	73040.94			
2100	CROPLAND AND PASTURELAND	B	B	7887	3	79	623065.7			
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	4185	3	60	251104.5			
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	5778	3	60	346675.4			
2140	AGRICULTURAL WETLANDS (MODIFIED)	D	D	189	5	98	18523.59			
2400	OTHER AGRICULTURE	D	D	1938	5	90	174408.3			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	D	D	15100	5	84	1268389			
2400	OTHER AGRICULTURE	D	D	175896	5	90	15830657			
2400	OTHER AGRICULTURE	D	D	7843	5	90	705887.3			
2400	OTHER AGRICULTURE	D	D	308	5	90	27708.53			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	D	D	58600	5	84	4922429			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	D	D	41523	5	84	3487904			
2100	CROPLAND AND PASTURELAND	D	D	73872	5	89	6574649			
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	D	D	126475	5	79	9991497			
2400	OTHER AGRICULTURE	D	D	204	5	90	18354.9			
2400	OTHER AGRICULTURE	C	C	1046	4	88	92076.67			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	C	C	58144	4	79	4593414			
2400	OTHER AGRICULTURE	C	C	2658	4	88	233925.4			
2400	OTHER AGRICULTURE	C	C	7027	4	88	618409.5			
2400	OTHER AGRICULTURE	C	C	45106	4	88	3969371			
4420	DECIDUOUS BRUSH/SHRUBLAND	C	C	74135	4	70	5189439			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	C	C	135	4	79	10632.13			
1140	RESIDENTIAL, RURAL, SINGLE UNIT	C	C	3138	4	79	247887.4			
2100	CROPLAND AND PASTURELAND	C	C	38198	4	86	3285041			

Subarea A Runoff Curve Number Computations

Califon Borough Preliminary Watershed Stream Floodplain Analysis

Preliminary Existing Conditions Hydrologic Hydraulic Modeling

April 2012

4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	C	C	7939	4	73	579547.3
4110	DECIDUOUS FOREST (10-50% CROWN CLOSURE)	C	C	378400	4	73	27623174

Subarea B1 Runoff Curve Number Computations

Califon Borough Preliminary Watershed Stream Floodplain Analysis
Preliminary Existing Conditions Hydrologic Hydraulic Modeling
April 2012

LU07	LABEL07	HSG Used	HSG	Shape_Area	Column	CN	Area*CN		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	139035	3	68	9454348	**CN =**	**64**
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	169778	3	60	10186695	Area	743619.58 ft^2
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	21163	3	68	1439118	Area	17.07 ac
4110	DECIDUOUS FOREST (10-50% CROWN CLOSURE)	B	B	24694	3	60	1481642		
1130	RESIDENTIAL, SINGLE UNIT, LOW DENSITY	B	B	4262	3	70	298341.1		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	111	3	60	6634.443		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	523	3	68	35594.04		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	C	C	52265	4	79	4128934		
4110	DECIDUOUS FOREST (10-50% CROWN CLOSURE)	C	C	35431	4	73	2586471		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	C	C	24938	4	73	1820487		
4312	MIXED FOREST (>50% CONIFEROUS WITH >50% CROWN CLOSURE)	B	B	32786	3	60	1967150		
4420	DECIDUOUS BRUSH/SHRUBLAND	B	B	21621	3	56	1210773		
4420	DECIDUOUS BRUSH/SHRUBLAND	B	B	13643	3	56	764029.5		
4110	DECIDUOUS FOREST (10-50% CROWN CLOSURE)	B	B	2009	3	60	120550.1		
2100	CROPLAND AND PASTURELAND	B	B	397	3	79	31360.78		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	45858	3	60	2751480		
4110	DECIDUOUS FOREST (10-50% CROWN CLOSURE)	B	B	20769	3	60	1246114		
4430	CONIFEROUS BRUSH/SHRUBLAND	B	B	16289	3	67	1091334		
4312	MIXED FOREST (>50% CONIFEROUS WITH >50% CROWN CLOSURE)	B	B	5261	3	60	315685.2		
4420	DECIDUOUS BRUSH/SHRUBLAND	B	B	83454	3	56	4673397		
2100	CROPLAND AND PASTURELAND	B	B	3674	3	79	290240.3		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	12513	3	60	750754		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	C	C	1074	4	73	78411.6		
4110	DECIDUOUS FOREST (10-50% CROWN CLOSURE)	C	C	7887	4	73	575744.3		
4430	CONIFEROUS BRUSH/SHRUBLAND	C	C	4185	4	77	322250.7		

Subarea B2 Runoff Curve Number Computations

Califon Borough Preliminary Watershed Stream Floodplain Analysis
Preliminary Existing Conditions Hydrologic Hydraulic Modeling
April 2012

LU07	LABEL07	HSG Used	HSG	Shape_Area	Column	CN	Area*CN		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	139035	3	68	9454348	**CN =**	**71**
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	169778	3	68	11544920	Area	504986.44 ft^2
1130	RESIDENTIAL, SINGLE UNIT, LOW DENSITY	B	B	21163	3	70	1481445	Area	11.59 ac
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	B	B	24694	3	75	1852053		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	4262	3	60	255720.9		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	C	C	111	4	79	8735.35		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	C	C	523	4	79	41351.9		
4110	DECIDUOUS FOREST (10-50% CROWN CLOSURE)	C	C	52265	4	73	3815344		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	C	C	35431	4	83	2940782		
1130	RESIDENTIAL, SINGLE UNIT, LOW DENSITY	C	C	24938	4	80	1995054		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	C	C	32786	4	73	2393366		

Subarea C Runoff Curve Number Computations
Califon Borough Preliminary Watershed Stream Floodplain Analysis
Preliminary Existing Conditions Hydrologic Hydraulic Modeling
April 2012

LU07	LABEL07	HSG Used	HSG	Shape_Area	Column	CN	Area*CN		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	696.4	3	68	47353.31	**CN =**	**77**
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	6727.6	3	68	457476.3	Area	47459.85 ft^2
1140	RESIDENTIAL, RURAL, SINGLE UNIT	C	C	13298.5	4	79	1050578	Area	1.09 ac
1130	RESIDENTIAL, SINGLE UNIT, LOW DENSITY	C	C	22279.5	4	80	1782359		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	388.9	3	60	23334.96		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	C	C	4069.0	4	73	297038.6		

Subarea D Runoff Curve Number Computations
Califon Borough Preliminary Watershed Stream Floodplain Analysis
Preliminary Existing Conditions Hydrologic Hydraulic Modeling
April 2012

LU07	LABEL07	HSG Used	HSG	Shape_Area	Column	CN	Area*CN		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	139035	3	68	9454348	**CN =**	**71**
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	169778	3	68	11544920	Area	472200.60 ft^2
1130	RESIDENTIAL, SINGLE UNIT, LOW DENSITY	B	B	21163	3	70	1481445	Area	10.84 ac
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	24694	3	60	1481642		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	C	C	4262	4	79	336699.2		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	C	C	111	4	79	8735.35		
1130	RESIDENTIAL, SINGLE UNIT, LOW DENSITY	C	C	523	4	80	41875.34		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	C	C	52265	4	83	4337994		
1130	RESIDENTIAL, SINGLE UNIT, LOW DENSITY	C	C	35431	4	80	2834489		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	C	C	24938	4	73	1820487		

Subarea E Runoff Curve Number Computations

Califon Borough Preliminary Watershed Stream Floodplain Analysis
Preliminary Existing Conditions Hydrologic Hydraulic Modeling
April 2012

LU07	LABEL07	HSG Used	HSG	Shape_Area	Column	CN	Area*CN		
4312	MIXED FOREST (>50% CONIFEROUS WITH >50% CROWN CLOSURE)	B	B	139035	3	60	8342071	**CN =**	**68**
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	169778	3	68	11544920	Area	504986.44 ft^2
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	21163	3	68	1439118	Area	11.59 ac
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	C	C	24694	4	83	2049605		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	B	B	4262	3	75	319651.2		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	C	C	111	4	83	9177.646		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	B	B	523	3	75	39258.13		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	C	C	52265	4	83	4337994		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	B	B	35431	3	75	2657333		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	C	C	24938	4	73	1820487		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	32786	3	60	1967150		

Subarea F Runoff Curve Number Computations

Califon Borough Preliminary Watershed Stream Floodplain Analysis
Preliminary Existing Conditions Hydrologic Hydraulic Modeling
April 2012

LU07	LABEL07	HSG Used	HSG	Shape_Area	Column	CN	Area*CN		
4312	MIXED FOREST (>50% CONIFEROUS WITH >50% CROWN CLOSURE)	B	B	139035	3	60	8342071	**CN =**	**66**
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	169778	3	68	11544920	Area	542259.93 ft^2
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	B	B	21163	3	75	1587262	Area	12.45 ac
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	24694	3	60	1481642		
1200	COMMERCIAL/SERVICES	C	C	4262	4	94	400629.4		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	C	C	111	4	83	9177.646		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	C	C	523	4	83	43445.66		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	C	C	52265	4	73	3815344		
4312	MIXED FOREST (>50% CONIFEROUS WITH >50% CROWN CLOSURE)	B	B	35431	3	60	2125866		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	24938	3	68	1695796		
1140	RESIDENTIAL, RURAL, SINGLE UNIT	B	B	32786	3	68	2229437		
1130	RESIDENTIAL, SINGLE UNIT, LOW DENSITY	B	B	21621	3	70	1513466		
1120	RESIDENTIAL, SINGLE UNIT, MEDIUM DENSITY	B	B	13643	3	75	1023254		
4120	DECIDUOUS FOREST (>50% CROWN CLOSURE)	B	B	2009	3	60	120550.1		

Appendix B

SubArea Time of Concentration (Tc) Computations

Subarea A TIME OF CONCENTRATION COMPUTATION
Califon Borough Preliminary Watershed Stream Floodplain Analysis Report
Preliminary Existing Conditions Hydrologic Hydraulic Modeling

Time of Concentration Calculation

Project: Califon Bororough H&H
County: Hunterdon
Subtitle: Subarea A

State: NJ

By: JR
Checked: CVS

Date: 4/10/2012
Date: 4/20/2012

FLOW TYPE	UNITS	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	TOTAL
SHEET FLOW									
		AB							
1. Surface Description		Woods - Light Underbrush							
2. Manning's roughness coeff., n (table 3.1)		0.4							
3. Flow length, L (total L < 100 ft)	ft	100							
4. Two-yr 24-hr rainfall, P_2	in	3.4							
5. Land slope, S	ft/ft	0.01							
6. $T_t=[(0.007)(nL)^{0.8}]/[(P_2^{0.5})*(S^{0.4})]$	hr	0.458							0.46
SHALLOW CONCENTRATED FLOW									
		BC	CD	EF					
7. Surface Description (paved or unpaved -- U or P)		U	U	U					
8. Flow length, L	ft	890	540	650					
9. Watercourse slope, S	ft/ft	0.03	0.04	0.03					
10. Average Velocity, V (figure 3-1)	ft/s	2.9	3.1	3.0					
11. T_t=L/3600*V	hr	0.086	0.048	0.061					0.20
CHANNEL FLOW									
		FG							
12. Cross sectional flow area, A	ft^2	25							
13. Wetted perimeter, P_w	ft	50							
14. Hydraulic radius, $R=A/P_w$	ft	0.50							
15. Channel slope, S	ft/ft	0.123							
16. Manning's roughness coeff., n		0.04							
17. $V=[1.49*R^{2/3}*S^{1/2}]/n$	ft/s	8.24							
18. Flow length, L	ft	1720							
19. T_t=L/3600*V	hr	0.058							0.06
20. Watershed or subarea T_c or T_t (add T_t in steps 6, 11, and 19)	hr								0.71 hr
21. Watershed or subarea Lag Time	hr								**0.43 hr**

Note: Attach flow path figure showing segments, lengths and elevations

Reference: Worksheet 3: Time of Concentration (T_c) or Travel Time (T_t) from TR55 program manual second edition June 1986

Subarea B1 TIME OF CONCENTRATION COMPUTATION
Califon Borough Preliminary Watershed Stream Floodplain Analysis Report
Preliminary Existing Conditions Hydrologic Hydraulic Modeling

Time of Concentration Calculation

Project: Califon Bororough H&H
County: Hunterdon
Subtitle: Subarea B1

State: NJ

By: JR
Checked: CVS

Date: 4/10/2012
Date: 4/20/2012

FLOW TYPE	UNITS	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	TOTAL
SHEET FLOW									
		AB							
1. Surface Description		Woods - Light Underbrush							
2. Manning's roughness coeff., n (table 3.1)		0.4							
3. Flow length, L (total L < 100 ft)	ft	100							
4. Two-yr 24-hr rainfall, P_2	in	3.4							
5. Land slope, S	ft/ft	0.002							
6. $T_t=[(0.007)(nL)^{0.8}]/[(P_2^{0.5})*(S^{0.4})]$	hr	0.872							0.87
SHALLOW CONCENTRATED FLOW									
		BC	CD	DE					
7. Surface Description (paved or unpaved -- U or P)		U	U	U					
8. Flow length, L	ft	410	290	520					
9. Watercourse slope, S	ft/ft	0.15	0.14	0.13					
10. Average Velocity, V (figure 3-1)	ft/s	6.3	6.1	5.9					
11. T_t=L/3600*V	hr	0.018	0.013	0.025					0.06
CHANNEL FLOW									
		FG							
12. Cross sectional flow area, A	ft^2	0							
13. Wetted perimeter, P_w	ft	0							
14. Hydraulic radius, $R=A/P_w$	ft	0.00							
15. Channel slope, S	ft/ft	0.000							
16. Manning's roughness coeff., n		0							
17. $V=[1.49*R^{2/3}*S^{1/2}]/n$	ft/s	0.00							
18. Flow length, L	ft	0							
19. T_t=L/3600*V	hr	0.000							0.00
20. Watershed or subarea T_c or T_t (add T_t in steps 6, 11, and 19)	hr								0.93 hr
21. Watershed or subarea Lag Time	hr								**0.56 hr**

Note: Attach flow path figure showing segments, lengths and elevations

Reference: Worksheet 3: Time of Concentration (T_c) or Travel Time (T_t) from TR55 program manual second edition June 1986

Subarea B2 TIME OF CONCENTRATION COMPUTATION
Califon Borough Preliminary Watershed Stream Floodplain Analysis Report
Preliminary Existing Conditions Hydrologic Hydraulic Modeling

Time of Concentration Calculation

Project: Califon Bororough H&H
County: Hunterdon
Subtitle: Subarea B2

State: NJ

By: JR
Checked: CVS

Date: 4/10/2012
Date: 4/20/2012

FLOW TYPE	UNITS	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	TOTAL
SHEET FLOW									
		AB							
1. Surface Description		Smooth Surface - Asphalt							
2. Manning's roughness coeff., n (table 3.1)		0.011							
3. Flow length, L (total L < 100 ft)	ft	100							
4. Two-yr 24-hr rainfall, P_2	in	3.4							
5. Land slope, S	ft/ft	0.03							
6. $T_t=[(0.007)(nL)^{0.8}]/[(P_2^{0.5})*(S^{0.4})]$	hr	0.017							0.02
SHALLOW CONCENTRATED FLOW									
		BC	CD						
7. Surface Description (paved or unpaved -- U or P)		U	U						
8. Flow length, L	ft	640	410						
9. Watercourse slope, S	ft/ft	0.08	0.12						
10. Average Velocity, V (figure 3-1)	ft/s	4.6	5.7						
11. T_t=L/3600*V	hr	0.039	0.020						0.06
CHANNEL FLOW									
		FG							
12. Cross sectional flow area, A	ft^2	0							
13. Wetted perimeter, P_w	ft	0							
14. Hydraulic radius, $R=A/P_w$	ft	0.00							
15. Channel slope, S	ft/ft	0.000							
16. Manning's roughness coeff., n		0							
17. $V=[1.49*R^{2/3}*S^{1/2}]/n$	ft/s	0.00							
18. Flow length, L	ft	0							
19. T_t=L/3600*V	hr	0.000							0.00
20. Watershed or subarea T_c or T_t (add T_t in steps 6, 11, and 19)	hr								0.08 hr
21. Watershed or subarea Lag Time	hr								**0.05 hr**

Note: Attach flow path figure showing segments, lengths and elevations

Reference: Worksheet 3: Time of Concentration (T_c) or Travel Time (T_t) from TR55 program manual second edition June 1986

Subarea C TIME OF CONCENTRATION COMPUTATION
Califon Borough Preliminary Watershed Stream Floodplain Analysis Report
Preliminary Existing Conditions Hydrologic Hydraulic Modeling

Time of Concentration Calculation

Project: Califon Bororough H&H
County: Hunterdon
Subtitle: Subarea B2

State: NJ

By: JR
Checked: CVS

Date: 4/10/2012
Date: 4/20/2012

FLOW TYPE	UNITS	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	TOTAL
SHEET FLOW									
		AB	BC						
1. Surface Description		Woods - Light Underbru	Short Grass						
2. Manning's roughness coeff., n (table 3.1)		0.4	0.15						
3. Flow length, L (total L < 100 ft)	ft	35	65						
4. Two-yr 24-hr rainfall, P_2	in	3.4	3.4						
5. Land slope, S	ft/ft	0.14	0.15						
6. $T_t=[(0.007)(nL)^{0.8}]/[(P_2^{0.5})*(S^{0.4})]$	hr	0.068	0.050						0.12
SHALLOW CONCENTRATED FLOW									
		CD	DE						
7. Surface Description (paved or unpaved -- U or P)		U	U						
8. Flow length, L	ft	260	250						
9. Watercourse slope, S	ft/ft	0.13	0.14						
10. Average Velocity, V (figure 3-1)	ft/s	5.8	6.0						
11. T_t=L/3600*V	hr	0.012	0.012						0.02
CHANNEL FLOW									
		FG							
12. Cross sectional flow area, A	ft^2	0							
13. Wetted perimeter, P_w	ft	0							
14. Hydraulic radius, $R=A/P_w$	ft	0.00							
15. Channel slope, S	ft/ft	0.000							
16. Manning's roughness coeff., n		0							
17. $V=[1.49*R^{2/3}*S^{1/2}]/n$	ft/s	0.00							
18. Flow length, L	ft	0							
19. T_t=L/3600*V	hr	0.000							0.00
20. Watershed or subarea T_c or T_t (add T_t in steps 6, 11, and 19)	hr								0.14 hr
21. Watershed or subarea Lag Time	hr								**0.09 hr**

Note: Attach flow path figure showing segments, lengths and elevations

Reference: Worksheet 3: Time of Concentration (T_c) or Travel Time (T_t) from TR55 program manual second edition June 1986

Subarea D TIME OF CONCENTRATION COMPUTATION
Califon Borough Preliminary Watershed Stream Floodplain Analysis Report
Preliminary Existing Conditions Hydrologic Hydraulic Modeling

Time of Concentration Calculation

Project: Califon Bororough H&H
County: Hunterdon
Subtitle: Subarea D

State: NJ

By: JR
Checked: CVS

Date: 4/10/2012
Date: 4/20/2012

FLOW TYPE	UNITS	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	TOTAL
SHEET FLOW									
		AB							
1. Surface Description		Woods - Light Underbrush							
2. Manning's roughness coeff., n (table 3.1)		0.4							
3. Flow length, L (total L < 100 ft)	ft	100							
4. Two-yr 24-hr rainfall, P_2	in	3.4							
5. Land slope, S	ft/ft	0.06							
6. $T_t=[(0.007)(nL)^{0.8}]/[(P_2^{0.5})*(S^{0.4})]$	hr	0.224							0.22
SHALLOW CONCENTRATED FLOW									
		BC							
7. Surface Description (paved or unpaved -- U or P)		U							
8. Flow length, L	ft	650							
9. Watercourse slope, S	ft/ft	0.12							
10. Average Velocity, V (figure 3-1)	ft/s	5.7							
11. T_t=L/3600*V	hr	0.032							0.03
CHANNEL FLOW									
		CD							
12. Cross sectional flow area, A	ft^2	25							
13. Wetted perimeter, P_w	ft	50							
14. Hydraulic radius, $R=A/P_w$	ft	0.50							
15. Channel slope, S	ft/ft	0.108							
16. Manning's roughness coeff., n		0.04							
17. $V=[1.49*R^{2/3}*S^{1/2}]/n$	ft/s	7.72							
18. Flow length, L	ft	370							
19. T_t=L/3600*V	hr	0.013							0.01
20. Watershed or subarea T_c or T_t (add T_t in steps 6, 11, and 19)	hr								0.27 hr
21. Watershed or subarea Lag Time	hr								**0.16 hr**

Note: Attach flow path figure showing segments, lengths and elevations

Reference: Worksheet 3: Time of Concentration (T_c) or Travel Time (T_t) from TR55 program manual second edition June 1986

Subarea E TIME OF CONCENTRATION COMPUTATION
Califon Borough Preliminary Watershed Stream Floodplain Analysis Report
Preliminary Existing Conditions Hydrologic Hydraulic Modeling

Time of Concentration Calculation

Project: Califon Bororough H&H
County: Hunterdon
Subtitle: Subarea E

State: NJ

By: JR
Checked: CVS

Date: 4/10/2012
Date: 4/20/2012

FLOW TYPE	UNITS	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	TOTAL
SHEET FLOW									
		AB							
1. Surface Description		Woods - Light Underbrush							
2. Manning's roughness coeff., n (table 3.1)		0.4							
3. Flow length, L (total L < 100 ft)	ft	100							
4. Two-yr 24-hr rainfall, P_2	in	3.4							
5. Land slope, S	ft/ft	0.09							
6. $T_t=[(0.007)(nL)^{0.8}]/[(P_2^{0.5})*(S^{0.4})]$	hr	0.190							0.19
SHALLOW CONCENTRATED FLOW									
		BC							
7. Surface Description (paved or unpaved – U or P)		U							
8. Flow length, L	ft	240							
9. Watercourse slope, S	ft/ft	0.14							
10. Average Velocity, V (figure 3-1)	ft/s	6.0							
11. T_t=L/3600*V	hr	0.011							0.01
CHANNEL FLOW									
		CD	DE						
12. Cross sectional flow area, A	ft^2	25	25						
13. Wetted perimeter, P_w	ft	50	50						
14. Hydraulic radius, $R=A/P_w$	ft	0.50	0.50						
15. Channel slope, S	ft/ft	0.081	0.031						
16. Manning's roughness coeff., n		0.04	0.035						
17. $V=[1.49*R^{2/3}*S^{1/2}]/n$	ft/s	6.67	4.74						
18. Flow length, L	ft	1140	160						
19. T_t=L/3600*V	hr	0.048	0.009						0.06
20. Watershed or subarea T_c or T_t (add T_t in steps 6, 11, and 19)	hr								0.26 hr
21. Watershed or subarea Lag Time	hr								**0.15 hr**

Note: Attach flow path figure showing segments, lengths and elevations

Reference: Worksheet 3: Time of Concentration (T_c) or Travel Time (T_t) from TR55 program manual second edition June 1986

Subarea F TIME OF CONCENTRATION COMPUTATION
Califon Borough Preliminary Watershed Stream Floodplain Analysis Report
Preliminary Existing Conditions Hydrologic Hydraulic Modeling

Time of Concentration Calculation

Project: Califon Bororough H&H
County: Hunterdon
Subtitle: Subarea F

State: NJ

By: JR
Checked: CVS

Date: 4/10/2012
Date: 4/20/2012

FLOW TYPE	UNITS	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	TOTAL
SHEET FLOW									
		AB							
1. Surface Description		Woods – Light Underbrush							
2. Manning's roughness coeff., n (table 3.1)		0.4							
3. Flow length, L (total L < 100 ft)	ft	100							
4. Two-yr 24-hr rainfall, P_2	in	3.4							
5. Land slope, S	ft/ft	0.04							
6. $T_t=[(0.007)(nL)^{0.8}]/[(P_2^{0.5})*(S^{0.4})]$	hr	0.263							0.26
SHALLOW CONCENTRATED FLOW									
		BC							
7. Surface Description (paved or unpaved – U or P)		U							
8. Flow length, L	ft	780							
9. Watercourse slope, S	ft/ft	0.09							
10. Average Velocity, V (figure 3-1)	ft/s	4.8							
11. T_t=L/3600*V	hr	0.045							0.05
CHANNEL FLOW									
		CD	DE						
12. Cross sectional flow area, A	ft^2	25	6						
13. Wetted perimeter, P_w	ft	50	8						
14. Hydraulic radius, $R=A/P_w$	ft	0.50	0.75						
15. Channel slope, S	ft/ft	0.057	0.013						
16. Manning's roughness coeff., n		0.04	0.04						
17. $V=[1.49*R^{2/3}*S^{1/2}]/n$	ft/s	5.58	3.55						
18. Flow length, L	ft	1130	150						
19. T_t=L/3600*V	hr	0.056	0.012						0.07
20. Watershed or subarea T_c or T_t (add T_t in steps 6, 11, and 19)	hr								0.38 hr
21. Watershed or subarea Lag Time	hr								**0.23 hr**

Note: Attach flow path figure showing segments, lengths and elevations

Reference: Worksheet 3: Time of Concentration (T_c) or Travel Time (T_t) from TR55 program manual second edition June 1986

Appendix C

HEC-1 Model Output
5-, 10-, 25-, 50- & 100-year Events

```
1*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*             JUN  1998                 *
*           VERSION 4.1                 *
*                                       *
*  RUN DATE  21MAY12  TIME  23:20:31    *
*                                       *
*****************************************

*****************************************
*                                       *
*   U.S. ARMY CORPS OF ENGINEERS        *
*   HYDROLOGIC ENGINEERING CENTER       *
*        609 SECOND STREET              *
*     DAVIS, CALIFORNIA 95616           *
*         (916) 756-1104                *
*                                       *
*****************************************


          X     X  XXXXXXX   XXXXX           X
          X     X  X        X     X         XX
          X     X  X        X                X
          XXXXXXX  XXXX     X        XXXXX   X
          X     X  X        X                X
          X     X  X        X     X          X
          X     X  XXXXXXX   XXXXX          XXX


THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL   LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

1                                 HEC-1 INPUT                                   PAGE  1

      LINE       ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

        1        ID    ******************************************************************************
        2        ID
        3        ID
        4        ID         PRELIMINARY
        5        ID         EXISTING CONDITIONS
        6        ID         CALIFON BOROUGH WATERSHED STREAM FLOODPLAIN ANALYSIS
        7        ID         HYDROLOGIC, HYDRAULIC & FLOODPLAIN ANALYSIS
        8        ID         CALIFON BOROUGH, HUNTERDON COUNTY
        9        ID         NEW JERSEY
       10        ID
       11        ID
       12        ID         CALIFON BOROUGH WATERSHED
       13        ID         5-, 10-, 25-, 50- & 100-YEAR STORM RECURRENCE INTERVAL EVENTS
       14        ID         HYDROLOGIC & HYDRAULIC ANALYSIS
       15        ID
       16        ID
       17        ID         PREPARED FOR:
       18        ID         KELLER & KIRKPATRICK
       19        ID         301 GIBRALTAR DRIVE, SUITE 2A
       20        ID         MORRIS PLAINS, NJ 07950
       21        ID
       22        ID
       23        ID         PREPARED BY:
       24        ID         C.V. ASSOCIATES NY; PE, LS, P.C.
       25        ID         148 ROUTE 17M, SUITE 2
       26        ID         HARRIMAN, NY 10926
       27        ID         (845) 774-1075 PHONE
       28        ID         (845) 774-8139 FAX
       29        ID         CVANY@CVASSOCIATESNY.COM
       30        ID         WWW.CVASSOCIATESNY.COM
       31        ID
       32        ID
       33        ID         USE NRCS METHODOLOGY
       34        ID
       35        ID         FILENAME: CALIFONHYDROLOGY.DAT
       36        ID
       37        ID
       38        ID         APRIL 2012
       39        ID
       40        ID
       41        ID    ******************************************************************************
       42        ID
       43        IT      6       0       0     241
       44        IO      5       0       0
*** FIX ***
                 *DIAGRAM
                 *   NJ 24-HOUR RAINFALL AMOUNTS
                 *   FOR 5-, 10-, 25-, 50- & 100-YEAR EVENT
                 *   4.3 INCHES, 5.0 INCHES, 6.1 INCHES, 7.0 INCHES, 8.0 INCHES
       45        JR    PREC  0.5375  0.6250  0.7625  0.8750   1.000
       46        JP      1
1                                 HEC-1 INPUT                                   PAGE  2

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       47        KK  SUB B1      SUBAREA B1 WATERSHED AREA
       48        KM      COMPUTE INFLOW HYDROGRAPH FOR 5-, 10-, 25-, 50- & 100-YEAR, 24-HOUR EVENT
                 *     5-, 10-, 25-, 50- & 100-YEAR PRECIPITATION DEPTH FOR HUNTERDON COUNTY, NJ
       49        KO      2       2
       50        PB    8.00
       51        IN      6
                 *   SCS TYPE III RAINFALL DISTRIBUTION
       52        PC  0.000   0.001   0.002   0.003   0.004   0.005   0.006   0.007   0.008   0.009
       53        PC  0.010   0.011   0.012   0.013   0.014   0.015   0.016   0.017   0.018   0.019
       54        PC  0.020   0.021   0.022   0.023   0.024   0.026   0.027   0.028   0.029   0.030
       55        PC  0.031   0.032   0.034   0.035   0.036   0.037   0.038   0.040   0.041   0.042
       56        PC  0.043   0.045   0.046   0.047   0.049   0.050   0.051   0.053   0.054   0.055
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 57    PC   0.057   0.058   0.060   0.061   0.063   0.064   0.066   0.067   0.069   0.070
 58    PC   0.072   0.074   0.075   0.077   0.079   0.080   0.082   0.084   0.085   0.087
 59    PC   0.089   0.091   0.093   0.095   0.097   0.100   0.103   0.106   0.109   0.112
 60    PC   0.115   0.118   0.121   0.124   0.127   0.130   0.134   0.137   0.140   0.144
 61    PC   0.148   0.151   0.155   0.159   0.163   0.167   0.171   0.176   0.180   0.185
 62    PC   0.189   0.194   0.199   0.205   0.210   0.216   0.222   0.228   0.235   0.242
 63    PC   0.250   0.258   0.266   0.276   0.287   0.298   0.312   0.328   0.363   0.416
 64    PC   0.500   0.584   0.638   0.673   0.689   0.702   0.714   0.725   0.734   0.743
 65    PC   0.751   0.758   0.766   0.772   0.779   0.785   0.790   0.796   0.801   0.806
 66    PC   0.811   0.816   0.821   0.825   0.829   0.834   0.838   0.842   0.845   0.849
 67    PC   0.853   0.857   0.860   0.864   0.867   0.870   0.874   0.877   0.880   0.883
 68    PC   0.886   0.889   0.892   0.895   0.898   0.900   0.903   0.906   0.908   0.910
 69    PC   0.911   0.913   0.915   0.917   0.919   0.920   0.922   0.924   0.925   0.927
 70    PC   0.929   0.930   0.932   0.933   0.935   0.936   0.938   0.939   0.941   0.942
 71    PC   0.944   0.945   0.946   0.948   0.949   0.951   0.952   0.953   0.955   0.956
 72    PC   0.957   0.958   0.960   0.961   0.962   0.963   0.965   0.966   0.967   0.968
 73    PC   0.969   0.971   0.972   0.973   0.974   0.975   0.976   0.977   0.978   0.979
 74    PC   0.981   0.982   0.983   0.984   0.985   0.986   0.987   0.988   0.989   0.990
 75    PC   0.991   0.992   0.993   0.994   0.995   0.996   0.997   0.998  0.9985   0.999
 76    PC   1.000
 77    BA  0.0502
 78    LS       0      64
 79    UD    0.56

 80    KK  SUB B2      SUBAREA B2 WATERSHED AREA
 81    KM       COMPUTE INFLOW HYDROGRAPH FOR 5-, 10-, 25-, 50- & 100-YEAR, 24-HOUR EVENT
 82    KO       2       2
 83    BA  0.0027
 84    LS       0      71
 85    UD    0.05

 86    KK    COMB1    COMBINE FLOWS FROM SUB B1 & SUB B2
 87    KM             HYDROGRAPH COMBINATION OPERATION
 88    KO       2       2
 89    HC       2

 90    KK    SUB C     SUBAREA C WATERSHED AREA
 91    KM       COMPUTE INFLOW HYDROGRAPH FOR 5-, 10-, 25-, 50- & 100-YEAR, 24-HOUR EVENT
 92    KO       2       2
 93    BA  0.0017
 94    LS       0      77
 95    UD    0.09
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1 HEC-1 INPUT

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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 96    KK    SUB D     SUBAREA D WATERSHED AREA
 97    KM       COMPUTE INFLOW HYDROGRAPH FOR 5-, 10-, 25-, 50- & 100-YEAR, 24-HOUR EVENT
 98    KO       2       2
 99    BA  0.0063
100    LS       0      71
101    UD    0.16

102    KK    COMB2    COMBINE FLOWS FROM COMB1, SUB C & SUB D
103    KM             HYDROGRAPH COMBINATION OPERATION
104    KO       2       2
105    HC       3

106    KK    C2TOE
107    KM    HYDROGRAPH LAG FROM FROM COMB2 TO OUTLET SUB E
108    KO       2       2
109    RT       0       0       2

110    KK    SUB E     SUBAREA E WATERSHED AREA
111    KM       COMPUTE INFLOW HYDROGRAPH FOR 5-, 10-, 25-, 50- & 100-YEAR, 24-HOUR EVENT
112    KO       2       2
113    BA  0.0211
114    LS       0      68
115    UD    0.15

116    KK    COMB3    COMBINE FLOWS FROM COMB2 & SUB E
117    KM             HYDROGRAPH COMBINATION OPERATION
118    KO       2       2
119    HC       2

120    KK     Div
121    DT  DIVERS
       *     MODEL DIVERSION SPLIT-OFF FROM SUB E TO FROG HOLLOW BROOK
122    DI       0       5      10      15      20      25      30      35      40      45
123    DI      50      55      60      65      70      75      80      85      90      95
124    DQ       0       5      10      15      20      25      30      35      40      45
125    DQ      50      60      60      60      60      60      60      60      60      60

126    KK    SUB A     SUBAREA A WATERSHED AREA
127    KM       COMPUTE INFLOW HYDROGRAPH FOR 5-, 10-, 25-, 50- & 100-YEAR, 24-HOUR EVENT
128    KO       2       2
129    BA  0.1097
130    LS       0      77
131    UD    0.43

132    KK  A TO F
133    KM    HYDROGRAPH LAG FROM FROM SUB A TO OUTLET SUB F
134    KO       2       2
135    RT       0       0       3
```

1 HEC-1 INPUT

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LINE           ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

136    KK    SUB F     SUBAREA F WATERSHED AREA
137    KM       COMPUTE INFLOW HYDROGRAPH FOR 5-, 10-, 25-, 50- & 100-YEAR, 24-HOUR EVENT
138    KO       2       2
139    BA  0.0228
140    LS       0      66
141    UD    0.26
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          142          KK    COMB4   COMBINE FLOWS FROM SUB A & SUB F
          143          KM            HYDROGRAPH COMBINATION OPERATION
          144          KO        2        2
          145          HC        2

          146          KK    COMB5   COMBINE FLOWS FROM COMB3 & COMB4
          147          KM            HYDROGRAPH COMBINATION OPERATION
          148          KO        2        2
          149          HC        2
                       * HEC-1 MODEL END
          150          ZZ
1
                SCHEMATIC DIAGRAM OF STREAM NETWORK
 INPUT
  LINE        (V) ROUTING          (--->) DIVERSION OR PUMP FLOW

  NO.         (.) CONNECTOR        (<---) RETURN OF DIVERTED OR PUMPED FLOW

   47         SUB B1
                   .
   80              .     SUB B2
                   .          .
   86          COMB1...........
                   .
   90              .      SUB C
                   .          .
   96              .          .        SUB D
                   .          .            .
  102          COMB2.......................
                   V
                   V
  106          C2TOE
                   .
  110              .      SUB E
                   .          .
  116          COMB3...........
                   .
  121              .------->  DIVERS
  120            DIV
                   .
  126              .      SUB A
                   .          V
                   .          V
  132              .     A TO F
                   .          .
  136              .          .        SUB F
                   .          .            .
  142              .      COMB4............
                   .          .
  146          COMB5...........

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION
1*****************************************
 *                                       *
 *   FLOOD HYDROGRAPH PACKAGE   (HEC-1)  *
 *              JUN   1998               *
 *            VERSION 4.1                *
 *                                       *
 * RUN DATE   21MAY12  TIME  23:20:31    *
 *                                       *
 *****************************************

*****************************************
*                                       *
*   U.S. ARMY CORPS OF ENGINEERS        *
*   HYDROLOGIC ENGINEERING CENTER       *
*         609 SECOND STREET             *
*      DAVIS, CALIFORNIA 95616          *
*          (916) 756-1104               *
*                                       *
*****************************************


             ******************************************************************************

                  PRELIMINARY
                  EXISTING CONDITIONS
                  CALIFON BOROUGH WATERSHED STREAM FLOODPLAIN ANALYSIS
                  HYDROLOGIC, HYDRAULIC & FLOODPLAIN ANALYSIS
                  CALIFON BOROUGH, HUNTERDON COUNTY
                  NEW JERSEY

                  CALIFON BOROUGH WATERSHED
                  5-, 10-, 25-, 50- & 100-YEAR STORM RECURRENCE INTERVAL EVENTS
                  HYDROLOGIC & HYDRAULIC ANALYSIS

                  PREPARED FOR:
                  KELLER & KIRKPATRICK
                  301 GIBRALTAR DRIVE, SUITE 2A
                  MORRIS PLAINS, NJ 07950

                  PREPARED BY:
                  C.V. ASSOCIATES NY; PE, LS, P.C.
                  148 ROUTE 17M, SUITE 2
                  HARRIMAN, NY 10926
                  (845) 774-1075 PHONE
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                     (845) 774-8139 FAX
                     CVANY@CVASSOCIATESNY.COM
                     WWW.CVASSOCIATESNY.COM

                     USE NRCS METHODOLOGY

                     FILENAME: CALIFONHYDROLOGY.DAT

                     APRIL 2012

                  ********************************************************************************

  44 IO        OUTPUT CONTROL VARIABLES
                    IPRNT          5  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL          0.  HYDROGRAPH PLOT SCALE

     IT        HYDROGRAPH TIME DATA
                     NMIN          6  MINUTES IN COMPUTATION INTERVAL
                    IDATE      1   0  STARTING DATE
                    ITIME       0000  STARTING TIME
                       NQ        241  NUMBER OF HYDROGRAPH ORDINATES
                   NDDATE      2   0  ENDING DATE
                   NDTIME       0000  ENDING TIME
                    ICENT         19  CENTURY MARK

                COMPUTATION INTERVAL      .10 HOURS
                     TOTAL TIME BASE    24.00 HOURS

        ENGLISH UNITS
             DRAINAGE AREA           SQUARE MILES
             PRECIPITATION DEPTH     INCHES
             LENGTH, ELEVATION       FEET
             FLOW                    CUBIC FEET PER SECOND
             STORAGE VOLUME          ACRE-FEET
             SURFACE AREA            ACRES
             TEMPERATURE             DEGREES FAHRENHEIT

     JP        MULTI-PLAN OPTION
                    NPLAN              1  NUMBER OF PLANS

     JR        MULTI-RATIO OPTION
                 RATIOS OF PRECIPITATION
                   .54       .63        .76        .88       1.00

*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

          **************
          *            *
  47 KK   *   SUB B1   *          SUBAREA B1 WATERSHED AREA
          *            *
          **************

  49 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          2  PRINT CONTROL
                    IPLOT          2  PLOT CONTROL
                    QSCAL          0.  HYDROGRAPH PLOT SCALE

  51 IN        TIME DATA FOR INPUT TIME SERIES
                    JXMIN          6  TIME INTERVAL IN MINUTES
                   JXDATE      1   0  STARTING DATE
                   JXTIME          0  STARTING TIME

             SUBBASIN RUNOFF DATA

  77 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .05  SUBBASIN AREA

               PRECIPITATION DATA

  50 PB             STORM       8.00  BASIN TOTAL PRECIPITATION

  52 PI          INCREMENTAL PRECIPITATION PATTERN
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .01      .00      .01      .00      .01      .01      .01      .01      .01      .01
                   .01      .01      .01      .01      .01      .01      .02      .03      .05      .08
                   .08      .05      .03      .02      .01      .01      .01      .01      .01      .01
                   .01      .01      .01      .01      .01      .00      .01      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00
                   .00      .00      .00      .00      .00      .00      .00      .00      .00      .00

  78 LS          SCS LOSS RATE
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CALIFONHYDROLOGY

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                STRTL         1.13  INITIAL ABSTRACTION
               CRVNBR        64.00  CURVE NUMBER
                RTIMP          .00  PERCENT IMPERVIOUS AREA

79 UD          SCS DIMENSIONLESS UNITGRAPH
                TLAG           .56  LAG
```

***

UNIT HYDROGRAPH
30 END-OF-PERIOD ORDINATES

3.	9.	18.	30.	37.	40.	38.	34.	28.	21.
15.	12.	9.	7.	5.	4.	3.	2.	2.	1.
1.	1.	1.	0.	0.	0.	0.	0.	0.	0.

HYDROGRAPH AT STATION SUB B1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.01	.01	.00	0.
1		0012	3	.01	.01	.00	0.
1		0018	4	.01	.01	.00	0.
1		0024	5	.01	.01	.00	0.
1		0030	6	.01	.01	.00	0.
1		0036	7	.01	.01	.00	0.
1		0042	8	.01	.01	.00	0.
1		0048	9	.01	.01	.00	0.
1		0054	10	.01	.01	.00	0.
1		0100	11	.01	.01	.00	0.
1		0106	12	.01	.01	.00	0.
1		0112	13	.01	.01	.00	0.
1		0118	14	.01	.01	.00	0.
1		0124	15	.01	.01	.00	0.
1		0130	16	.01	.01	.00	0.
1		0136	17	.01	.01	.00	0.
1		0142	18	.01	.01	.00	0.
1		0148	19	.01	.01	.00	0.
1		0154	20	.01	.01	.00	0.
1		0200	21	.01	.01	.00	0.
1		0206	22	.01	.01	.00	0.
1		0212	23	.01	.01	.00	0.
1		0218	24	.01	.01	.00	0.
1		0224	25	.01	.01	.00	0.
1		0230	26	.02	.02	.00	0.
1		0236	27	.01	.01	.00	0.
1		0242	28	.01	.01	.00	0.
1		0248	29	.01	.01	.00	0.
1		0254	30	.01	.01	.00	0.
1		0300	31	.01	.01	.00	0.
1		0306	32	.01	.01	.00	0.
1		0312	33	.02	.02	.00	0.
1		0318	34	.01	.01	.00	0.
1		0324	35	.01	.01	.00	0.
1		0330	36	.01	.01	.00	0.
1		0336	37	.01	.01	.00	0.
1		0342	38	.02	.02	.00	0.
1		0348	39	.01	.01	.00	0.
1		0354	40	.01	.01	.00	0.
1		0400	41	.01	.01	.00	0.
1		0406	42	.02	.02	.00	0.
1		0412	43	.01	.01	.00	0.
1		0418	44	.01	.01	.00	0.
1		0424	45	.02	.02	.00	0.
1		0430	46	.01	.01	.00	0.
1		0436	47	.01	.01	.00	0.
1		0442	48	.02	.02	.00	0.
1		0448	49	.01	.01	.00	0.
1		0454	50	.01	.01	.00	0.
1		0500	51	.02	.02	.00	0.
1		0506	52	.01	.01	.00	0.
1		0512	53	.02	.02	.00	0.
1		0518	54	.01	.01	.00	0.
1		0524	55	.02	.02	.00	0.
1		0530	56	.01	.01	.00	0.
1		0536	57	.02	.02	.00	0.
1		0542	58	.01	.01	.00	0.
1		0548	59	.02	.02	.00	0.
1		0554	60	.01	.01	.00	0.
1		0600	61	.02	.02	.00	0.
1		0606	62	.02	.02	.00	0.
1		0612	63	.01	.01	.00	0.
1		0618	64	.02	.02	.00	0.
1		0624	65	.02	.02	.00	0.
1		0630	66	.01	.01	.00	0.
1		0636	67	.02	.02	.00	0.
1		0642	68	.02	.02	.00	0.
1		0648	69	.01	.01	.00	0.
1		0654	70	.02	.02	.00	0.
1		0700	71	.02	.02	.00	0.
1		0706	72	.02	.02	.00	0.
1		0712	73	.02	.02	.00	0.
1		0718	74	.02	.02	.00	0.
1		0724	75	.02	.02	.00	0.
1		0730	76	.02	.02	.00	0.
1		0736	77	.02	.02	.00	0.
1		0742	78	.02	.02	.00	0.
1		0748	79	.02	.02	.00	0.
1		0754	80	.02	.02	.00	0.
1		0800	81	.02	.02	.00	0.
1		0806	82	.02	.02	.00	0.
1		0812	83	.02	.02	.00	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1206	122	.67	.27	.40	18.
1		1212	123	.43	.16	.28	27.
1		1218	124	.28	.09	.19	38.
1		1224	125	.13	.04	.09	48.
1		1230	126	.10	.03	.07	56.
1		1236	127	.10	.03	.07	60.
1		1242	128	.09	.03	.06	60.
1		1248	129	.07	.02	.05	56.
1		1254	130	.07	.02	.05	50.
1		1300	131	.06	.02	.05	44.
1		1306	132	.06	.02	.04	38.
1		1312	133	.06	.02	.05	33.
1		1318	134	.05	.01	.03	29.
1		1324	135	.06	.02	.04	26.
1		1330	136	.05	.01	.03	23.
1		1336	137	.04	.01	.03	21.
1		1342	138	.05	.01	.04	19.
1		1348	139	.04	.01	.03	17.
1		1354	140	.04	.01	.03	16.
1		1400	141	.04	.01	.03	15.
1		1406	142	.04	.01	.03	14.
1		1412	143	.04	.01	.03	13.
1		1418	144	.03	.01	.02	12.
1		1424	145	.03	.01	.02	11.
1		1430	146	.04	.01	.03	11.
1		1436	147	.03	.01	.02	10.
1		1442	148	.03	.01	.02	10.
1		1448	149	.02	.01	.02	10.
1		1454	150	.03	.01	.02	9.
1		1500	151	.03	.01	.02	9.
1		1506	152	.03	.01	.02	9.
1		1512	153	.02	.01	.02	8.
1		1518	154	.03	.01	.02	8.
1		1524	155	.02	.01	.02	8.
1		1530	156	.02	.01	.02	8.
1		1536	157	.03	.01	.02	7.
1		1542	158	.02	.01	.02	7.
1		1548	159	.02	.01	.02	7.
1		1554	160	.02	.01	.02	7.
1		1600	161	.02	.01	.02	7.
1		1606	162	.02	.01	.02	7.
1		1612	163	.02	.01	.02	7.
1		1618	164	.02	.01	.02	6.
1		1624	165	.02	.01	.02	6.
1		1630	166	.02	.00	.01	6.
1		1636	167	.02	.01	.02	6.
1		1642	168	.02	.01	.02	6.
1		1648	169	.02	.00	.01	6.
1		1654	170	.02	.00	.01	6.
1		1700	171	.01	.00	.01	6.
1		1706	172	.02	.00	.01	5.
1		1712	173	.02	.00	.01	5.
1		1718	174	.02	.00	.01	5.
1		1724	175	.02	.00	.01	5.
1		1730	176	.01	.00	.01	4.
1		1736	177	.02	.00	.01	4.
1		1742	178	.02	.00	.01	4.
1		1748	179	.01	.00	.01	4.
1		1754	180	.02	.00	.01	4.
1		1800	181	.02	.00	.01	4.
1		1806	182	.01	.00	.01	4.
1		1812	183	.02	.00	.01	4.
1		1818	184	.01	.00	.01	3.
1		1824	185	.02	.00	.01	3.
1		1830	186	.01	.00	.01	3.
1		1836	187	.02	.00	.01	3.
1		1842	188	.01	.00	.01	3.
1		1848	189	.02	.00	.01	3.
1		1854	190	.01	.00	.01	3.
1		1900	191	.02	.00	.01	3.
1		1906	192	.01	.00	.01	3.
1		1912	193	.01	.00	.01	3.
1		1918	194	.02	.00	.01	3.
1		1924	195	.01	.00	.01	3.
1		1930	196	.02	.00	.01	3.
1		1936	197	.01	.00	.01	3.
1		1942	198	.01	.00	.01	3.
1		1948	199	.02	.00	.01	3.
1		1954	200	.01	.00	.01	3.
1		2000	201	.01	.00	.01	3.
1		2006	202	.01	.00	.01	3.
1		2012	203	.02	.00	.01	3.
1		2018	204	.01	.00	.01	3.

1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	3.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	3.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.02	.00	.01	3.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	3.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	3.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	3.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	3.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.02	.00	.01	3.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	3.
1	0912	93	.03	.03	.00	0.	*	1	2118	214	.01	.00	.01	2.
1	0918	94	.03	.03	.00	0.	*	1	2124	215	.01	.00	.01	3.
1	0924	95	.03	.03	.00	0.	*	1	2130	216	.01	.00	.01	2.
1	0930	96	.03	.03	.00	0.	*	1	2136	217	.01	.00	.01	2.
1	0936	97	.03	.03	.00	0.	*	1	2142	218	.01	.00	.01	2.
1	0942	98	.04	.04	.00	0.	*	1	2148	219	.01	.00	.01	2.
1	0948	99	.03	.03	.00	0.	*	1	2154	220	.01	.00	.01	2.
1	0954	100	.04	.04	.00	0.	*	1	2200	221	.02	.00	.01	2.
1	1000	101	.03	.03	.00	1.	*	1	2206	222	.01	.00	.01	2.
1	1006	102	.04	.03	.01	1.	*	1	2212	223	.01	.00	.01	2.
1	1012	103	.04	.03	.01	1.	*	1	2218	224	.01	.00	.01	2.
1	1018	104	.05	.04	.01	1.	*	1	2224	225	.01	.00	.01	2.
1	1024	105	.04	.03	.01	1.	*	1	2230	226	.01	.00	.01	2.
1	1030	106	.05	.04	.01	1.	*	1	2236	227	.01	.00	.01	2.
1	1036	107	.05	.04	.01	1.	*	1	2242	228	.01	.00	.01	2.
1	1042	108	.05	.04	.01	2.	*	1	2248	229	.01	.00	.01	2.
1	1048	109	.06	.04	.01	2.	*	1	2254	230	.01	.00	.01	2.
1	1054	110	.06	.04	.01	2.	*	1	2300	231	.01	.00	.01	2.
1	1100	111	.06	.05	.02	2.	*	1	2306	232	.01	.00	.01	2.
1	1106	112	.06	.05	.02	3.	*	1	2312	233	.01	.00	.01	2.
1	1112	113	.06	.05	.02	3.	*	1	2318	234	.01	.00	.01	2.
1	1118	114	.08	.06	.02	3.	*	1	2324	235	.01	.00	.01	2.
1	1124	115	.09	.06	.03	4.	*	1	2330	236	.01	.00	.01	2.
1	1130	116	.09	.06	.03	4.	*	1	2336	237	.01	.00	.01	2.
1	1136	117	.11	.07	.04	5.	*	1	2342	238	.01	.00	.01	2.
1	1142	118	.13	.08	.05	6.	*	1	2348	239	.00	.00	.00	2.
1	1148	119	.28	.17	.11	7.	*	1	2354	240	.00	.00	.00	2.
1	1154	120	.42	.23	.19	9.	*	2	0000	241	.01	.00	.01	2.
1	1200	121	.67	.32	.35	12.	*							

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    TOTAL RAINFALL =    8.00, TOTAL LOSS =    4.22, TOTAL EXCESS =    3.78

  PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                       6-HR        24-HR       72-HR      24.00-HR
+   (CFS)        (HR)
                              (CFS)
+      60.      12.60                   17.           5.          5.          5.
                            (INCHES)   3.095        3.740       3.740       3.740
                            (AC-FT)       8.          10.         10.         10.

                        CUMULATIVE AREA =     .05 SQ MI
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HYDROGRAPH AT STATION SUB B1
PLAN 1, RATIO = .54

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.36	.25	.12	3.
1		0006	2	.00	.00	.00	0.	*	1		1212	123	.23	.14	.09	5.
1		0012	3	.00	.00	.00	0.	*	1		1218	124	.15	.09	.06	8.
1		0018	4	.00	.00	.00	0.	*	1		1224	125	.07	.04	.03	12.
1		0024	5	.00	.00	.00	0.	*	1		1230	126	.06	.03	.02	14.
1		0030	6	.00	.00	.00	0.	*	1		1236	127	.05	.03	.02	16.
1		0036	7	.00	.00	.00	0.	*	1		1242	128	.05	.03	.02	16.
1		0042	8	.00	.00	.00	0.	*	1		1248	129	.04	.02	.02	16.
1		0048	9	.00	.00	.00	0.	*	1		1254	130	.04	.02	.02	15.
1		0054	10	.00	.00	.00	0.	*	1		1300	131	.03	.02	.02	13.
1		0100	11	.00	.00	.00	0.	*	1		1306	132	.03	.02	.01	12.
1		0106	12	.00	.00	.00	0.	*	1		1312	133	.03	.02	.02	10.
1		0112	13	.00	.00	.00	0.	*	1		1318	134	.03	.01	.01	9.
1		0118	14	.00	.00	.00	0.	*	1		1324	135	.03	.02	.01	8.
1		0124	15	.00	.00	.00	0.	*	1		1330	136	.03	.01	.01	7.
1		0130	16	.00	.00	.00	0.	*	1		1336	137	.02	.01	.01	7.
1		0136	17	.00	.00	.00	0.	*	1		1342	138	.03	.01	.01	6.
1		0142	18	.00	.00	.00	0.	*	1		1348	139	.02	.01	.01	6.
1		0148	19	.00	.00	.00	0.	*	1		1354	140	.02	.01	.01	5.
1		0154	20	.00	.00	.00	0.	*	1		1400	141	.02	.01	.01	5.
1		0200	21	.00	.00	.00	0.	*	1		1406	142	.02	.01	.01	5.
1		0206	22	.00	.00	.00	0.	*	1		1412	143	.02	.01	.01	4.
1		0212	23	.00	.00	.00	0.	*	1		1418	144	.02	.01	.01	4.
1		0218	24	.00	.00	.00	0.	*	1		1424	145	.02	.01	.01	4.
1		0224	25	.00	.00	.00	0.	*	1		1430	146	.02	.01	.01	4.
1		0230	26	.01	.01	.00	0.	*	1		1436	147	.02	.01	.01	4.
1		0236	27	.00	.00	.00	0.	*	1		1442	148	.02	.01	.01	4.
1		0242	28	.00	.00	.00	0.	*	1		1448	149	.01	.01	.01	3.
1		0248	29	.00	.00	.00	0.	*	1		1454	150	.02	.01	.01	3.
1		0254	30	.00	.00	.00	0.	*	1		1500	151	.02	.01	.01	3.
1		0300	31	.00	.00	.00	0.	*	1		1506	152	.02	.01	.01	3.
1		0306	32	.00	.00	.00	0.	*	1		1512	153	.01	.01	.01	3.
1		0312	33	.01	.01	.00	0.	*	1		1518	154	.02	.01	.01	3.
1		0318	34	.00	.00	.00	0.	*	1		1524	155	.01	.01	.01	3.
1		0324	35	.00	.00	.00	0.	*	1		1530	156	.01	.01	.01	3.
1		0330	36	.00	.00	.00	0.	*	1		1536	157	.02	.01	.01	3.
1		0336	37	.00	.00	.00	0.	*	1		1542	158	.01	.01	.01	3.
1		0342	38	.01	.01	.00	0.	*	1		1548	159	.01	.01	.01	3.
1		0348	39	.00	.00	.00	0.	*	1		1554	160	.01	.01	.01	3.
1		0354	40	.00	.00	.00	0.	*	1		1600	161	.01	.01	.01	3.
1		0400	41	.00	.00	.00	0.	*	1		1606	162	.01	.01	.01	3.
1		0406	42	.01	.01	.00	0.	*	1		1612	163	.01	.01	.01	2.
1		0412	43	.00	.00	.00	0.	*	1		1618	164	.01	.01	.01	2.

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 1   0418   44    .00    .00    .00      0.     *     1   1624  165    .01    .01    .01      2.
 1   0424   45    .01    .01    .00      0.     *     1   1630  166    .01    .00    .01      2.
 1   0430   46    .00    .00    .00      0.     *     1   1636  167    .01    .01    .01      2.
 1   0436   47    .00    .00    .00      0.     *     1   1642  168    .01    .01    .01      2.
 1   0442   48    .01    .01    .00      0.     *     1   1648  169    .01    .00    .00      2.
 1   0448   49    .00    .00    .00      0.     *     1   1654  170    .01    .00    .00      2.
 1   0454   50    .00    .00    .00      0.     *     1   1700  171    .00    .00    .00      2.
 1   0500   51    .01    .01    .00      0.     *     1   1706  172    .01    .00    .00      2.
 1   0506   52    .00    .00    .00      0.     *     1   1712  173    .01    .00    .00      2.
 1   0512   53    .01    .01    .00      0.     *     1   1718  174    .01    .00    .00      2.
 1   0518   54    .00    .00    .00      0.     *     1   1724  175    .01    .00    .00      2.
 1   0524   55    .01    .01    .00      0.     *     1   1730  176    .00    .00    .00      2.
 1   0530   56    .00    .00    .00      0.     *     1   1736  177    .01    .00    .00      2.
 1   0536   57    .01    .01    .00      0.     *     1   1742  178    .01    .00    .00      2.
 1   0542   58    .00    .00    .00      0.     *     1   1748  179    .00    .00    .00      2.
 1   0548   59    .01    .01    .00      0.     *     1   1754  180    .01    .00    .00      1.
 1   0554   60    .00    .00    .00      0.     *     1   1800  181    .01    .00    .00      1.
 1   0600   61    .01    .01    .00      0.     *     1   1806  182    .00    .00    .00      1.
 1   0606   62    .01    .01    .00      0.     *     1   1812  183    .01    .00    .00      1.
 1   0612   63    .00    .00    .00      0.     *     1   1818  184    .00    .00    .00      1.
 1   0618   64    .01    .01    .00      0.     *     1   1824  185    .01    .00    .00      1.
 1   0624   65    .01    .01    .00      0.     *     1   1830  186    .00    .00    .00      1.
 1   0630   66    .00    .00    .00      0.     *     1   1836  187    .01    .00    .00      1.
 1   0636   67    .01    .01    .00      0.     *     1   1842  188    .00    .00    .00      1.
 1   0642   68    .01    .01    .00      0.     *     1   1848  189    .01    .00    .00      1.
 1   0648   69    .00    .00    .00      0.     *     1   1854  190    .00    .00    .00      1.
 1   0654   70    .01    .01    .00      0.     *     1   1900  191    .01    .00    .00      1.
 1   0700   71    .01    .01    .00      0.     *     1   1906  192    .00    .00    .00      1.
 1   0706   72    .01    .01    .00      0.     *     1   1912  193    .00    .00    .00      1.
 1   0712   73    .01    .01    .00      0.     *     1   1918  194    .01    .00    .00      1.
 1   0718   74    .01    .01    .00      0.     *     1   1924  195    .00    .00    .00      1.
 1   0724   75    .01    .01    .00      0.     *     1   1930  196    .01    .00    .00      1.
 1   0730   76    .01    .01    .00      0.     *     1   1936  197    .00    .00    .00      1.
 1   0736   77    .01    .01    .00      0.     *     1   1942  198    .00    .00    .00      1.
 1   0742   78    .01    .01    .00      0.     *     1   1948  199    .01    .00    .00      1.
 1   0748   79    .01    .01    .00      0.     *     1   1954  200    .00    .00    .00      1.
 1   0754   80    .01    .01    .00      0.     *     1   2000  201    .00    .00    .00      1.
 1   0800   81    .01    .01    .00      0.     *     1   2006  202    .00    .00    .00      1.
 1   0806   82    .01    .01    .00      0.     *     1   2012  203    .01    .00    .00      1.
 1   0812   83    .01    .01    .00      0.     *     1   2018  204    .00    .00    .00      1.
 1   0818   84    .01    .01    .00      0.     *     1   2024  205    .00    .00    .00      1.
 1   0824   85    .01    .01    .00      0.     *     1   2030  206    .00    .00    .00      1.
 1   0830   86    .01    .01    .00      0.     *     1   2036  207    .01    .00    .00      1.
 1   0836   87    .02    .02    .00      0.     *     1   2042  208    .00    .00    .00      1.
 1   0842   88    .01    .01    .00      0.     *     1   2048  209    .00    .00    .00      1.
 1   0848   89    .01    .01    .00      0.     *     1   2054  210    .00    .00    .00      1.
 1   0854   90    .02    .02    .00      0.     *     1   2100  211    .00    .00    .00      1.
 1   0900   91    .02    .02    .00      0.     *     1   2106  212    .01    .00    .00      1.
 1   0906   92    .01    .01    .00      0.     *     1   2112  213    .00    .00    .00      1.
 1   0912   93    .02    .02    .00      0.     *     1   2118  214    .00    .00    .00      1.
 1   0918   94    .02    .02    .00      0.     *     1   2124  215    .00    .00    .00      1.
 1   0924   95    .02    .02    .00      0.     *     1   2130  216    .00    .00    .00      1.
 1   0930   96    .02    .02    .00      0.     *     1   2136  217    .00    .00    .00      1.
 1   0936   97    .02    .02    .00      0.     *     1   2142  218    .00    .00    .00      1.
 1   0942   98    .02    .02    .00      0.     *     1   2148  219    .00    .00    .00      1.
 1   0948   99    .02    .02    .00      0.     *     1   2154  220    .00    .00    .00      1.
 1   0954  100    .02    .02    .00      0.     *     1   2200  221    .01    .00    .01      1.
 1   1000  101    .02    .02    .00      0.     *     1   2206  222    .00    .00    .00      1.
 1   1006  102    .02    .02    .00      0.     *     1   2212  223    .00    .00    .00      1.
 1   1012  103    .02    .02    .00      0.     *     1   2218  224    .00    .00    .00      1.
 1   1018  104    .03    .03    .00      0.     *     1   2224  225    .00    .00    .00      1.
 1   1024  105    .02    .02    .00      0.     *     1   2230  226    .00    .00    .00      1.
 1   1030  106    .03    .03    .00      0.     *     1   2236  227    .00    .00    .00      1.
 1   1036  107    .03    .03    .00      0.     *     1   2242  228    .00    .00    .00      1.
 1   1042  108    .03    .03    .00      0.     *     1   2248  229    .00    .00    .00      1.
 1   1048  109    .03    .03    .00      0.     *     1   2254  230    .00    .00    .00      1.
 1   1054  110    .03    .03    .00      0.     *     1   2300  231    .00    .00    .00      1.
 1   1100  111    .03    .03    .00      0.     *     1   2306  232    .00    .00    .00      1.
 1   1106  112    .03    .03    .00      0.     *     1   2312  233    .00    .00    .00      1.
 1   1112  113    .03    .03    .00      0.     *     1   2318  234    .00    .00    .00      1.
 1   1118  114    .04    .04    .00      0.     *     1   2324  235    .00    .00    .00      1.
 1   1124  115    .05    .05    .00      0.     *     1   2330  236    .00    .00    .00      1.
 1   1130  116    .05    .05    .00      0.     *     1   2336  237    .00    .00    .00      1.
 1   1136  117    .06    .06    .00      0.     *     1   2342  238    .00    .00    .00      1.
 1   1142  118    .07    .06    .01      0.     *     1   2348  239    .00    .00    .00      1.
 1   1148  119    .15    .13    .02      0.     *     1   2354  240    .00    .00    .00      1.
 1   1154  120    .23    .19    .04      1.     *     2   0000  241    .00    .00    .00      1.
 1   1200  121    .36    .27    .09      1.     *
                                                *
*******************************************************************************************************

    TOTAL RAINFALL =    4.30, TOTAL LOSS =    3.15, TOTAL EXCESS =    1.15

  PEAK FLOW     TIME                         MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR      72-HR      24.00-HR
+    (CFS)      (HR)
                           (CFS)
+      16.     12.70                   5.          2.         2.          2.
                          (INCHES)   .932       1.129      1.129       1.129
                          (AC-FT)      2.          3.         3.          3.

                          CUMULATIVE AREA =     .05 SQ MI

1                                                    STATION    SUB B1

                          (O) OUTFLOW
          0.        2.        4.        6.        8.       10.       12.       14.       16.       18.        0.        0.        0.
                                                                                                       (L) PRECIP,  (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .4        .3        .2        .1        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
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10036   70         .         .         .         .         .         .         .         .         .         .         .         .
10042   80         .         .         .         .         .         .         .         .         .         .         .         .
10048   90         .         .         .         .         .         .         .         .         .         .         .         .
10054  100         .         .         .         .         .         .         .         .         .         .         .         .
10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106  120         .         .         .         .         .         .         .         .         .         .         .         .
10112  130         .         .         .         .         .         .         .         .         .         .         .         .
10118  140         .         .         .         .         .         .         .         .         .         .         .         .
10124  150         .         .         .         .         .         .         .         .         .         .         .         .
10130  160         .         .         .         .         .         .         .         .         .         .         .         .
10136  170         .         .         .         .         .         .         .         .         .         .         .         .
10142  180         .         .         .         .         .         .         .         .         .         .         .         .
10148  190         .         .         .         .         .         .         .         .         .         .         .         .
10154  200         .         .         .         .         .         .         .         .         .         .         .         .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220         .         .         .         .         .         .         .         .         .         .         .         .
10212  230         .         .         .         .         .         .         .         .         .         .         .         .
10218  240         .         .         .         .         .         .         .         .         .         .         .         .
10224  250         .         .         .         .         .         .         .         .         .         .         .         .
10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
10236  270         .         .         .         .         .         .         .         .         .         .         .         .
10242  280         .         .         .         .         .         .         .         .         .         .         .         .
10248  290         .         .         .         .         .         .         .         .         .         .         .         .
10254  300         .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320         .         .         .         .         .         .         .         .         .         .         .         .
10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
10318  340         .         .         .         .         .         .         .         .         .         .         .         .
10324  350         .         .         .         .         .         .         .         .         .         .         .         .
10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
10354  400         .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
10412  430         .         .         .         .         .         .         .         .         .         .         .         .
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .       LL.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .       LL.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .       LL.
10918  940         .         .         .         .         .         .         .         .         .         .         .       LL.
10924  950         .         .         .         .         .         .         .         .         .         .         .       LL.
10930  960         .         .         .         .         .         .         .         .         .         .         .       LL.
10936  970         .         .         .         .         .         .         .         .         .         .         .       LL.
10942  980         .         .         .         .         .         .         .         .         .         .         .       LL.
10948  990         .         .         .         .         .         .         .         .         .         .         .       LL.
10954 1000         .         .         .         .         .         .         .         .         .         .         .       LL.
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 1020         .         .         .         .         .         .         .         .         .         .         .       LL.
11012 1030         .         .         .         .         .         .         .         .         .         .         .       LL.
11018 1040         .         .         .         .         .         .         .         .         .         .         .      LLL.
11024 1050         .         .         .         .         .         .         .         .         .         .         .       LL.
11030 1060         .         .         .         .         .         .         .         .         .         .         .      LLL.
11036 1070         .         .         .         .         .         .         .         .         .         .         .      LLL.
11042 1080         .         .         .         .         .         .         .         .         .         .         .      LLL.
11048 1090         .         .         .         .         .         .         .         .         .         .         .      LLL.
11054 1100         .         .         .         .         .         .         .         .         .         .         .      LLL.
11100 1110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLL.
11106 1120         .         .         .         .         .         .         .         .         .         .         .      LLL.
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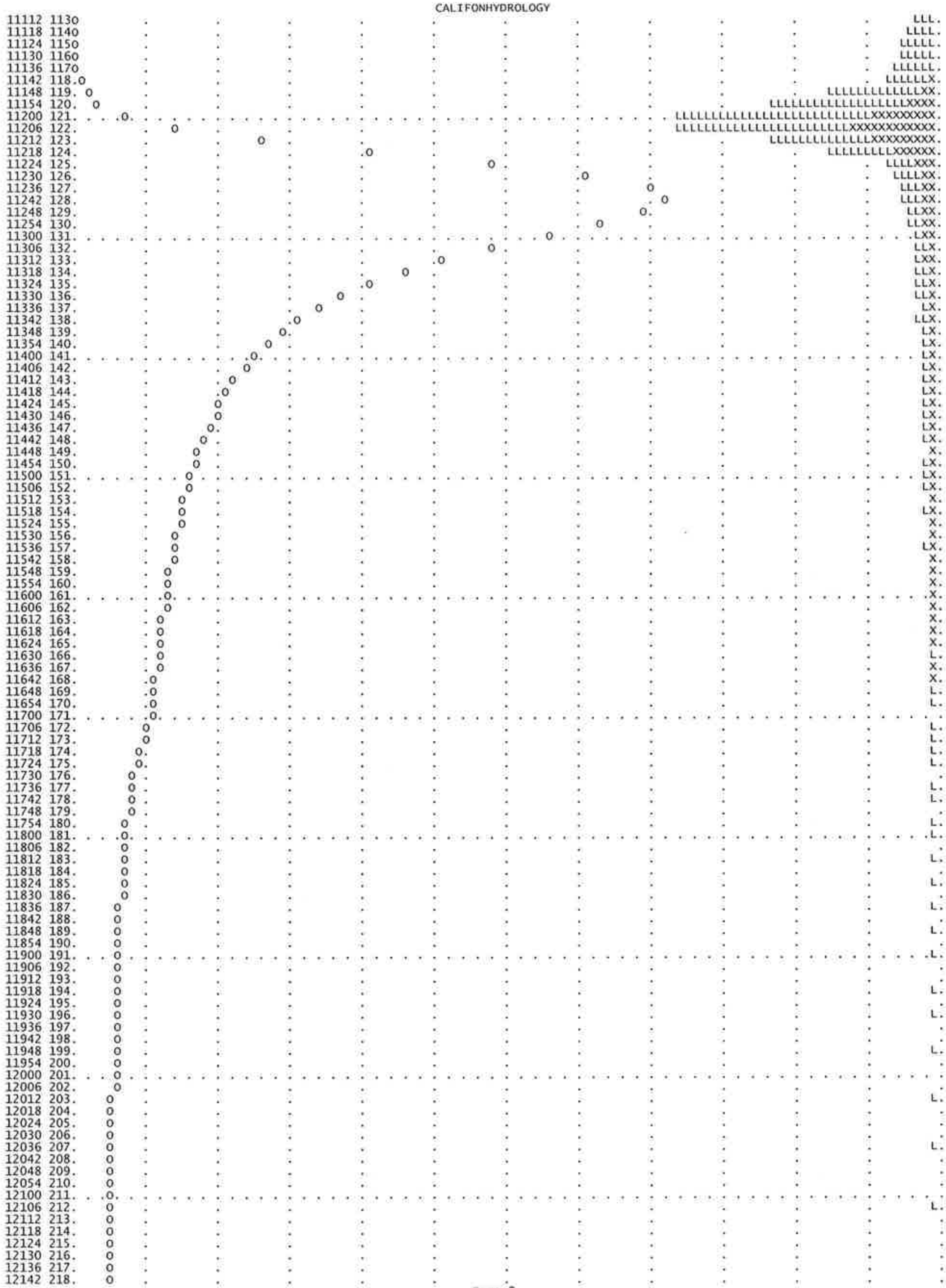
11112 1130
11118 1140
11124 1150
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11136 1170
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11154 120.
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11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
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11354 140.
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11412 143.
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11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
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11618 164.
11624 165.
11630 166.
11636 167.
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11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
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11742 178.
11748 179.
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11836 187.
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11854 190.
11900 191.
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11912 193.
11918 194.
11924 195.
11930 196.
11936 197.
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11948 199.
11954 200.
12000 201.
12006 202.
12012 203.
12018 204.
12024 205.
12030 206.
12036 207.
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12054 210.
12100 211.
12106 212.
12112 213.
12118 214.
12124 215.
12130 216.
12136 217.
12142 218.

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12148 219.    O    .         .         .         .         .         .         .         .         .         .         .         .
12154 220.    O    .         .         .         .         .         .         .         .         .         .         .         .
12200 221. .  O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222.   O     .         .         .         .         .         .         .         .         .         .         .         .
12212 223.   O     .         .         .         .         .         .         .         .         .         .         .         .
12218 224.    O    .         .         .         .         .         .         .         .         .         .         .         .
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12230 226.    O    .         .         .         .         .         .         .         .         .         .         .         .
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12242 228.    O    .         .         .         .         .         .         .         .         .         .         .         .
12248 229.   O     .         .         .         .         .         .         .         .         .         .         .         .
12254 230.   O     .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .  O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.   O     .         .         .         .         .         .         .         .         .         .         .         .
12312 233.   O     .         .         .         .         .         .         .         .         .         .         .         .
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12324 235.   O     .         .         .         .         .         .         .         .         .         .         .         .
12330 236.   O     .         .         .         .         .         .         .         .         .         .         .         .
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12342 238.   O     .         .         .         .         .         .         .         .         .         .         .         .
12348 239.   O     .         .         .         .         .         .         .         .         .         .         .         .
12354 240.   O     .         .         .         .         .         .         .         .         .         .         .         .
20000 241.---O-----.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB B1
PLAN 1, RATIO = .63

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.01	.01	.00	0.
1		0012	3	.01	.01	.00	0.
1		0018	4	.00	.00	.00	0.
1		0024	5	.01	.01	.00	0.
1		0030	6	.00	.00	.00	0.
1		0036	7	.01	.01	.00	0.
1		0042	8	.01	.01	.00	0.
1		0048	9	.01	.01	.00	0.
1		0054	10	.00	.00	.00	0.
1		0100	11	.01	.01	.00	0.
1		0106	12	.01	.01	.00	0.
1		0112	13	.01	.01	.00	0.
1		0118	14	.01	.01	.00	0.
1		0124	15	.01	.01	.00	0.
1		0130	16	.00	.00	.00	0.
1		0136	17	.01	.01	.00	0.
1		0142	18	.01	.01	.00	0.
1		0148	19	.00	.00	.00	0.
1		0154	20	.01	.01	.00	0.
1		0200	21	.01	.01	.00	0.
1		0206	22	.01	.01	.00	0.
1		0212	23	.01	.01	.00	0.
1		0218	24	.01	.01	.00	0.
1		0224	25	.01	.01	.00	0.
1		0230	26	.01	.01	.00	0.
1		0236	27	.01	.01	.00	0.
1		0242	28	.01	.01	.00	0.
1		0248	29	.00	.00	.00	0.
1		0254	30	.01	.01	.00	0.
1		0300	31	.01	.01	.00	0.
1		0306	32	.01	.01	.00	0.
1		0312	33	.01	.01	.00	0.
1		0318	34	.00	.00	.00	0.
1		0324	35	.00	.00	.00	0.
1		0330	36	.01	.01	.00	0.
1		0336	37	.00	.00	.00	0.
1		0342	38	.01	.01	.00	0.
1		0348	39	.01	.01	.00	0.
1		0354	40	.00	.00	.00	0.
1		0400	41	.01	.01	.00	0.
1		0406	42	.01	.01	.00	0.
1		0412	43	.00	.00	.00	0.
1		0418	44	.00	.00	.00	0.
1		0424	45	.01	.01	.00	0.
1		0430	46	.01	.01	.00	0.
1		0436	47	.00	.00	.00	0.
1		0442	48	.01	.01	.00	0.
1		0448	49	.01	.01	.00	0.
1		0454	50	.00	.00	.00	0.
1		0500	51	.01	.01	.00	0.
1		0506	52	.00	.00	.00	0.
1		0512	53	.01	.01	.00	0.
1		0518	54	.01	.01	.00	0.
1		0524	55	.01	.01	.00	0.
1		0530	56	.01	.01	.00	0.
1		0536	57	.01	.01	.00	0.
1		0542	58	.01	.01	.00	0.
1		0548	59	.01	.01	.00	0.
1		0554	60	.01	.01	.00	0.
1		0600	61	.01	.01	.00	0.
1		0606	62	.01	.01	.00	0.
1		0612	63	.01	.01	.00	0.
1		0618	64	.01	.01	.00	0.
1		0624	65	.01	.01	.00	0.
1		0630	66	.00	.00	.00	0.
1		0636	67	.01	.01	.00	0.
1		0642	68	.01	.01	.00	0.
1		0648	69	.01	.01	.00	0.
1		0654	70	.01	.01	.00	0.
1		0700	71	.01	.01	.00	0.
1		0706	72	.01	.01	.00	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1206	122	.42	.26	.16	5.
1		1212	123	.27	.15	.12	9.
1		1218	124	.17	.09	.08	13.
1		1224	125	.08	.04	.04	18.
1		1230	126	.07	.03	.03	21.
1		1236	127	.06	.03	.03	23.
1		1242	128	.06	.03	.03	24.
1		1248	129	.05	.02	.02	23.
1		1254	130	.04	.02	.02	21.
1		1300	131	.04	.02	.02	18.
1		1306	132	.04	.02	.02	16.
1		1312	133	.04	.02	.02	14.
1		1318	134	.03	.01	.02	13.
1		1324	135	.03	.02	.02	11.
1		1330	136	.03	.01	.02	10.
1		1336	137	.02	.01	.01	9.
1		1342	138	.03	.01	.02	8.
1		1348	139	.02	.01	.01	8.
1		1354	140	.02	.01	.01	7.
1		1400	141	.02	.01	.01	7.
1		1406	142	.02	.01	.01	6.
1		1412	143	.02	.01	.01	6.
1		1418	144	.02	.01	.01	6.
1		1424	145	.02	.01	.01	5.
1		1430	146	.02	.01	.01	5.
1		1436	147	.02	.01	.01	5.
1		1442	148	.02	.01	.01	5.
1		1448	149	.02	.01	.01	5.
1		1454	150	.02	.01	.01	4.
1		1500	151	.02	.01	.01	4.
1		1506	152	.02	.01	.01	4.
1		1512	153	.02	.01	.01	4.
1		1518	154	.02	.01	.01	4.
1		1524	155	.01	.01	.01	4.
1		1530	156	.02	.01	.01	4.
1		1536	157	.02	.01	.01	4.
1		1542	158	.01	.01	.01	4.
1		1548	159	.02	.01	.01	3.
1		1554	160	.02	.01	.01	3.
1		1600	161	.01	.01	.01	3.
1		1606	162	.02	.01	.01	3.
1		1612	163	.02	.01	.01	3.
1		1618	164	.01	.01	.01	3.
1		1624	165	.02	.01	.01	3.
1		1630	166	.01	.00	.01	3.
1		1636	167	.02	.01	.01	3.
1		1642	168	.02	.01	.01	3.
1		1648	169	.01	.00	.01	3.
1		1654	170	.01	.00	.01	3.
1		1700	171	.00	.00	.00	3.
1		1706	172	.01	.00	.01	3.
1		1712	173	.01	.00	.01	3.
1		1718	174	.01	.00	.01	2.
1		1724	175	.01	.00	.01	2.
1		1730	176	.00	.00	.00	2.
1		1736	177	.01	.00	.01	2.
1		1742	178	.01	.00	.01	2.
1		1748	179	.00	.00	.00	2.
1		1754	180	.01	.00	.01	2.
1		1800	181	.01	.00	.01	2.
1		1806	182	.00	.00	.00	2.
1		1812	183	.01	.00	.01	2.
1		1818	184	.01	.00	.00	2.
1		1824	185	.01	.00	.01	2.
1		1830	186	.00	.00	.00	2.
1		1836	187	.01	.00	.01	2.
1		1842	188	.00	.00	.00	2.
1		1848	189	.01	.00	.01	2.
1		1854	190	.00	.00	.00	2.
1		1900	191	.01	.00	.01	2.
1		1906	192	.00	.00	.00	2.
1		1912	193	.00	.00	.00	2.

CALIFONHYDROLOGY

1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	2.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.00	.00	.00	1.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	1.
1	0730	76	.01	.01	.00	0.	*	1	1936	197	.01	.00	.00	1.
1	0736	77	.01	.01	.00	0.	*	1	1942	198	.00	.00	.00	1.
1	0742	78	.01	.01	.00	0.	*	1	1948	199	.01	.00	.01	1.
1	0748	79	.01	.01	.00	0.	*	1	1954	200	.00	.00	.00	1.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.00	1.
1	0800	81	.01	.01	.00	0.	*	1	2006	202	.00	.00	.00	1.
1	0806	82	.01	.01	.00	0.	*	1	2012	203	.01	.00	.01	1.
1	0812	83	.01	.01	.00	0.	*	1	2018	204	.01	.00	.00	1.
1	0818	84	.01	.01	.00	0.	*	1	2024	205	.00	.00	.00	1.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.00	.00	.00	1.
1	0830	86	.01	.01	.00	0.	*	1	2036	207	.01	.00	.01	1.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.01	.00	.00	1.
1	0842	88	.01	.01	.00	0.	*	1	2048	209	.00	.00	.00	1.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.00	.00	.00	1.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.00	.00	.00	1.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	1.
1	0906	92	.01	.01	.00	0.	*	1	2112	213	.00	.00	.00	1.
1	0912	93	.02	.02	.00	0.	*	1	2118	214	.00	.00	.00	1.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.00	.00	.00	1.
1	0924	95	.02	.02	.00	0.	*	1	2130	216	.01	.00	.00	1.
1	0930	96	.02	.02	.00	0.	*	1	2136	217	.00	.00	.00	1.
1	0936	97	.02	.02	.00	0.	*	1	2142	218	.00	.00	.00	1.
1	0942	98	.02	.02	.00	0.	*	1	2148	219	.00	.00	.00	1.
1	0948	99	.02	.02	.00	0.	*	1	2154	220	.00	.00	.00	1.
1	0954	100	.02	.02	.00	0.	*	1	2200	221	.01	.00	.01	1.
1	1000	101	.02	.02	.00	0.	*	1	2206	222	.00	.00	.00	1.
1	1006	102	.03	.03	.00	0.	*	1	2212	223	.00	.00	.00	1.
1	1012	103	.02	.02	.00	0.	*	1	2218	224	.01	.00	.00	1.
1	1018	104	.03	.03	.00	0.	*	1	2224	225	.00	.00	.00	1.
1	1024	105	.02	.02	.00	0.	*	1	2230	226	.00	.00	.00	1.
1	1030	106	.03	.03	.00	0.	*	1	2236	227	.00	.00	.00	1.
1	1036	107	.03	.03	.00	0.	*	1	2242	228	.00	.00	.00	1.
1	1042	108	.03	.03	.00	0.	*	1	2248	229	.01	.00	.00	1.
1	1048	109	.03	.03	.00	0.	*	1	2254	230	.00	.00	.00	1.
1	1054	110	.03	.03	.00	0.	*	1	2300	231	.00	.00	.00	1.
1	1100	111	.04	.04	.00	0.	*	1	2306	232	.00	.00	.00	1.
1	1106	112	.04	.04	.00	0.	*	1	2312	233	.00	.00	.00	1.
1	1112	113	.04	.04	.00	0.	*	1	2318	234	.01	.00	.00	1.
1	1118	114	.05	.05	.00	0.	*	1	2324	235	.00	.00	.00	1.
1	1124	115	.06	.05	.01	0.	*	1	2330	236	.00	.00	.00	1.
1	1130	116	.06	.05	.01	0.	*	1	2336	237	.00	.00	.00	1.
1	1136	117	.07	.06	.01	1.	*	1	2342	238	.01	.00	.00	1.
1	1142	118	.08	.07	.01	1.	*	1	2348	239	.00	.00	.00	1.
1	1148	119	.17	.14	.03	1.	*	1	2354	240	.00	.00	.00	1.
1	1154	120	.27	.20	.06	2.	*	2	0000	241	.00	.00	.00	1.
1	1200	121	.42	.29	.13	3.	*							
							*							

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TOTAL RAINFALL = 5.00, TOTAL LOSS = 3.42, TOTAL EXCESS = 1.58

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 24.	12.70		7.	2.	2.	2.
		(INCHES)	1.295	1.560	1.560	1.560
		(AC-FT)	3.	4.	4.	4.

CUMULATIVE AREA = .05 SQ MI

1 STATION SUB B1

```
                          (O) OUTFLOW
          0.        4.        8.       12.       16.       20.       24.        0.        0.        0.        0.        0.        0.
                                                                                                          (L) PRECIP,  (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
 10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9O         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10O         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12O         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13O         .         .         .         .         .         .         .         .         .         .         .         .
 10118  14O         .         .         .         .         .         .         .         .         .         .         .         .
 10124  15O         .         .         .         .         .         .         .         .         .         .         .         .
 10130  16O         .         .         .         .         .         .         .         .         .         .         .         .
 10136  17O         .         .         .         .         .         .         .         .         .         .         .         .
 10142  18O         .         .         .         .         .         .         .         .         .         .         .         .
 10148  19O         .         .         .         .         .         .         .         .         .         .         .         .
 10154  20O         .         .         .         .         .         .         .         .         .         .         .         .
 10200  21O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  22O         .         .         .         .         .         .         .         .         .         .         .         .
 10212  23O         .         .         .         .         .         .         .         .         .         .         .         .
 10218  24O         .         .         .         .         .         .         .         .         .         .         .         .
 10224  25O         .         .         .         .         .         .         .         .         .         .         .         .
 10230  26O         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  27O         .         .         .         .         .         .         .         .         .         .         .         .
 10242  28O         .         .         .         .         .         .         .         .         .         .         .         .
 10248  29O         .         .         .         .         .         .         .         .         .         .         .         .
 10254  30O         .         .         .         .         .         .         .         .         .         .         .         .
 10300  31O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  32O         .         .         .         .         .         .         .         .         .         .         .         .
 10312  33O         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  34O         .         .         .         .         .         .         .         .         .         .         .         .
 10324  35O         .         .         .         .         .         .         .         .         .         .         .         .
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10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
10354  400         .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
10412  430         .         .         .         .         .         .         .         .         .         .         .         .
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .         .
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .         .
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .         .
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .         .
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .         .
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .         .
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .         .
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .        L.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .        L.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .        L.
10918  940         .         .         .         .         .         .         .         .         .         .         .        L.
10924  950         .         .         .         .         .         .         .         .         .         .         .        L.
10930  960         .         .         .         .         .         .         .         .         .         .         .        L.
10936  970         .         .         .         .         .         .         .         .         .         .         .        L.
10942  980         .         .         .         .         .         .         .         .         .         .         .        L.
10948  990         .         .         .         .         .         .         .         .         .         .         .        L.
10954 1000         .         .         .         .         .         .         .         .         .         .         .        L.
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 1020         .         .         .         .         .         .         .         .         .         .         .        L.
11012 1030         .         .         .         .         .         .         .         .         .         .         .        L.
11018 1040         .         .         .         .         .         .         .         .         .         .         .        L.
11024 1050         .         .         .         .         .         .         .         .         .         .         .        L.
11030 1060         .         .         .         .         .         .         .         .         .         .         .       LL.
11036 1070         .         .         .         .         .         .         .         .         .         .         .        L.
11042 1080         .         .         .         .         .         .         .         .         .         .         .        L.
11048 1090         .         .         .         .         .         .         .         .         .         .         .       LL.
11054 1100         .         .         .         .         .         .         .         .         .         .         .       LL.
11100 1110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11106 1120         .         .         .         .         .         .         .         .         .         .         .       LL.
11112 1130         .         .         .         .         .         .         .         .         .         .         .       LL.
11118 1140         .         .         .         .         .         .         .         .         .         .         .       LL.
11124 115.O        .         .         .         .         .         .         .         .         .         .         .      LLL.
11130 116.O        .         .         .         .         .         .         .         .         .         .         .      LLL.
11136 117.O        .         .         .         .         .         .         .         .         .         .         .      LLL.
11142 118. O       .         .         .         .         .         .         .         .         .         .         .     LLLX.
11148 119.  O      .         .         .         .         .         .         .         .         .         .         .LLLLLLLXX.
11154 120.   O     .         .         .         .         .         .         .         .         .         .     LLLLLLLLLLLXXX.
11200 121. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLLLLLLLLLLLLLXXXXXXX.
11206 122.         .  O      .         .         .         .         .         .         .         .        LLLLLLLLLLLLLXXXXXXXX.
11212 123.         .         . O       .         .         .         .         .         .         .     LLLLLLLLXXXXXX.
11218 124.         .         .         .  O      .         .         .         .         .         .         .LLLLLXXXX.
11224 125.         .         .         .         .   O     .         .         .         .         .         .     LLXX.
11230 126.         .         .         .         .         .  O      .         .         .         .         .      LXX.
11236 127.         .         .         .         .         .       O .         .         .         .         .      LXX.
11242 128.         .         .         .         .         .        O.         .         .         .         .      LLX.
11248 129.         .         .         .         .         .      O  .         .         .         .         .       LX.
11254 130.         .         .         .         .         . O       .         .         .         .         .       LX.
11300 131. . . . . . . . . . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11306 132.         .         .         .         O         .         .         .         .         .         .         .       LX.
11312 133.         .         .         .    O    .         .         .         .         .         .         .         .       LX.
11318 134.         .         .         . O       .         .         .         .         .         .         .         .       LX.
11324 135.         .         .       O .         .         .         .         .         .         .         .         .       LX.
11330 136.         .         .    O    .         .         .         .         .         .         .         .         .       LX.
11336 137.         .         .  O      .         .         .         .         .         .         .         .         .        X.
11342 138.         .         .O        .         .         .         .         .         .         .         .         .        X.
11348 139.         .        O.         .         .         .         .         .         .         .         .         .        X.
11354 140.         .       O .         .         .         .         .         .         .         .         .         .        X.
11400 141. . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
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11406 142.          .     O   .         .         .         .         .         .         .         .         .         .        X.
11412 143.          .    O    .         .         .         .         .         .         .         .         .         .        X.
11418 144.          .   O     .         .         .         .         .         .         .         .         .         .        X.
11424 145.          .  O      .         .         .         .         .         .         .         .         .         .        X.
11430 146.          .  O      .         .         .         .         .         .         .         .         .         .        X.
11436 147.          . O       .         .         .         .         .         .         .         .         .         .        X.
11442 148.          . O       .         .         .         .         .         .         .         .         .         .        X.
11448 149.          .O        .         .         .         .         .         .         .         .         .         .        L.
11454 150.          .O        .         .         .         .         .         .         .         .         .         .        X.
11500 151.. . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.          O         .         .         .         .         .         .         .         .         .         .        X.
11512 153.          O         .         .         .         .         .         .         .         .         .         .        L.
11518 154.          O         .         .         .         .         .         .         .         .         .         .        X.
11524 155.          O         .         .         .         .         .         .         .         .         .         .        L.
11530 156.         O.         .         .         .         .         .         .         .         .         .         .        L.
11536 157.         O.         .         .         .         .         .         .         .         .         .         .        X.
11542 158.         O.         .         .         .         .         .         .         .         .         .         .        L.
11548 159.         O.         .         .         .         .         .         .         .         .         .         .        L.
11554 160.         O.         .         .         .         .         .         .         .         .         .         .        L.
11600 161.. . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11606 162.        O .         .         .         .         .         .         .         .         .         .         .        L.
11612 163.        O .         .         .         .         .         .         .         .         .         .         .        L.
11618 164.        O .         .         .         .         .         .         .         .         .         .         .        L.
11624 165.        O .         .         .         .         .         .         .         .         .         .         .        L.
11630 166.        O .         .         .         .         .         .         .         .         .         .         .         .
11636 167.        O .         .         .         .         .         .         .         .         .         .         .        L.
11642 168.       O  .         .         .         .         .         .         .         .         .         .         .        L.
11648 169.       O  .         .         .         .         .         .         .         .         .         .         .         .
11654 170.       O  .         .         .         .         .         .         .         .         .         .         .        L.
11700 171.. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.       O  .         .         .         .         .         .         .         .         .         .         .         .
11712 173.      O   .         .         .         .         .         .         .         .         .         .         .        L.
11718 174.      O   .         .         .         .         .         .         .         .         .         .         .         .
11724 175.      O   .         .         .         .         .         .         .         .         .         .         .        L.
11730 176.     O    .         .         .         .         .         .         .         .         .         .         .         .
11736 177.     O    .         .         .         .         .         .         .         .         .         .         .         .
11742 178.     O    .         .         .         .         .         .         .         .         .         .         .        L.
11748 179.     O    .         .         .         .         .         .         .         .         .         .         .         .
11754 180.     O    .         .         .         .         .         .         .         .         .         .         .         .
11800 181.. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11806 182.     O    .         .         .         .         .         .         .         .         .         .         .         .
11812 183.    O     .         .         .         .         .         .         .         .         .         .         .         .
11818 184.    O     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.    O     .         .         .         .         .         .         .         .         .         .         .         .
11830 186.    O     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.    O     .         .         .         .         .         .         .         .         .         .         .        L.
11842 188.    O     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.    O     .         .         .         .         .         .         .         .         .         .         .         .
11854 190.    O     .         .         .         .         .         .         .         .         .         .         .         .
11900 191.. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11906 192.    O     .         .         .         .         .         .         .         .         .         .         .         .
11912 193.    O     .         .         .         .         .         .         .         .         .         .         .         .
11918 194.    O     .         .         .         .         .         .         .         .         .         .         .        L.
11924 195.    O     .         .         .         .         .         .         .         .         .         .         .         .
11930 196.    O     .         .         .         .         .         .         .         .         .         .         .         .
11936 197.    O     .         .         .         .         .         .         .         .         .         .         .         .
11942 198.    O     .         .         .         .         .         .         .         .         .         .         .         .
11948 199.    O     .         .         .         .         .         .         .         .         .         .         .         .
11954 200.    O     .         .         .         .         .         .         .         .         .         .         .         .
12000 201.. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.    O     .         .         .         .         .         .         .         .         .         .         .         .
12012 203.   O      .         .         .         .         .         .         .         .         .         .         .         .
12018 204.   O      .         .         .         .         .         .         .         .         .         .         .         .
12024 205.   O      .         .         .         .         .         .         .         .         .         .         .         .
12030 206.   O      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.   O      .         .         .         .         .         .         .         .         .         .         .         .
12042 208.   O      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.   O      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.   O      .         .         .         .         .         .         .         .         .         .         .         .
12100 211.. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.   O      .         .         .         .         .         .         .         .         .         .         .        L.
12112 213.   O      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.   O      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.   O      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.   O      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.   O      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.   O      .         .         .         .         .         .         .         .         .         .         .         .
12148 219.   O      .         .         .         .         .         .         .         .         .         .         .         .
12154 220.   O      .         .         .         .         .         .         .         .         .         .         .         .
12200 221.. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
12206 222.   O      .         .         .         .         .         .         .         .         .         .         .         .
12212 223.   O      .         .         .         .         .         .         .         .         .         .         .         .
12218 224.   O      .         .         .         .         .         .         .         .         .         .         .         .
12224 225.   O      .         .         .         .         .         .         .         .         .         .         .         .
12230 226.   O      .         .         .         .         .         .         .         .         .         .         .         .
12236 227.   O      .         .         .         .         .         .         .         .         .         .         .         .
12242 228.   O      .         .         .         .         .         .         .         .         .         .         .         .
12248 229.   O      .         .         .         .         .         .         .         .         .         .         .         .
12254 230.   O      .         .         .         .         .         .         .         .         .         .         .         .
12300 231.. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.   O      .         .         .         .         .         .         .         .         .         .         .         .
12312 233.   O      .         .         .         .         .         .         .         .         .         .         .         .
12318 234.   O      .         .         .         .         .         .         .         .         .         .         .         .
12324 235.   O      .         .         .         .         .         .         .         .         .         .         .         .
12330 236.   O      .         .         .         .         .         .         .         .         .         .         .         .
12336 237.   O      .         .         .         .         .         .         .         .         .         .         .         .
12342 238.   O      .         .         .         .         .         .         .         .         .         .         .         .
12348 239.   O      .         .         .         .         .         .         .         .         .         .         .         .
12354 240.   O      .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION   SUB B1
PLAN 1,   RATIO =   .76

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	1		1206	122	.51	.27	.25	10.
1		0006	2	.01	.01	.00	0.	1		1212	123	.33	.15	.18	15.
1		0012	3	.01	.01	.00	0.	1		1218	124	.21	.09	.12	21.
1		0018	4	.01	.01	.00	0.	1		1224	125	.10	.04	.06	28.
1		0024	5	.01	.01	.00	0.	1		1230	126	.08	.03	.05	33.
1		0030	6	.01	.01	.00	0.	1		1236	127	.07	.03	.04	36.
1		0036	7	.01	.01	.00	0.	1		1242	128	.07	.03	.04	36.
1		0042	8	.01	.01	.00	0.	1		1248	129	.05	.02	.03	34.
1		0048	9	.01	.01	.00	0.	1		1254	130	.05	.02	.03	31.
1		0054	10	.01	.01	.00	0.	1		1300	131	.05	.02	.03	27.
1		0100	11	.01	.01	.00	0.	1		1306	132	.04	.02	.03	24.
1		0106	12	.01	.01	.00	0.	1		1312	133	.05	.02	.03	21.
1		0112	13	.01	.01	.00	0.	1		1318	134	.04	.01	.02	18.
1		0118	14	.01	.01	.00	0.	1		1324	135	.04	.02	.03	16.
1		0124	15	.01	.01	.00	0.	1		1330	136	.04	.01	.02	15.
1		0130	16	.01	.01	.00	0.	1		1336	137	.03	.01	.02	13.
1		0136	17	.01	.01	.00	0.	1		1342	138	.04	.01	.02	12.
1		0142	18	.01	.01	.00	0.	1		1348	139	.03	.01	.02	11.
1		0148	19	.01	.01	.00	0.	1		1354	140	.03	.01	.02	10.
1		0154	20	.01	.01	.00	0.	1		1400	141	.03	.01	.02	10.
1		0200	21	.01	.01	.00	0.	1		1406	142	.03	.01	.02	9.
1		0206	22	.01	.01	.00	0.	1		1412	143	.03	.01	.02	8.
1		0212	23	.01	.01	.00	0.	1		1418	144	.02	.01	.02	8.
1		0218	24	.01	.01	.00	0.	1		1424	145	.02	.01	.02	8.
1		0224	25	.01	.01	.00	0.	1		1430	146	.03	.01	.02	7.
1		0230	26	.01	.01	.00	0.	1		1436	147	.02	.01	.02	7.
1		0236	27	.01	.01	.00	0.	1		1442	148	.02	.01	.02	7.
1		0242	28	.01	.01	.00	0.	1		1448	149	.02	.01	.01	6.
1		0248	29	.01	.01	.00	0.	1		1454	150	.02	.01	.02	6.
1		0254	30	.01	.01	.00	0.	1		1500	151	.02	.01	.02	6.
1		0300	31	.01	.01	.00	0.	1		1506	152	.02	.01	.02	6.
1		0306	32	.01	.01	.00	0.	1		1512	153	.02	.01	.01	6.
1		0312	33	.01	.01	.00	0.	1		1518	154	.02	.01	.02	5.
1		0318	34	.01	.01	.00	0.	1		1524	155	.02	.01	.01	5.
1		0324	35	.01	.01	.00	0.	1		1530	156	.02	.01	.01	5.
1		0330	36	.01	.01	.00	0.	1		1536	157	.02	.01	.02	5.
1		0336	37	.01	.01	.00	0.	1		1542	158	.02	.01	.01	5.
1		0342	38	.01	.01	.00	0.	1		1548	159	.02	.01	.01	5.
1		0348	39	.01	.01	.00	0.	1		1554	160	.02	.01	.01	5.
1		0354	40	.01	.01	.00	0.	1		1600	161	.02	.01	.01	5.
1		0400	41	.01	.01	.00	0.	1		1606	162	.02	.01	.01	5.
1		0406	42	.01	.01	.00	0.	1		1612	163	.02	.01	.01	4.
1		0412	43	.01	.01	.00	0.	1		1618	164	.02	.01	.01	4.
1		0418	44	.01	.01	.00	0.	1		1624	165	.02	.01	.01	4.
1		0424	45	.01	.01	.00	0.	1		1630	166	.01	.00	.01	4.
1		0430	46	.01	.01	.00	0.	1		1636	167	.02	.01	.01	4.
1		0436	47	.01	.01	.00	0.	1		1642	168	.02	.01	.01	4.
1		0442	48	.01	.01	.00	0.	1		1648	169	.01	.00	.01	4.
1		0448	49	.01	.01	.00	0.	1		1654	170	.01	.00	.01	4.
1		0454	50	.01	.01	.00	0.	1		1700	171	.01	.00	.00	4.
1		0500	51	.01	.01	.00	0.	1		1706	172	.01	.00	.01	4.
1		0506	52	.01	.01	.00	0.	1		1712	173	.01	.00	.01	3.
1		0512	53	.01	.01	.00	0.	1		1718	174	.01	.00	.01	3.
1		0518	54	.01	.01	.00	0.	1		1724	175	.01	.00	.01	3.
1		0524	55	.01	.01	.00	0.	1		1730	176	.01	.00	.00	3.
1		0530	56	.01	.01	.00	0.	1		1736	177	.01	.00	.01	3.
1		0536	57	.01	.01	.00	0.	1		1742	178	.01	.00	.01	3.
1		0542	58	.01	.01	.00	0.	1		1748	179	.01	.00	.00	3.
1		0548	59	.01	.01	.00	0.	1		1754	180	.01	.00	.01	3.
1		0554	60	.01	.01	.00	0.	1		1800	181	.01	.00	.01	3.
1		0600	61	.01	.01	.00	0.	1		1806	182	.01	.00	.00	2.
1		0606	62	.01	.01	.00	0.	1		1812	183	.01	.00	.01	2.
1		0612	63	.01	.01	.00	0.	1		1818	184	.01	.00	.00	2.
1		0618	64	.01	.01	.00	0.	1		1824	185	.01	.00	.01	2.
1		0624	65	.01	.01	.00	0.	1		1830	186	.01	.00	.00	2.
1		0630	66	.01	.01	.00	0.	1		1836	187	.01	.00	.01	2.
1		0636	67	.01	.01	.00	0.	1		1842	188	.01	.00	.00	2.
1		0642	68	.01	.01	.00	0.	1		1848	189	.01	.00	.01	2.
1		0648	69	.01	.01	.00	0.	1		1854	190	.01	.00	.00	2.
1		0654	70	.01	.01	.00	0.	1		1900	191	.01	.00	.01	2.
1		0700	71	.01	.01	.00	0.	1		1906	192	.01	.00	.00	2.
1		0706	72	.01	.01	.00	0.	1		1912	193	.01	.00	.00	2.
1		0712	73	.01	.01	.00	0.	1		1918	194	.01	.00	.01	2.
1		0718	74	.01	.01	.00	0.	1		1924	195	.01	.00	.00	2.
1		0724	75	.01	.01	.00	0.	1		1930	196	.01	.00	.01	2.
1		0730	76	.02	.02	.00	0.	1		1936	197	.01	.00	.00	2.
1		0736	77	.02	.02	.00	0.	1		1942	198	.01	.00	.00	2.
1		0742	78	.02	.02	.00	0.	1		1948	199	.01	.00	.01	2.
1		0748	79	.02	.02	.00	0.	1		1954	200	.01	.00	.00	2.
1		0754	80	.02	.02	.00	0.	1		2000	201	.01	.00	.00	2.
1		0800	81	.02	.02	.00	0.	1		2006	202	.01	.00	.00	2.
1		0806	82	.02	.02	.00	0.	1		2012	203	.01	.00	.01	2.
1		0812	83	.02	.02	.00	0.	1		2018	204	.01	.00	.00	2.
1		0818	84	.02	.02	.00	0.	1		2024	205	.01	.00	.00	2.
1		0824	85	.02	.02	.00	0.	1		2030	206	.01	.00	.00	2.
1		0830	86	.02	.02	.00	0.	1		2036	207	.01	.00	.01	2.
1		0836	87	.02	.02	.00	0.	1		2042	208	.01	.00	.00	2.
1		0842	88	.02	.02	.00	0.	1		2048	209	.01	.00	.00	2.
1		0848	89	.02	.02	.00	0.	1		2054	210	.01	.00	.00	2.
1		0854	90	.02	.02	.00	0.	1		2100	211	.01	.00	.00	2.
1		0900	91	.02	.02	.00	0.	1		2106	212	.01	.00	.01	2.
1		0906	92	.02	.02	.00	0.	1		2112	213	.01	.00	.00	2.
1		0912	93	.02	.02	.00	0.	1		2118	214	.01	.00	.00	2.
1		0918	94	.02	.02	.00	0.	1		2124	215	.01	.00	.00	2.
1		0924	95	.02	.02	.00	0.	1		2130	216	.01	.00	.00	2.
1		0930	96	.02	.02	.00	0.	1		2136	217	.01	.00	.00	2.
1		0936	97	.02	.02	.00	0.	1		2142	218	.01	.00	.00	2.
1		0942	98	.03	.03	.00	0.	1		2148	219	.01	.00	.00	2.
1		0948	99	.02	.02	.00	0.	1		2154	220	.01	.00	.00	2.
1		0954	100	.03	.03	.00	0.	1		2200	221	.01	.00	.01	2.
1		1000	101	.02	.02	.00	0.	1		2206	222	.01	.00	.00	2.

1	1006	102	.03	.03	.00	0.	*	1	2212	223	.01	.00	.00	2.
1	1012	103	.03	.03	.00	0.	*	1	2218	224	.01	.00	.00	2.
1	1018	104	.04	.04	.00	0.	*	1	2224	225	.01	.00	.00	2.
1	1024	105	.03	.03	.00	0.	*	1	2230	226	.01	.00	.00	2.
1	1030	106	.04	.03	.00	0.	*	1	2236	227	.01	.00	.00	2.
1	1036	107	.04	.03	.00	0.	*	1	2242	228	.01	.00	.00	2.
1	1042	108	.04	.03	.00	0.	*	1	2248	229	.01	.00	.00	2.
1	1048	109	.04	.04	.00	0.	*	1	2254	230	.01	.00	.00	2.
1	1054	110	.04	.04	.00	0.	*	1	2300	231	.01	.00	.00	1.
1	1100	111	.05	.04	.01	1.	*	1	2306	232	.01	.00	.00	1.
1	1106	112	.05	.04	.01	1.	*	1	2312	233	.01	.00	.00	1.
1	1112	113	.05	.04	.01	1.	*	1	2318	234	.01	.00	.00	1.
1	1118	114	.06	.05	.01	1.	*	1	2324	235	.01	.00	.00	1.
1	1124	115	.07	.05	.01	1.	*	1	2330	236	.01	.00	.00	1.
1	1130	116	.07	.05	.01	2.	*	1	2336	237	.01	.00	.00	1.
1	1136	117	.09	.07	.02	2.	*	1	2342	238	.01	.00	.00	1.
1	1142	118	.10	.07	.02	2.	*	1	2348	239	.00	.00	.00	1.
1	1148	119	.21	.15	.06	3.	*	1	2354	240	.00	.00	.00	1.
1	1154	120	.32	.22	.11	4.	*	2	0000	241	.01	.00	.00	1.
1	1200	121	.51	.31	.21	6.	*							

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TOTAL RAINFALL =    6.10, TOTAL LOSS =    3.77, TOTAL EXCESS =    2.33

  PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR        24-HR        72-HR       24.00-HR
+   (CFS)       (HR)
                          (CFS)
+     36.       12.70                  10.          3.           3.           3.
                          (INCHES)    1.917       2.307        2.307        2.307
                          (AC-FT)       5.          6.           6.           6.

                          CUMULATIVE AREA =     .05 SQ MI

1                                                 STATION    SUB B1

                           (O) OUTFLOW
        0.          5.         10.        15.        20.        25.        30.        35.        40.        0.         0.         0.         0.
                                                                                                                    (L) PRECIP,  (X) EXCESS
        .0          .0          .0         .0         .0         .0         .0         .0         .0         .6         .4         .2         .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
 10530  560         .         .         .         .         .         .         .         .         .         .         .         .
 10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
 10542  580         .         .         .         .         .         .         .         .         .         .         .         .
 10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
 10554  600         .         .         .         .         .         .         .         .         .         .         .         .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
 10612  630         .         .         .         .         .         .         .         .         .         .         .         .
 10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
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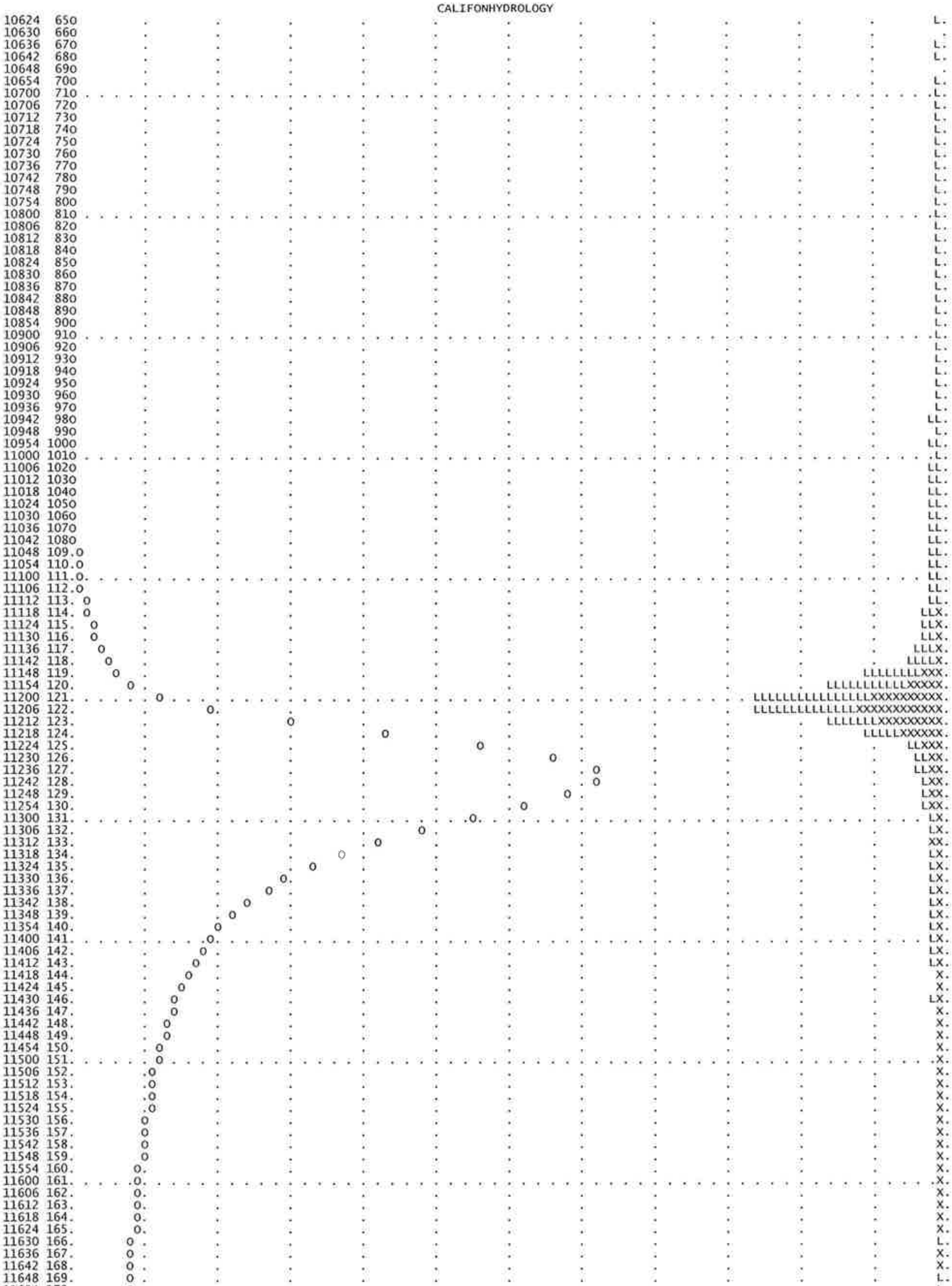
10624 650
10630 660
10636 670
10642 680
10648 690
10654 700
10700 710
10706 720
10712 730
10718 740
10724 750
10730 760
10736 770
10742 780
10748 790
10754 800
10800 810
10806 820
10812 830
10818 840
10824 850
10830 860
10836 870
10842 880
10848 890
10854 900
10900 910
10906 920
10912 930
10918 940
10924 950
10930 960
10936 970
10942 980
10948 990
10954 1000
11000 1010
11006 1020
11012 1030
11018 1040
11024 1050
11030 1060
11036 1070
11042 1080
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.

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11700 171. . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.       O .         .         .         .         .         .         .         .         .         .         .        L.
11712 173.       O .         .         .         .         .         .         .         .         .         .         .        L.
11718 174.       O .         .         .         .         .         .         .         .         .         .         .        L.
11724 175.     O   .         .         .         .         .         .         .         .         .         .         .        L.
11730 176.     O   .         .         .         .         .         .         .         .         .         .         .         .
11736 177.     O   .         .         .         .         .         .         .         .         .         .         .        L.
11742 178.    O    .         .         .         .         .         .         .         .         .         .         .        L.
11748 179.    O    .         .         .         .         .         .         .         .         .         .         .         .
11754 180.    O    .         .         .         .         .         .         .         .         .         .         .        L.
11800 181. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11806 182.    O    .         .         .         .         .         .         .         .         .         .         .         .
11812 183.    O    .         .         .         .         .         .         .         .         .         .         .        L.
11818 184.    O    .         .         .         .         .         .         .         .         .         .         .         .
11824 185.    O    .         .         .         .         .         .         .         .         .         .         .        L.
11830 186.    O    .         .         .         .         .         .         .         .         .         .         .         .
11836 187.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11842 188.   O     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11854 190.   O     .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11906 192.   O     .         .         .         .         .         .         .         .         .         .         .         .
11912 193.   O     .         .         .         .         .         .         .         .         .         .         .         .
11918 194.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11924 195.   O     .         .         .         .         .         .         .         .         .         .         .         .
11930 196.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11936 197.   O     .         .         .         .         .         .         .         .         .         .         .         .
11942 198.   O     .         .         .         .         .         .         .         .         .         .         .         .
11948 199.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11954 200.   O     .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.   O     .         .         .         .         .         .         .         .         .         .         .         .
12012 203.   O     .         .         .         .         .         .         .         .         .         .         .        L.
12018 204.   O     .         .         .         .         .         .         .         .         .         .         .         .
12024 205.   O     .         .         .         .         .         .         .         .         .         .         .         .
12030 206.   O     .         .         .         .         .         .         .         .         .         .         .         .
12036 207.   O     .         .         .         .         .         .         .         .         .         .         .        L.
12042 208.   O     .         .         .         .         .         .         .         .         .         .         .         .
12048 209.   O     .         .         .         .         .         .         .         .         .         .         .         .
12054 210.   O     .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  O      .         .         .         .         .         .         .         .         .         .         .        L.
12112 213.  O      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  O      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  O      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  O      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  O      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  O      .         .         .         .         .         .         .         .         .         .         .         .
12148 219.  O      .         .         .         .         .         .         .         .         .         .         .         .
12154 220.  O      .         .         .         .         .         .         .         .         .         .         .         .
12200 221. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
12206 222.  O      .         .         .         .         .         .         .         .         .         .         .         .
12212 223.  O      .         .         .         .         .         .         .         .         .         .         .         .
12218 224.  O      .         .         .         .         .         .         .         .         .         .         .         .
12224 225.  O      .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  O      .         .         .         .         .         .         .         .         .         .         .         .
12236 227.  O      .         .         .         .         .         .         .         .         .         .         .         .
12242 228.  O      .         .         .         .         .         .         .         .         .         .         .         .
12248 229.  O      .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  O      .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  O      .         .         .         .         .         .         .         .         .         .         .         .
12312 233.  O      .         .         .         .         .         .         .         .         .         .         .         .
12318 234.  O      .         .         .         .         .         .         .         .         .         .         .         .
12324 235.  O      .         .         .         .         .         .         .         .         .         .         .         .
12330 236.  O      .         .         .         .         .         .         .         .         .         .         .         .
12336 237.  O      .         .         .         .         .         .         .         .         .         .         .         .
12342 238.  O      .         .         .         .         .         .         .         .         .         .         .         .
12348 239.  O      .         .         .         .         .         .         .         .         .         .         .         .
12354 240.  O      .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--O------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB B1
PLAN 1, RATIO = .88

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DA	MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.	*	1	1206	122	.59	.27	.32	13.
1	0006	2	.01	.01	.00	0.	*	1	1212	123	.38	.16	.22	20.
1	0012	3	.01	.01	.00	0.	*	1	1218	124	.24	.09	.15	29.
1	0018	4	.01	.01	.00	0.	*	1	1224	125	.11	.04	.07	37.
1	0024	5	.01	.01	.00	0.	*	1	1230	126	.09	.03	.06	44.
1	0030	6	.01	.01	.00	0.	*	1	1236	127	.08	.03	.05	47.
1	0036	7	.01	.01	.00	0.	*	1	1242	128	.08	.03	.05	47.
1	0042	8	.01	.01	.00	0.	*	1	1248	129	.06	.02	.04	44.
1	0048	9	.01	.01	.00	0.	*	1	1254	130	.06	.02	.04	40.
1	0054	10	.01	.01	.00	0.	*	1	1300	131	.06	.02	.04	35.
1	0100	11	.01	.01	.00	0.	*	1	1306	132	.05	.02	.03	30.
1	0106	12	.01	.01	.00	0.	*	1	1312	133	.06	.02	.04	27.
1	0112	13	.01	.01	.00	0.	*	1	1318	134	.04	.01	.03	23.
1	0118	14	.01	.01	.00	0.	*	1	1324	135	.05	.02	.03	21.
1	0124	15	.01	.01	.00	0.	*	1	1330	136	.04	.01	.03	19.
1	0130	16	.01	.01	.00	0.	*	1	1336	137	.03	.01	.02	17.
1	0136	17	.01	.01	.00	0.	*	1	1342	138	.04	.01	.03	15.
1	0142	18	.01	.01	.00	0.	*	1	1348	139	.03	.01	.02	14.
1	0148	19	.01	.01	.00	0.	*	1	1354	140	.03	.01	.02	13.
1	0154	20	.01	.01	.00	0.	*	1	1400	141	.03	.01	.02	12.
1	0200	21	.01	.01	.00	0.	*	1	1406	142	.03	.01	.02	11.
1	0206	22	.01	.01	.00	0.	*	1	1412	143	.03	.01	.02	10.
1	0212	23	.01	.01	.00	0.	*	1	1418	144	.03	.01	.02	10.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.03	.01	.02	9.

1	0224	25	.01	.01	.00	0.	*	1	1430	146	.03	.01	.02	9.
1	0230	26	.01	.01	.00	0.	*	1	1436	147	.03	.01	.02	9.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.03	.01	.02	8.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.01	.01	8.
1	0248	29	.01	.01	.00	0.	*	1	1454	150	.03	.01	.02	8.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.03	.01	.02	7.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.03	.01	.02	7.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.01	.01	7.
1	0312	33	.01	.01	.00	0.	*	1	1518	154	.03	.01	.02	7.
1	0318	34	.01	.01	.00	0.	*	1	1524	155	.02	.01	.02	6.
1	0324	35	.01	.01	.00	0.	*	1	1530	156	.02	.01	.02	6.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.03	.01	.02	6.
1	0336	37	.01	.01	.00	0.	*	1	1542	158	.02	.01	.02	6.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.02	.01	.02	6.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.01	.02	6.
1	0354	40	.01	.01	.00	0.	*	1	1600	161	.02	.01	.02	6.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.01	.02	6.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.02	.01	.02	5.
1	0412	43	.01	.01	.00	0.	*	1	1618	164	.02	.01	.02	5.
1	0418	44	.01	.01	.00	0.	*	1	1624	165	.02	.01	.02	5.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	5.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.01	.02	5.
1	0436	47	.01	.01	.00	0.	*	1	1642	168	.02	.01	.02	5.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	5.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.01	.00	.01	5.
1	0454	50	.01	.01	.00	0.	*	1	1700	171	.01	.00	.01	5.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	4.
1	0506	52	.01	.01	.00	0.	*	1	1712	173	.01	.00	.01	4.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	4.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.01	.00	.01	4.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.01	.00	.01	4.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.01	.00	.01	3.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	3.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	3.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	3.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.01	.00	.01	3.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.01	.00	.01	3.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	3.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	3.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	3.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.01	.00	.01	3.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.01	.00	.01	3.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.01	.00	.01	3.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	3.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	3.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	3.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.01	.00	.01	3.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.01	.00	.01	3.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	3.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.01	.00	.01	2.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	2.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	2.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	2.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.01	.00	.01	2.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	2.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	2.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	2.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.01	.00	.01	2.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	2.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	2.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	2.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.01	.00	.01	2.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	2.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	2.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	2.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	2.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.01	.00	.01	2.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	2.
1	0912	93	.03	.03	.00	0.	*	1	2118	214	.01	.00	.01	2.
1	0918	94	.03	.03	.00	0.	*	1	2124	215	.01	.00	.01	2.
1	0924	95	.03	.03	.00	0.	*	1	2130	216	.01	.00	.01	2.
1	0930	96	.03	.03	.00	0.	*	1	2136	217	.01	.00	.01	2.
1	0936	97	.03	.03	.00	0.	*	1	2142	218	.01	.00	.01	2.
1	0942	98	.03	.03	.00	0.	*	1	2148	219	.01	.00	.01	2.
1	0948	99	.03	.03	.00	0.	*	1	2154	220	.01	.00	.01	2.
1	0954	100	.03	.03	.00	0.	*	1	2200	221	.01	.00	.01	2.
1	1000	101	.03	.03	.00	0.	*	1	2206	222	.01	.00	.01	2.
1	1006	102	.04	.03	.00	0.	*	1	2212	223	.01	.00	.01	2.
1	1012	103	.03	.03	.00	0.	*	1	2218	224	.01	.00	.01	2.
1	1018	104	.04	.04	.00	0.	*	1	2224	225	.01	.00	.01	2.
1	1024	105	.03	.03	.00	0.	*	1	2230	226	.01	.00	.01	2.
1	1030	106	.04	.04	.00	1.	*	1	2236	227	.01	.00	.01	2.
1	1036	107	.04	.04	.01	1.	*	1	2242	228	.01	.00	.01	2.
1	1042	108	.04	.04	.01	1.	*	1	2248	229	.01	.00	.01	2.
1	1048	109	.05	.04	.01	1.	*	1	2254	230	.01	.00	.01	2.
1	1054	110	.05	.04	.01	1.	*	1	2300	231	.01	.00	.01	2.
1	1100	111	.06	.05	.01	1.	*	1	2306	232	.01	.00	.01	2.
1	1106	112	.06	.04	.01	2.	*	1	2312	233	.01	.00	.01	2.
1	1112	113	.06	.04	.01	2.	*	1	2318	234	.01	.00	.01	2.
1	1118	114	.07	.05	.02	2.	*	1	2324	235	.01	.00	.01	2.
1	1124	115	.08	.06	.02	2.	*	1	2330	236	.01	.00	.01	2.
1	1130	116	.08	.06	.02	3.	*	1	2336	237	.01	.00	.01	2.
1	1136	117	.10	.07	.03	3.	*	1	2342	238	.01	.00	.01	2.
1	1142	118	.11	.08	.03	4.	*	1	2348	239	.00	.00	.00	2.
1	1148	119	.24	.16	.08	5.	*	1	2354	240	.00	.00	.00	2.
1	1154	120	.37	.22	.15	6.	*	2	0000	241	.01	.00	.01	2.
1	1200	121	.59	.31	.27	9.	*							

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TOTAL RAINFALL = 7.00, TOTAL LOSS = 4.00, TOTAL EXCESS = 3.00

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
		6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)				
		(CFS)			

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                                                                  CALIFONHYDROLOGY
+        47.       12.60                    13.          4.           4.           4.
                              (INCHES)     2.462       2.967        2.967        2.967
                              (AC-FT)         7.          8.           8.           8.

                              CUMULATIVE AREA =      .05 SQ MI

1                                                          STATION    SUB B1

                                (O) OUTFLOW
            0.        10.        20.        30.        40.        50.        0.        0.        0.        0.        0.        0.        0.
                                                                                                           (L) PRECIP,  (X) EXCESS
            .0        .0         .0         .0         .0         .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
 10000   10-------------------------------------------------------------------------------------------------------------------------.
 10006   20         .          .          .          .          .          .          .          .          .          .          .          .
 10012   30
 10018   40
 10024   50
 10030   60
 10036   70
 10042   80
 10048   90
 10054  100
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120
 10112  130
 10118  140
 10124  150
 10130  160
 10136  170
 10142  180
 10148  190
 10154  200
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220
 10212  230
 10218  240
 10224  250
 10230  260                                                                                                                        L.
 10236  270
 10242  280
 10248  290
 10254  300
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320
 10312  330                                                                                                                        L.
 10318  340
 10324  350
 10330  360
 10336  370
 10342  380                                                                                                                        L.
 10348  390
 10354  400
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420                                                                                                                        L.
 10412  430
 10418  440
 10424  450                                                                                                                        L.
 10430  460
 10436  470
 10442  480                                                                                                                        L.
 10448  490
 10454  500
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506  520
 10512  530                                                                                                                        L.
 10518  540
 10524  550                                                                                                                        L.
 10530  560
 10536  570                                                                                                                        L.
 10542  580
 10548  590                                                                                                                        L.
 10554  600
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10606  620                                                                                                                        L.
 10612  630
 10618  640                                                                                                                        L.
 10624  650                                                                                                                        L.
 10630  660
 10636  670                                                                                                                        L.
 10642  680                                                                                                                        L.
 10648  690
 10654  700                                                                                                                        L.
 10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10706  720                                                                                                                        L.
 10712  730                                                                                                                        L.
 10718  740                                                                                                                        L.
 10724  750                                                                                                                        L.
 10730  760                                                                                                                        L.
 10736  770                                                                                                                        L.
 10742  780                                                                                                                        L.
 10748  790                                                                                                                        L.
 10754  800                                                                                                                        L.
 10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10806  820                                                                                                                        L.
 10812  830                                                                                                                        L.
 10818  840                                                                                                                        L.
 10824  850                                                                                                                        L.
 10830  860                                                                                                                        L.
 10836  870                                                                                                                        L.
 10842  880                                                                                                                        L.
 10848  890                                                                                                                        L.
 10854  900                                                                                                                        L.
 10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10906  920                                                                                                                        L.
 10912  930                                                                                                                        L.
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10918  940                                                                                                                       L.
10924  950                                                                                                                       L.
10930  960                                                                                                                       L.
10936  970                                                                                                                       L.
10942  980                                                                                                                      LL.
10948  990                                                                                                                       L.
10954 1000                                                                                                                      LL.
11000 1010                                                                                                                      .L.
11006 1020                                                                                                                      LL.
11012 1030                                                                                                                      LL.
11018 1040                                                                                                                      LL.
11024 1050                                                                                                                      LL.
11030 106.O                                                                                                                     LL.
11036 107.O                                                                                                                     LL.
11042 108.O                                                                                                                     LL.
11048 109.O                                                                                                                     LL.
11054 110.O                                                                                                                     LL.
11100 111.O.                                                                                                                  .LLX.
11106 112. O                                                                                                                   LLX.
11112 113. O                                                                                                                   LLX.
11118 114. O                                                                                                                   LLX.
11124 115. O                                                                                                                  LLLX.
11130 116.  O                                                                                                                 LLLX.
11136 117.  O                                                                                                                LLLLX.
11142 118.   O                                                                                                              LLLLXX.
11148 119.    O                                                                                                      LLLLLLLLLXXXX.
11154 120.     O                                                                                             .LLLLLLLLLLLLXXXXXX.
11200 121.        O.                                                                               .LLLLLLLLLLLLLLLXXXXXXXXXXXXXX.
11206 122.            O                                                                            .LLLLLLLLLLLLLLXXXXXXXXXXXXXXXX.
11212 123.                   O                                                                               .LLLLLLLLXXXXXXXXXXX.
11218 124.                            O.                                                                             LLLLXXXXXXXX.
11224 125.                                    O                                                                            LLXXXX.
11230 126.                                           O                                                                     LLXXX.
11236 127.                                              O                                                                   LXXX.
11242 128.                                              O                                                                   LXXX.
11248 129.                                           O                                                                       LXX.
11254 130.                                       O                                                                           LXX.
11300 131.                                  .O.                                                                             .LXX.
11306 132.                             O                                                                                      XX.
11312 133.                          O                                                                                        LXX.
11318 134.                      O                                                                                             LX.
11324 135.                    .O                                                                                              XX.
11330 136.                  O.                                                                                                LX.
11336 137.                O                                                                                                   LX.
11342 138.              O                                                                                                     LX.
11348 139.             O                                                                                                      LX.
11354 140.            O                                                                                                       LX.
11400 141.           O                                                                                                        LX.
11406 142.          .O                                                                                                        LX.
11412 143.         O                                                                                                          LX.
11418 144.         O                                                                                                           X.
11424 145.        O.                                                                                                           X.
11430 146.        O.                                                                                                          LX.
11436 147.        O.                                                                                                           X.
11442 148.       O .                                                                                                           X.
11448 149.       O .                                                                                                           X.
11454 150.       O .                                                                                                           X.
11500 151.     .O.                                                                                                            .X.
11506 152.      O                                                                                                              X.
11512 153.      O                                                                                                              X.
11518 154.      O                                                                                                              X.
11524 155.     O                                                                                                               X.
11530 156.     O                                                                                                               X.
11536 157.     O                                                                                                               X.
11542 158.     O                                                                                                               X.
11548 159.     O                                                                                                               X.
11554 160.     O                                                                                                               X.
11600 161.     O                                                                                                              .X.
11606 162.     O                                                                                                               X.
11612 163.    O                                                                                                                X.
11618 164.    O                                                                                                                X.
11624 165.    O                                                                                                                X.
11630 166.    O                                                                                                                X.
11636 167.    O                                                                                                                X.
11642 168.    O                                                                                                                X.
11648 169.    O                                                                                                                X.
11654 170.    O                                                                                                                X.
11700 171.   .O.                                                                                                               .
11706 172.   O                                                                                                                 X.
11712 173.   O                                                                                                                 X.
11718 174.   O                                                                                                                 X.
11724 175.   O                                                                                                                 X.
11730 176.   O                                                                                                                  .
11736 177.  O                                                                                                                  X.
11742 178.  O                                                                                                                  X.
11748 179.  O                                                                                                                   .
11754 180.  O                                                                                                                  X.
11800 181. .O.                                                                                                                .X.
11806 182.  O                                                                                                                   .
11812 183.  O                                                                                                                  X.
11818 184.  O                                                                                                                   .
11824 185.  O                                                                                                                  X.
11830 186.  O                                                                                                                   .
11836 187.  O                                                                                                                  X.
11842 188.  O                                                                                                                   .
11848 189.  O                                                                                                                  X.
11854 190.  O                                                                                                                   .
11900 191. .O.                                                                                                                .X.
11906 192.  O                                                                                                                   .
11912 193.  O                                                                                                                   .
11918 194.  O                                                                                                                  X.
11924 195. O                                                                                                                    .
11930 196. O                                                                                                                   X.
11936 197. O                                                                                                                    .
11942 198. O                                                                                                                    .
11948 199. O                                                                                                                   X.
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11954 200. O       .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O       .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .        X.
12018 204. O       .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O       .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O       .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .        X.
12042 208. O       .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O       .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O       .         .         .         .         .         .         .         .         .         .         .         .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .        X.
12112 213. O       .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O       .         .         .         .         .         .         .         .         .         .         .         .
12136 217. O       .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O       .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O       .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O       .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O       .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O       .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O       .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O       .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O       .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O       .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O       .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O       .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O       .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O       .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O       .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O       .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O       .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O       .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O       .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O       .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB B1
PLAN 1, RATIO = 1.00

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.67	.27	.40	18.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.43	.16	.28	27.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.28	.09	.19	38.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.13	.04	.09	48.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.10	.03	.07	56.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.10	.03	.07	60.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.09	.03	.06	60.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.07	.02	.05	56.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.07	.02	.05	50.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.02	.05	44.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.06	.02	.04	38.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.02	.05	33.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.05	.01	.03	29.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.06	.02	.04	26.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.05	.01	.03	23.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.04	.01	.03	21.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.05	.01	.04	19.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.04	.01	.03	17.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.04	.01	.03	16.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.04	.01	.03	15.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.04	.01	.03	14.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.04	.01	.03	13.
1		0212	23	.01	.01	.00	0.	*	1		1418	144	.03	.01	.02	12.
1		0218	24	.01	.01	.00	0.	*	1		1424	145	.03	.01	.02	11.
1		0224	25	.01	.01	.00	0.	*	1		1430	146	.04	.01	.03	11.
1		0230	26	.02	.02	.00	0.	*	1		1436	147	.03	.01	.02	10.
1		0236	27	.01	.01	.00	0.	*	1		1442	148	.03	.01	.02	10.
1		0242	28	.01	.01	.00	0.	*	1		1448	149	.02	.01	.02	10.
1		0248	29	.01	.01	.00	0.	*	1		1454	150	.03	.01	.02	9.
1		0254	30	.01	.01	.00	0.	*	1		1500	151	.03	.01	.02	9.
1		0300	31	.01	.01	.00	0.	*	1		1506	152	.03	.01	.02	9.
1		0306	32	.01	.01	.00	0.	*	1		1512	153	.02	.01	.02	8.
1		0312	33	.02	.02	.00	0.	*	1		1518	154	.03	.01	.02	8.
1		0318	34	.01	.01	.00	0.	*	1		1524	155	.02	.01	.02	8.
1		0324	35	.01	.01	.00	0.	*	1		1530	156	.02	.01	.02	8.
1		0330	36	.01	.01	.00	0.	*	1		1536	157	.03	.01	.02	7.
1		0336	37	.01	.01	.00	0.	*	1		1542	158	.02	.01	.02	7.
1		0342	38	.02	.02	.00	0.	*	1		1548	159	.02	.01	.02	7.
1		0348	39	.01	.01	.00	0.	*	1		1554	160	.02	.01	.02	7.
1		0354	40	.01	.01	.00	0.	*	1		1600	161	.02	.01	.02	7.
1		0400	41	.01	.01	.00	0.	*	1		1606	162	.02	.01	.02	7.
1		0406	42	.02	.02	.00	0.	*	1		1612	163	.02	.01	.02	7.
1		0412	43	.01	.01	.00	0.	*	1		1618	164	.02	.01	.02	6.
1		0418	44	.01	.01	.00	0.	*	1		1624	165	.02	.01	.02	6.
1		0424	45	.02	.02	.00	0.	*	1		1630	166	.02	.00	.01	6.
1		0430	46	.01	.01	.00	0.	*	1		1636	167	.02	.01	.02	6.
1		0436	47	.01	.01	.00	0.	*	1		1642	168	.02	.01	.02	6.
1		0442	48	.02	.02	.00	0.	*	1		1648	169	.02	.00	.01	6.
1		0448	49	.01	.01	.00	0.	*	1		1654	170	.02	.00	.01	6.
1		0454	50	.01	.01	.00	0.	*	1		1700	171	.01	.00	.01	6.
1		0500	51	.02	.02	.00	0.	*	1		1706	172	.02	.00	.01	5.
1		0506	52	.01	.01	.00	0.	*	1		1712	173	.02	.00	.01	5.
1		0512	53	.02	.02	.00	0.	*	1		1718	174	.02	.00	.01	5.

1	0518	54	.01	.01	.00	0.	*	1	1724	175	.02	.00	.01	5.
1	0524	55	.02	.02	.00	0.	*	1	1730	176	.01	.00	.01	4.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.02	.00	.01	4.
1	0536	57	.02	.02	.00	0.	*	1	1742	178	.02	.00	.01	4.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	4.
1	0548	59	.02	.02	.00	0.	*	1	1754	180	.02	.00	.01	4.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.02	.00	.01	4.
1	0600	61	.02	.02	.00	0.	*	1	1806	182	.01	.00	.01	4.
1	0606	62	.02	.02	.00	0.	*	1	1812	183	.02	.00	.01	4.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	3.
1	0618	64	.02	.02	.00	0.	*	1	1824	185	.02	.00	.01	3.
1	0624	65	.02	.02	.00	0.	*	1	1830	186	.01	.00	.01	3.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.02	.00	.01	3.
1	0636	67	.02	.02	.00	0.	*	1	1842	188	.01	.00	.01	3.
1	0642	68	.02	.02	.00	0.	*	1	1848	189	.02	.00	.01	3.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	3.
1	0654	70	.02	.02	.00	0.	*	1	1900	191	.02	.00	.01	3.
1	0700	71	.02	.02	.00	0.	*	1	1906	192	.01	.00	.01	3.
1	0706	72	.02	.02	.00	0.	*	1	1912	193	.01	.00	.01	3.
1	0712	73	.02	.02	.00	0.	*	1	1918	194	.02	.00	.01	3.
1	0718	74	.02	.02	.00	0.	*	1	1924	195	.01	.00	.01	3.
1	0724	75	.02	.02	.00	0.	*	1	1930	196	.02	.00	.01	3.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	3.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	3.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.02	.00	.01	3.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	3.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	3.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	3.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.02	.00	.01	3.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	3.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	3.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	3.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.02	.00	.01	3.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	3.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	3.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	3.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	3.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.02	.00	.01	3.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	3.
1	0912	93	.03	.03	.00	0.	*	1	2118	214	.01	.00	.01	2.
1	0918	94	.03	.03	.00	0.	*	1	2124	215	.01	.00	.01	3.
1	0924	95	.03	.03	.00	0.	*	1	2130	216	.01	.00	.01	2.
1	0930	96	.03	.03	.00	0.	*	1	2136	217	.01	.00	.01	2.
1	0936	97	.03	.03	.00	0.	*	1	2142	218	.01	.00	.01	2.
1	0942	98	.04	.04	.00	0.	*	1	2148	219	.01	.00	.01	2.
1	0948	99	.03	.03	.00	0.	*	1	2154	220	.01	.00	.01	2.
1	0954	100	.04	.04	.00	0.	*	1	2200	221	.02	.00	.01	2.
1	1000	101	.03	.03	.00	1.	*	1	2206	222	.01	.00	.01	2.
1	1006	102	.04	.03	.01	1.	*	1	2212	223	.01	.00	.01	2.
1	1012	103	.04	.03	.01	1.	*	1	2218	224	.01	.00	.01	2.
1	1018	104	.05	.04	.01	1.	*	1	2224	225	.01	.00	.01	2.
1	1024	105	.04	.03	.01	1.	*	1	2230	226	.01	.00	.01	2.
1	1030	106	.05	.04	.01	1.	*	1	2236	227	.01	.00	.01	2.
1	1036	107	.05	.04	.01	1.	*	1	2242	228	.01	.00	.01	2.
1	1042	108	.05	.04	.01	2.	*	1	2248	229	.01	.00	.01	2.
1	1048	109	.06	.04	.01	2.	*	1	2254	230	.01	.00	.01	2.
1	1054	110	.06	.04	.01	2.	*	1	2300	231	.01	.00	.01	2.
1	1100	111	.06	.05	.02	2.	*	1	2306	232	.01	.00	.01	2.
1	1106	112	.06	.05	.02	3.	*	1	2312	233	.01	.00	.01	2.
1	1112	113	.06	.05	.02	3.	*	1	2318	234	.01	.00	.01	2.
1	1118	114	.08	.06	.02	3.	*	1	2324	235	.01	.00	.01	2.
1	1124	115	.09	.06	.03	4.	*	1	2330	236	.01	.00	.01	2.
1	1130	116	.09	.06	.03	4.	*	1	2336	237	.01	.00	.01	2.
1	1136	117	.11	.07	.04	5.	*	1	2342	238	.01	.00	.01	2.
1	1142	118	.13	.08	.05	6.	*	1	2348	239	.00	.00	.00	2.
1	1148	119	.28	.17	.11	7.	*	1	2354	240	.00	.00	.00	2.
1	1154	120	.42	.23	.19	9.	*	2	0000	241	.01	.00	.01	2.
1	1200	121	.67	.32	.35	12.	*							
							*							

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    TOTAL RAINFALL =     8.00, TOTAL LOSS =     4.22, TOTAL EXCESS =     3.78

  PEAK FLOW       TIME                              MAXIMUM AVERAGE FLOW
                                        6-HR        24-HR       72-HR       24.00-HR
+    (CFS)        (HR)
                              (CFS)
+      60.        12.60                  17.          5.          5.          5.
                              (INCHES)  3.095       3.740       3.740       3.740
                              (AC-FT)     8.         10.         10.         10.

                              CUMULATIVE AREA =      .05 SQ MI

1                                                        STATION    SUB B1

                              (O) OUTFLOW
         0.        10.        20.        30.        40.        50.        60.        0.        0.        0.        0.        0.        0.
                                                                                                          (L) PRECIP,   (X) EXCESS
         .0         .0         .0         .0         .0         .0         .0        .0        .8        .6         .4         .2        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
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10136  170         .         .         .         .         .         .         .         .         .         .         .         .
10142  180         .         .         .         .         .         .         .         .         .         .         .         .
10148  190         .         .         .         .         .         .         .         .         .         .         .         .
10154  200         .         .         .         .         .         .         .         .         .         .         .         .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220         .         .         .         .         .         .         .         .         .         .         .         .
10212  230         .         .         .         .         .         .         .         .         .         .         .         .
10218  240         .         .         .         .         .         .         .         .         .         .         .         .
10224  250         .         .         .         .         .         .         .         .         .         .         .         .
10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
10236  270         .         .         .         .         .         .         .         .         .         .         .         .
10242  280         .         .         .         .         .         .         .         .         .         .         .         .
10248  290         .         .         .         .         .         .         .         .         .         .         .         .
10254  300         .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320         .         .         .         .         .         .         .         .         .         .         .         .
10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
10318  340         .         .         .         .         .         .         .         .         .         .         .         .
10324  350         .         .         .         .         .         .         .         .         .         .         .         .
10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
10354  400         .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
10412  430         .         .         .         .         .         .         .         .         .         .         .         .
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .       LL.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .       LL.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .       LL.
10918  940         .         .         .         .         .         .         .         .         .         .         .       LL.
10924  950         .         .         .         .         .         .         .         .         .         .         .       LL.
10930  960         .         .         .         .         .         .         .         .         .         .         .       LL.
10936  970         .         .         .         .         .         .         .         .         .         .         .       LL.
10942  980         .         .         .         .         .         .         .         .         .         .         .       LL.
10948  990         .         .         .         .         .         .         .         .         .         .         .       LL.
10954 1000         .         .         .         .         .         .         .         .         .         .         .       LL.
11000 101.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 102.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11012 103.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11018 104.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11024 105.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11030 106.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11036 107.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11042 108. O       .         .         .         .         .         .         .         .         .         .         .       LL.
11048 109. O       .         .         .         .         .         .         .         .         .         .         .      LLX.
11054 110. O       .         .         .         .         .         .         .         .         .         .         .      LLX.
11100 111. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.  O      .         .         .         .         .         .         .         .         .         .         .      LLX.
11112 113.  O      .         .         .         .         .         .         .         .         .         .         .      LLX.
11118 114.  O      .         .         .         .         .         .         .         .         .         .         .     LLLX.
11124 115.   O     .         .         .         .         .         .         .         .         .         .         .     LLLX.
11130 116.   O     .         .         .         .         .         .         .         .         .         .         .     LLLX.
11136 117.    O    .         .         .         .         .         .         .         .         .         .         .   LLLLXX.
11142 118.     O   .         .         .         .         .         .         .         .         .         .         .   LLLLXX.
11148 119.      O  .         .         .         .         .         .         .         .         .         .    LLLLLLLLXXXXXX.
11154 120.        O.         .         .         .         .         .         .         .         .  LLLLLLLLLLLXXXXXXXXXX.
11200 121. . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LLLLLLLLLLLLLLLLXXXXXXXXXXXXXXXXXX.
11206 122.         .     O   .         .         .         .         .         .         .  LLLLLLLLLLLLLLXXXXXXXXXXXXXXXXXXX.
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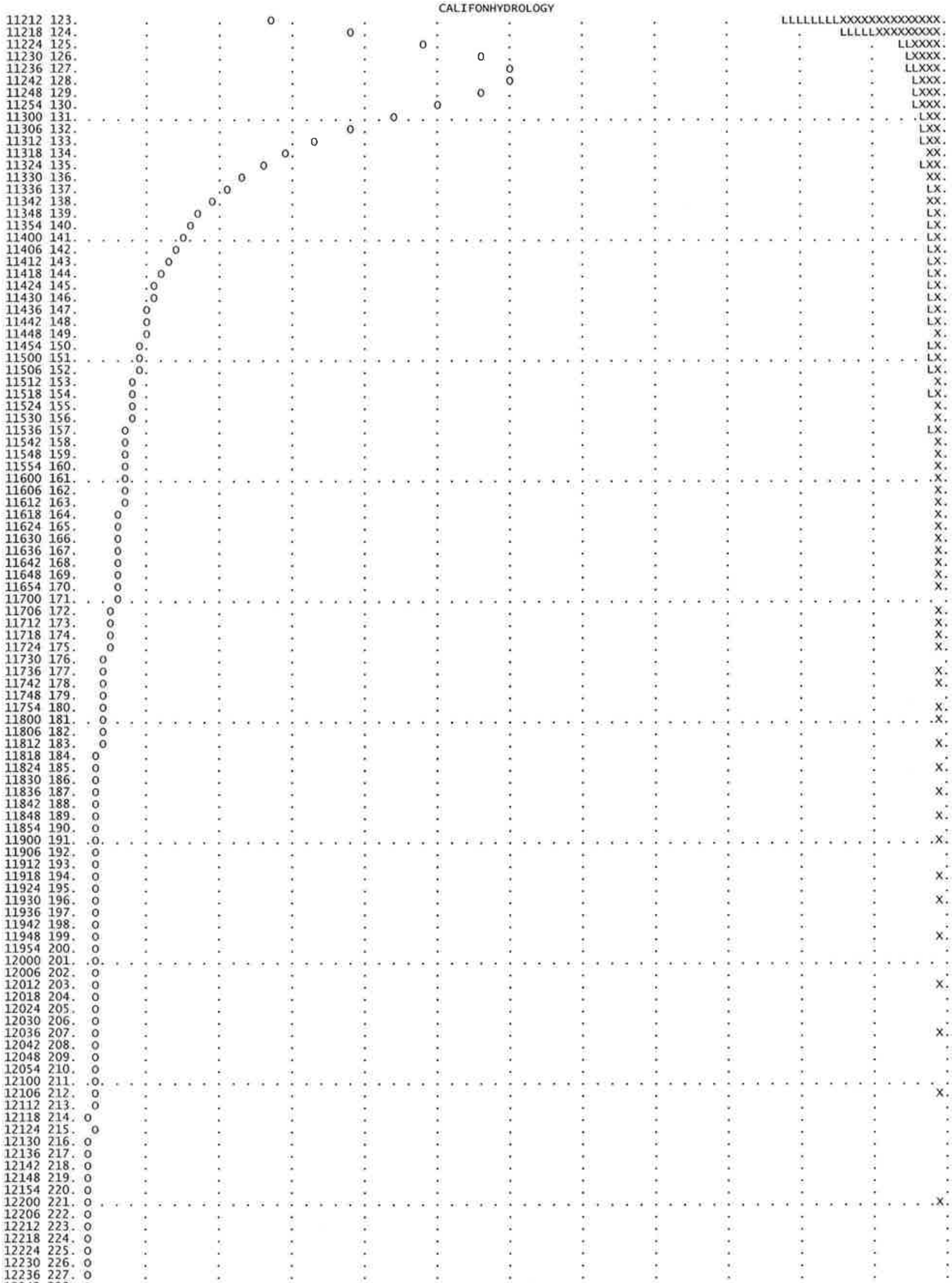

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12248 229. O         .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O         .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O         .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O         .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O         .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O         .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O         .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O         .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O         .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O         .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1

*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

               **************
               *            *
  80 KK        *   SUB B2   *        SUBAREA B2 WATERSHED AREA
               *            *
               **************

  82 KO             OUTPUT CONTROL VARIABLES
                          IPRNT          2  PRINT CONTROL
                          IPLOT          2  PLOT CONTROL
                          QSCAL         0.  HYDROGRAPH PLOT SCALE

                  SUBBASIN RUNOFF DATA

  83 BA             SUBBASIN CHARACTERISTICS
                          TAREA        .00  SUBBASIN AREA

                    PRECIPITATION DATA

  50 PB                   STORM       8.00  BASIN TOTAL PRECIPITATION

  52 PI               INCREMENTAL PRECIPITATION PATTERN
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .01       .00       .01       .00       .01       .01       .01       .01       .01       .01
                          .01       .01       .01       .01       .01       .01       .02       .03       .05       .08
                          .08       .05       .03       .02       .01       .01       .01       .01       .01       .01
                          .01       .01       .01       .01       .01       .00       .01       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                          .00       .00       .00       .00       .00       .00       .00       .00       .00       .00

  84 LS             SCS LOSS RATE
                          STRTL        .82  INITIAL ABSTRACTION
                         CRVNBR      71.00  CURVE NUMBER
                          RTIMP        .00  PERCENT IMPERVIOUS AREA

  85 UD             SCS DIMENSIONLESS UNITGRAPH
                          TLAG         .05  LAG

                                                         ***

                                                   UNIT HYDROGRAPH
                                                5 END-OF-PERIOD ORDINATES
                 13.         4.         1.         0.         0.
**************************************************************************************************************************************

                                                HYDROGRAPH AT STATION    SUB B2

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.67	.19	.48	8.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.43	.11	.32	6.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.28	.06	.22	4.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.13	.03	.10	2.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.10	.02	.08	2.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.10	.02	.08	1.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.09	.02	.07	1.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.07	.01	.06	1.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.07	.01	.06	1.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.01	.05	1.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.06	.01	.05	1.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.01	.05	1.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.05	.01	.04	1.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.06	.01	.05	1.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.05	.01	.04	1.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.04	.01	.03	1.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.05	.01	.04	1.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.04	.01	.03	1.

CALIFONHYDROLOGY

1	0148	19	.01	.01	.00	0.	*
1	0154	20	.01	.01	.00	0.	*
1	0200	21	.01	.01	.00	0.	*
1	0206	22	.01	.01	.00	0.	*
1	0212	23	.01	.01	.00	0.	*
1	0218	24	.01	.01	.00	0.	*
1	0224	25	.01	.01	.00	0.	*
1	0230	26	.02	.02	.00	0.	*
1	0236	27	.01	.01	.00	0.	*
1	0242	28	.01	.01	.00	0.	*
1	0248	29	.01	.01	.00	0.	*
1	0254	30	.01	.01	.00	0.	*
1	0300	31	.01	.01	.00	0.	*
1	0306	32	.01	.01	.00	0.	*
1	0312	33	.02	.02	.00	0.	*
1	0318	34	.01	.01	.00	0.	*
1	0324	35	.01	.01	.00	0.	*
1	0330	36	.01	.01	.00	0.	*
1	0336	37	.01	.01	.00	0.	*
1	0342	38	.02	.02	.00	0.	*
1	0348	39	.01	.01	.00	0.	*
1	0354	40	.01	.01	.00	0.	*
1	0400	41	.01	.01	.00	0.	*
1	0406	42	.02	.02	.00	0.	*
1	0412	43	.01	.01	.00	0.	*
1	0418	44	.01	.01	.00	0.	*
1	0424	45	.02	.02	.00	0.	*
1	0430	46	.01	.01	.00	0.	*
1	0436	47	.01	.01	.00	0.	*
1	0442	48	.02	.02	.00	0.	*
1	0448	49	.01	.01	.00	0.	*
1	0454	50	.01	.01	.00	0.	*
1	0500	51	.02	.02	.00	0.	*
1	0506	52	.01	.01	.00	0.	*
1	0512	53	.02	.02	.00	0.	*
1	0518	54	.01	.01	.00	0.	*
1	0524	55	.02	.02	.00	0.	*
1	0530	56	.01	.01	.00	0.	*
1	0536	57	.02	.02	.00	0.	*
1	0542	58	.01	.01	.00	0.	*
1	0548	59	.02	.02	.00	0.	*
1	0554	60	.01	.01	.00	0.	*
1	0600	61	.02	.02	.00	0.	*
1	0606	62	.02	.02	.00	0.	*
1	0612	63	.01	.01	.00	0.	*
1	0618	64	.02	.02	.00	0.	*
1	0624	65	.02	.02	.00	0.	*
1	0630	66	.01	.01	.00	0.	*
1	0636	67	.02	.02	.00	0.	*
1	0642	68	.02	.02	.00	0.	*
1	0648	69	.01	.01	.00	0.	*
1	0654	70	.02	.02	.00	0.	*
1	0700	71	.02	.02	.00	0.	*
1	0706	72	.02	.02	.00	0.	*
1	0712	73	.02	.02	.00	0.	*
1	0718	74	.02	.02	.00	0.	*
1	0724	75	.02	.02	.00	0.	*
1	0730	76	.02	.02	.00	0.	*
1	0736	77	.02	.02	.00	0.	*
1	0742	78	.02	.02	.00	0.	*
1	0748	79	.02	.02	.00	0.	*
1	0754	80	.02	.02	.00	0.	*
1	0800	81	.02	.02	.00	0.	*
1	0806	82	.02	.02	.00	0.	*
1	0812	83	.02	.02	.00	0.	*
1	0818	84	.02	.02	.00	0.	*
1	0824	85	.02	.02	.00	0.	*
1	0830	86	.02	.02	.00	0.	*
1	0836	87	.03	.03	.00	0.	*
1	0842	88	.02	.02	.00	0.	*
1	0848	89	.02	.02	.00	0.	*
1	0854	90	.03	.03	.00	0.	*
1	0900	91	.03	.03	.00	0.	*
1	0906	92	.02	.02	.00	0.	*
1	0912	93	.03	.03	.01	0.	*
1	0918	94	.03	.03	.01	0.	*
1	0924	95	.03	.03	.01	0.	*
1	0930	96	.03	.03	.01	0.	*
1	0936	97	.03	.03	.01	0.	*
1	0942	98	.04	.03	.01	0.	*
1	0948	99	.03	.02	.01	0.	*
1	0954	100	.04	.03	.01	0.	*
1	1000	101	.03	.02	.01	0.	*
1	1006	102	.04	.03	.01	0.	*
1	1012	103	.04	.03	.01	0.	*
1	1018	104	.05	.03	.01	0.	*
1	1024	105	.04	.03	.01	0.	*
1	1030	106	.05	.03	.02	0.	*
1	1036	107	.05	.03	.02	0.	*
1	1042	108	.05	.03	.02	0.	*
1	1048	109	.06	.04	.02	0.	*
1	1054	110	.06	.03	.02	0.	*
1	1100	111	.06	.04	.03	0.	*
1	1106	112	.06	.04	.03	0.	*
1	1112	113	.06	.04	.03	0.	*
1	1118	114	.08	.05	.03	1.	*
1	1124	115	.09	.05	.04	1.	*
1	1130	116	.09	.05	.04	1.	*
1	1136	117	.11	.06	.05	1.	*
1	1142	118	.13	.06	.07	1.	*
1	1148	119	.28	.13	.15	2.	*
1	1154	120	.42	.17	.25	4.	*
1	1200	121	.67	.23	.44	7.	*

1	1354	140	.04	.01	.03	1.
1	1400	141	.04	.01	.03	1.
1	1406	142	.04	.01	.03	1.
1	1412	143	.04	.01	.03	1.
1	1418	144	.03	.01	.03	0.
1	1424	145	.03	.01	.03	0.
1	1430	146	.04	.01	.03	1.
1	1436	147	.03	.01	.03	0.
1	1442	148	.03	.01	.03	0.
1	1448	149	.02	.00	.02	0.
1	1454	150	.03	.01	.03	0.
1	1500	151	.03	.01	.03	0.
1	1506	152	.03	.01	.03	0.
1	1512	153	.02	.00	.02	0.
1	1518	154	.03	.01	.03	0.
1	1524	155	.02	.00	.02	0.
1	1530	156	.02	.00	.02	0.
1	1536	157	.03	.01	.03	0.
1	1542	158	.02	.00	.02	0.
1	1548	159	.02	.00	.02	0.
1	1554	160	.02	.00	.02	0.
1	1600	161	.02	.00	.02	0.
1	1606	162	.02	.00	.02	0.
1	1612	163	.02	.00	.02	0.
1	1618	164	.02	.00	.02	0.
1	1624	165	.02	.00	.02	0.
1	1630	166	.02	.00	.01	0.
1	1636	167	.02	.00	.02	0.
1	1642	168	.02	.00	.02	0.
1	1648	169	.02	.00	.01	0.
1	1654	170	.02	.00	.01	0.
1	1700	171	.01	.00	.01	0.
1	1706	172	.02	.00	.01	0.
1	1712	173	.02	.00	.01	0.
1	1718	174	.02	.00	.01	0.
1	1724	175	.02	.00	.01	0.
1	1730	176	.01	.00	.01	0.
1	1736	177	.02	.00	.01	0.
1	1742	178	.02	.00	.01	0.
1	1748	179	.01	.00	.01	0.
1	1754	180	.02	.00	.01	0.
1	1800	181	.02	.00	.01	0.
1	1806	182	.01	.00	.01	0.
1	1812	183	.02	.00	.01	0.
1	1818	184	.01	.00	.01	0.
1	1824	185	.02	.00	.01	0.
1	1830	186	.01	.00	.01	0.
1	1836	187	.02	.00	.01	0.
1	1842	188	.01	.00	.01	0.
1	1848	189	.02	.00	.01	0.
1	1854	190	.01	.00	.01	0.
1	1900	191	.02	.00	.01	0.
1	1906	192	.01	.00	.01	0.
1	1912	193	.01	.00	.01	0.
1	1918	194	.02	.00	.01	0.
1	1924	195	.01	.00	.01	0.
1	1930	196	.02	.00	.01	0.
1	1936	197	.01	.00	.01	0.
1	1942	198	.01	.00	.01	0.
1	1948	199	.02	.00	.01	0.
1	1954	200	.01	.00	.01	0.
1	2000	201	.01	.00	.01	0.
1	2006	202	.01	.00	.01	0.
1	2012	203	.02	.00	.01	0.
1	2018	204	.01	.00	.01	0.
1	2024	205	.01	.00	.01	0.
1	2030	206	.01	.00	.01	0.
1	2036	207	.02	.00	.01	0.
1	2042	208	.01	.00	.01	0.
1	2048	209	.01	.00	.01	0.
1	2054	210	.01	.00	.01	0.
1	2100	211	.01	.00	.01	0.
1	2106	212	.02	.00	.01	0.
1	2112	213	.01	.00	.01	0.
1	2118	214	.01	.00	.01	0.
1	2124	215	.01	.00	.01	0.
1	2130	216	.01	.00	.01	0.
1	2136	217	.01	.00	.01	0.
1	2142	218	.01	.00	.01	0.
1	2148	219	.01	.00	.01	0.
1	2154	220	.01	.00	.01	0.
1	2200	221	.02	.00	.01	0.
1	2206	222	.01	.00	.01	0.
1	2212	223	.01	.00	.01	0.
1	2218	224	.01	.00	.01	0.
1	2224	225	.01	.00	.01	0.
1	2230	226	.01	.00	.01	0.
1	2236	227	.01	.00	.01	0.
1	2242	228	.01	.00	.01	0.
1	2248	229	.01	.00	.01	0.
1	2254	230	.01	.00	.01	0.
1	2300	231	.01	.00	.01	0.
1	2306	232	.01	.00	.01	0.
1	2312	233	.01	.00	.01	0.
1	2318	234	.01	.00	.01	0.
1	2324	235	.01	.00	.01	0.
1	2330	236	.01	.00	.01	0.
1	2336	237	.01	.00	.01	0.
1	2342	238	.01	.00	.01	0.
1	2348	239	.00	.00	.00	0.
1	2354	240	.00	.00	.00	0.
2	0000	241	.01	.00	.01	0.

CALIFONHYDROLOGY

TOTAL RAINFALL = 8.00, TOTAL LOSS = 3.42, TOTAL EXCESS = 4.58

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	24.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	8.	12.10		1.	0.	0.	0.
			(INCHES)	3.731	4.574	4.574	4.574
			(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .00 SQ MI

****

HYDROGRAPH AT STATION SUB B2
PLAN 1, RATIO = .54

****

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.00	.00	.00	0.
1		0012	3	.00	.00	.00	0.
1		0018	4	.00	.00	.00	0.
1		0024	5	.00	.00	.00	0.
1		0030	6	.00	.00	.00	0.
1		0036	7	.00	.00	.00	0.
1		0042	8	.00	.00	.00	0.
1		0048	9	.00	.00	.00	0.
1		0054	10	.00	.00	.00	0.
1		0100	11	.00	.00	.00	0.
1		0106	12	.00	.00	.00	0.
1		0112	13	.00	.00	.00	0.
1		0118	14	.00	.00	.00	0.
1		0124	15	.00	.00	.00	0.
1		0130	16	.00	.00	.00	0.
1		0136	17	.00	.00	.00	0.
1		0142	18	.00	.00	.00	0.
1		0148	19	.00	.00	.00	0.
1		0154	20	.00	.00	.00	0.
1		0200	21	.00	.00	.00	0.
1		0206	22	.00	.00	.00	0.
1		0212	23	.00	.00	.00	0.
1		0218	24	.00	.00	.00	0.
1		0224	25	.00	.00	.00	0.
1		0230	26	.01	.01	.00	0.
1		0236	27	.00	.00	.00	0.
1		0242	28	.00	.00	.00	0.
1		0248	29	.00	.00	.00	0.
1		0254	30	.00	.00	.00	0.
1		0300	31	.00	.00	.00	0.
1		0306	32	.00	.00	.00	0.
1		0312	33	.01	.01	.00	0.
1		0318	34	.00	.00	.00	0.
1		0324	35	.00	.00	.00	0.
1		0330	36	.00	.00	.00	0.
1		0336	37	.00	.00	.00	0.
1		0342	38	.01	.01	.00	0.
1		0348	39	.00	.00	.00	0.
1		0354	40	.00	.00	.00	0.
1		0400	41	.00	.00	.00	0.
1		0406	42	.01	.01	.00	0.
1		0412	43	.00	.00	.00	0.
1		0418	44	.00	.00	.00	0.
1		0424	45	.01	.01	.00	0.
1		0430	46	.00	.00	.00	0.
1		0436	47	.00	.00	.00	0.
1		0442	48	.01	.01	.00	0.
1		0448	49	.00	.00	.00	0.
1		0454	50	.00	.00	.00	0.
1		0500	51	.01	.01	.00	0.
1		0506	52	.00	.00	.00	0.
1		0512	53	.01	.01	.00	0.
1		0518	54	.00	.00	.00	0.
1		0524	55	.01	.01	.00	0.
1		0530	56	.00	.00	.00	0.
1		0536	57	.01	.01	.00	0.
1		0542	58	.00	.00	.00	0.
1		0548	59	.01	.01	.00	0.
1		0554	60	.00	.00	.00	0.
1		0600	61	.01	.01	.00	0.
1		0606	62	.01	.01	.00	0.
1		0612	63	.00	.00	.00	0.
1		0618	64	.01	.01	.00	0.
1		0624	65	.01	.01	.00	0.
1		0630	66	.00	.00	.00	0.
1		0636	67	.01	.01	.00	0.
1		0642	68	.01	.01	.00	0.
1		0648	69	.00	.00	.00	0.
1		0654	70	.01	.01	.00	0.
1		0700	71	.01	.01	.00	0.
1		0706	72	.01	.01	.00	0.
1		0712	73	.01	.01	.00	0.
1		0718	74	.01	.01	.00	0.
1		0724	75	.01	.01	.00	0.
1		0730	76	.01	.01	.00	0.
1		0736	77	.01	.01	.00	0.
1		0742	78	.01	.01	.00	0.
1		0748	79	.01	.01	.00	0.
1		0754	80	.01	.01	.00	0.
1		0800	81	.01	.01	.00	0.
1		0806	82	.01	.01	.00	0.
1		0812	83	.01	.01	.00	0.
1		0818	84	.01	.01	.00	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1206	122	.36	.19	.17	3.
1		1212	123	.23	.11	.12	2.
1		1218	124	.15	.07	.08	2.
1		1224	125	.07	.03	.04	1.
1		1230	126	.06	.02	.03	1.
1		1236	127	.05	.02	.03	1.
1		1242	128	.05	.02	.03	0.
1		1248	129	.04	.02	.02	0.
1		1254	130	.04	.02	.02	0.
1		1300	131	.03	.01	.02	0.
1		1306	132	.03	.01	.02	0.
1		1312	133	.03	.01	.02	0.
1		1318	134	.03	.01	.02	0.
1		1324	135	.03	.01	.02	0.
1		1330	136	.03	.01	.02	0.
1		1336	137	.02	.01	.01	0.
1		1342	138	.03	.01	.02	0.
1		1348	139	.02	.01	.01	0.
1		1354	140	.02	.01	.01	0.
1		1400	141	.02	.01	.01	0.
1		1406	142	.02	.01	.01	0.
1		1412	143	.02	.01	.01	0.
1		1418	144	.02	.01	.01	0.
1		1424	145	.02	.01	.01	0.
1		1430	146	.02	.01	.01	0.
1		1436	147	.02	.01	.01	0.
1		1442	148	.02	.01	.01	0.
1		1448	149	.01	.00	.01	0.
1		1454	150	.02	.01	.01	0.
1		1500	151	.02	.01	.01	0.
1		1506	152	.02	.01	.01	0.
1		1512	153	.01	.00	.01	0.
1		1518	154	.02	.01	.01	0.
1		1524	155	.01	.00	.01	0.
1		1530	156	.01	.00	.01	0.
1		1536	157	.02	.01	.01	0.
1		1542	158	.01	.00	.01	0.
1		1548	159	.01	.00	.01	0.
1		1554	160	.01	.00	.01	0.
1		1600	161	.01	.00	.01	0.
1		1606	162	.01	.00	.01	0.
1		1612	163	.01	.00	.01	0.
1		1618	164	.01	.00	.01	0.
1		1624	165	.01	.00	.01	0.
1		1630	166	.01	.00	.01	0.
1		1636	167	.01	.00	.01	0.
1		1642	168	.01	.00	.01	0.
1		1648	169	.01	.00	.01	0.
1		1654	170	.01	.00	.01	0.
1		1700	171	.00	.00	.00	0.
1		1706	172	.01	.00	.01	0.
1		1712	173	.01	.00	.01	0.
1		1718	174	.01	.00	.01	0.
1		1724	175	.01	.00	.01	0.
1		1730	176	.00	.00	.00	0.
1		1736	177	.01	.00	.01	0.
1		1742	178	.01	.00	.01	0.
1		1748	179	.00	.00	.00	0.
1		1754	180	.01	.00	.01	0.
1		1800	181	.01	.00	.01	0.
1		1806	182	.00	.00	.00	0.
1		1812	183	.01	.00	.01	0.
1		1818	184	.00	.00	.00	0.
1		1824	185	.01	.00	.01	0.
1		1830	186	.00	.00	.00	0.
1		1836	187	.01	.00	.01	0.
1		1842	188	.00	.00	.00	0.
1		1848	189	.01	.00	.01	0.
1		1854	190	.00	.00	.00	0.
1		1900	191	.01	.00	.01	0.
1		1906	192	.00	.00	.00	0.
1		1912	193	.00	.00	.00	0.
1		1918	194	.01	.00	.01	0.
1		1924	195	.00	.00	.00	0.
1		1930	196	.01	.00	.01	0.
1		1936	197	.00	.00	.00	0.
1		1942	198	.00	.00	.00	0.
1		1948	199	.01	.00	.01	0.
1		1954	200	.00	.00	.00	0.
1		2000	201	.00	.00	.00	0.
1		2006	202	.00	.00	.00	0.
1		2012	203	.01	.00	.01	0.
1		2018	204	.00	.00	.00	0.
1		2024	205	.00	.00	.00	0.

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 1   0824   85   .01   .01   .00    0.   *   1   2030  206   .00   .00   .00    0.
 1   0830   86   .01   .01   .00    0.   *   1   2036  207   .01   .00   .01    0.
 1   0836   87   .02   .02   .00    0.   *   1   2042  208   .00   .00   .00    0.
 1   0842   88   .01   .01   .00    0.   *   1   2048  209   .00   .00   .00    0.
 1   0848   89   .01   .01   .00    0.   *   1   2054  210   .00   .00   .00    0.
 1   0854   90   .02   .02   .00    0.   *   1   2100  211   .00   .00   .00    0.
 1   0900   91   .02   .02   .00    0.   *   1   2106  212   .01   .00   .01    0.
 1   0906   92   .01   .01   .00    0.   *   1   2112  213   .00   .00   .00    0.
 1   0912   93   .02   .02   .00    0.   *   1   2118  214   .00   .00   .00    0.
 1   0918   94   .02   .02   .00    0.   *   1   2124  215   .00   .00   .00    0.
 1   0924   95   .02   .02   .00    0.   *   1   2130  216   .00   .00   .00    0.
 1   0930   96   .02   .02   .00    0.   *   1   2136  217   .00   .00   .00    0.
 1   0936   97   .02   .02   .00    0.   *   1   2142  218   .00   .00   .00    0.
 1   0942   98   .02   .02   .00    0.   *   1   2148  219   .00   .00   .00    0.
 1   0948   99   .02   .02   .00    0.   *   1   2154  220   .00   .00   .00    0.
 1   0954  100   .02   .02   .00    0.   *   1   2200  221   .01   .00   .01    0.
 1   1000  101   .02   .02   .00    0.   *   1   2206  222   .00   .00   .00    0.
 1   1006  102   .02   .02   .00    0.   *   1   2212  223   .00   .00   .00    0.
 1   1012  103   .02   .02   .00    0.   *   1   2218  224   .00   .00   .00    0.
 1   1018  104   .03   .03   .00    0.   *   1   2224  225   .00   .00   .00    0.
 1   1024  105   .02   .02   .00    0.   *   1   2230  226   .00   .00   .00    0.
 1   1030  106   .03   .02   .00    0.   *   1   2236  227   .00   .00   .00    0.
 1   1036  107   .03   .02   .00    0.   *   1   2242  228   .00   .00   .00    0.
 1   1042  108   .03   .02   .00    0.   *   1   2248  229   .00   .00   .00    0.
 1   1048  109   .03   .03   .00    0.   *   1   2254  230   .00   .00   .00    0.
 1   1054  110   .03   .03   .00    0.   *   1   2300  231   .00   .00   .00    0.
 1   1100  111   .03   .03   .00    0.   *   1   2306  232   .00   .00   .00    0.
 1   1106  112   .03   .03   .00    0.   *   1   2312  233   .00   .00   .00    0.
 1   1112  113   .03   .03   .00    0.   *   1   2318  234   .00   .00   .00    0.
 1   1118  114   .04   .04   .01    0.   *   1   2324  235   .00   .00   .00    0.
 1   1124  115   .05   .04   .01    0.   *   1   2330  236   .00   .00   .00    0.
 1   1130  116   .05   .04   .01    0.   *   1   2336  237   .00   .00   .00    0.
 1   1136  117   .06   .05   .01    0.   *   1   2342  238   .00   .00   .00    0.
 1   1142  118   .07   .05   .02    0.   *   1   2348  239   .00   .00   .00    0.
 1   1148  119   .15   .11   .04    1.   *   1   2354  240   .00   .00   .00    0.
 1   1154  120   .23   .16   .07    1.   *   2   0000  241   .00   .00   .00    0.
 1   1200  121   .36   .22   .14    2.   *
                                           *
*****************************************************************************************************************************************

   TOTAL RAINFALL =    4.30, TOTAL LOSS =    2.70, TOTAL EXCESS =    1.60

  PEAK FLOW       TIME                        MAXIMUM AVERAGE FLOW
                                       6-HR        24-HR        72-HR       24.00-HR
+   (CFS)         (HR)
                              (CFS)
+      3.        12.10                   0.           0.           0.            0.
                           (INCHES)   1.325        1.601        1.601         1.601
                            (AC-FT)      0.           0.           0.            0.

                           CUMULATIVE AREA =      .00 SQ MI

1                                                    STATION    SUB B2

                         (O) OUTFLOW
         .0        .4        .8       1.2       1.6       2.0       2.4       2.8        .0        .0        .0        .0        .0
                                                                                                          (L) PRECIP,   (X) EXCESS
         .0        .0        .0        .0        .0        .0        .0        .0        .4        .3        .2        .1        .0
DAHRMN PER
 10000  10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006  20         .         .         .         .         .         .         .         .         .         .         .         .
 10012  30         .         .         .         .         .         .         .         .         .         .         .         .
 10018  40         .         .         .         .         .         .         .         .         .         .         .         .
 10024  50         .         .         .         .         .         .         .         .         .         .         .         .
 10030  60         .         .         .         .         .         .         .         .         .         .         .         .
 10036  70         .         .         .         .         .         .         .         .         .         .         .         .
 10042  80         .         .         .         .         .         .         .         .         .         .         .         .
 10048  90         .         .         .         .         .         .         .         .         .         .         .         .
 10054 100         .         .         .         .         .         .         .         .         .         .         .         .
 10100 110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106 120         .         .         .         .         .         .         .         .         .         .         .         .
 10112 130         .         .         .         .         .         .         .         .         .         .         .         .
 10118 140         .         .         .         .         .         .         .         .         .         .         .         .
 10124 150         .         .         .         .         .         .         .         .         .         .         .         .
 10130 160         .         .         .         .         .         .         .         .         .         .         .         .
 10136 170         .         .         .         .         .         .         .         .         .         .         .         .
 10142 180         .         .         .         .         .         .         .         .         .         .         .         .
 10148 190         .         .         .         .         .         .         .         .         .         .         .         .
 10154 200         .         .         .         .         .         .         .         .         .         .         .         .
 10200 210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206 220         .         .         .         .         .         .         .         .         .         .         .         .
 10212 230         .         .         .         .         .         .         .         .         .         .         .         .
 10218 240         .         .         .         .         .         .         .         .         .         .         .         .
 10224 250         .         .         .         .         .         .         .         .         .         .         .         .
 10230 260         .         .         .         .         .         .         .         .         .         .         .         L.
 10236 270         .         .         .         .         .         .         .         .         .         .         .         .
 10242 280         .         .         .         .         .         .         .         .         .         .         .         .
 10248 290         .         .         .         .         .         .         .         .         .         .         .         .
 10254 300         .         .         .         .         .         .         .         .         .         .         .         .
 10300 310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306 320         .         .         .         .         .         .         .         .         .         .         .         .
 10312 330         .         .         .         .         .         .         .         .         .         .         .         L.
 10318 340         .         .         .         .         .         .         .         .         .         .         .         .
 10324 350         .         .         .         .         .         .         .         .         .         .         .         .
 10330 360         .         .         .         .         .         .         .         .         .         .         .         .
 10336 370         .         .         .         .         .         .         .         .         .         .         .         .
 10342 380         .         .         .         .         .         .         .         .         .         .         .         L.
 10348 390         .         .         .         .         .         .         .         .         .         .         .         .
 10354 400         .         .         .         .         .         .         .         .         .         .         .         .
 10400 410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406 420         .         .         .         .         .         .         .         .         .         .         .         L.
 10412 430         .         .         .         .         .         .         .         .         .         .         .         .
 10418 440         .         .         .         .         .         .         .         .         .         .         .         .
 10424 450         .         .         .         .         .         .         .         .         .         .         .         L.
 10430 460         .         .         .         .         .         .         .         .         .         .         .         .
 10436 470         .         .         .         .         .         .         .         .         .         .         .         .
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10442  480                                                                                  L.
10448  490                                                                                   .
10454  500                                                                                   .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520                                                                                   .
10512  530                                                                                  L.
10518  540                                                                                   .
10524  550                                                                                  L.
10530  560                                                                                   .
10536  570                                                                                  L.
10542  580                                                                                   .
10548  590                                                                                  L.
10554  600                                                                                   .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620                                                                                  L.
10612  630                                                                                   .
10618  640                                                                                  L.
10624  650                                                                                  L.
10630  660                                                                                   .
10636  670                                                                                  L.
10642  680                                                                                  L.
10648  690                                                                                   .
10654  700                                                                                  L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720                                                                                  L.
10712  730                                                                                  L.
10718  740                                                                                  L.
10724  750                                                                                  L.
10730  760                                                                                  L.
10736  770                                                                                  L.
10742  780                                                                                  L.
10748  790                                                                                  L.
10754  800                                                                                  L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820                                                                                  L.
10812  830                                                                                  L.
10818  840                                                                                  L.
10824  850                                                                                  L.
10830  860                                                                                  L.
10836  870                                                                                 LL.
10842  880                                                                                  L.
10848  890                                                                                  L.
10854  900                                                                                 LL.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  920                                                                                  L.
10912  930                                                                                 LL.
10918  940                                                                                 LL.
10924  950                                                                                 LL.
10930  960                                                                                 LL.
10936  970                                                                                 LL.
10942  980                                                                                 LL.
10948  990                                                                                 LL.
10954 1000                                                                                 LL.
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 1020                                                                                 LL.
11012 1030                                                                                 LL.
11018 1040                                                                                LLL.
11024 1050                                                                                 LL.
11030 1060                                                                                LLL.
11036 107.O                                                                               LLL.
11042 108.O                                                                               LLL.
11048 109.O                                                                               LLL.
11054 110.O                                                                               LLL.
11100 111. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLL.
11106 112. O                                                                              LLL.
11112 113. O                                                                              LLL.
11118 114.  O                                                                            LLLX.
11124 115.  O                                                                           LLLLX.
11130 116.   O                                                                          LLLLX.
11136 117.    O                                                                        LLLLLX.
11142 118.     O                                                                     . LLLLLXX.
11148 119.            O                                                          LLLLLLLLLLLLXXXX.
11154 120.                        O                                       LLLLLLLLLLLLLLLLLXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . . . . .O. . . . . . . . . . . LLLLLLLLLLLLLLLLLLLLLLLLLXXXXXXXXXXXXXX.
11206 122.                                                        O.         LLLLLLLLLLLLLLLLLLLLLLLLLXXXXXXXXXXXXXXXXX.
11212 123.                                          O                          LLLLLLLLLLLLXXXXXXXXXXXXX.
11218 124.                                .O                                          LLLLLLLXXXXXXXXX.
11224 125.                    O                                                        LLLXXXX.
11230 126.              O                                                              LLLXXX.
11236 127.            O                                                                 LLXXX.
11242 128.          .O                                                                  LLXXX.
11248 129.          .O                                                                   LLXX.
11254 130.          O                                                                    LLXX.
11300 131. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.       O .                                                                      LXX.
11312 133.         O.                                                                     LXX.
11318 134.      O  .                                                                      LXX.
11324 135.       O .                                                                      LXX.
11330 136.      O  .                                                                      LXX.
11336 137.     O   .                                                                       LX.
11342 138.      O  .                                                                      LXX.
11348 139.     O   .                                                                       LX.
11354 140.     O   .                                                                       LX.
11400 141. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.     O   .                                                                       LX.
11412 143.     O   .                                                                       LX.
11418 144.    O    .                                                                       LX.
11424 145.    O    .                                                                       LX.
11430 146.     O   .                                                                       LX.
11436 147.    O    .                                                                       LX.
11442 148.    O    .                                                                       LX.
11448 149.   O     .                                                                        X.
11454 150.    O    .                                                                       LX.
11500 151. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11506 152.    O    .                                                                       LX.
11512 153.   O     .                                                                        X.
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11518 154.      O    .         .         .         .         .         .         .         .         .         .         .  LX.
11524 155.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11530 156.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11536 157.     O     .         .         .         .         .         .         .         .         .         .         .  LX.
11542 158.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11548 159.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11554 160.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11600 161. .  O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11612 163.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11618 164.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11624 165.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11630 166.   O       .         .         .         .         .         .         .         .         .         .         .   X.
11636 167.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11642 168.    O      .         .         .         .         .         .         .         .         .         .         .   X.
11648 169.   O       .         .         .         .         .         .         .         .         .         .         .   X.
11654 170.   O       .         .         .         .         .         .         .         .         .         .         .   X.
11700 171. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O         .         .         .         .         .         .         .         .         .         .         .   X.
11712 173. O         .         .         .         .         .         .         .         .         .         .         .   X.
11718 174.   O       .         .         .         .         .         .         .         .         .         .         .   X.
11724 175.   O       .         .         .         .         .         .         .         .         .         .         .   X.
11730 176. O         .         .         .         .         .         .         .         .         .         .         .     .
11736 177. O         .         .         .         .         .         .         .         .         .         .         .   X.
11742 178. O         .         .         .         .         .         .         .         .         .         .         .   X.
11748 179. O         .         .         .         .         .         .         .         .         .         .         .     .
11754 180. O         .         .         .         .         .         .         .         .         .         .         .   X.
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182. O         .         .         .         .         .         .         .         .         .         .         .     .
11812 183. O         .         .         .         .         .         .         .         .         .         .         .   X.
11818 184. O         .         .         .         .         .         .         .         .         .         .         .     .
11824 185. O         .         .         .         .         .         .         .         .         .         .         .   X.
11830 186. O         .         .         .         .         .         .         .         .         .         .         .     .
11836 187. O         .         .         .         .         .         .         .         .         .         .         .   X.
11842 188. O         .         .         .         .         .         .         .         .         .         .         .     .
11848 189. O         .         .         .         .         .         .         .         .         .         .         .   X.
11854 190. O         .         .         .         .         .         .         .         .         .         .         .     .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192. O         .         .         .         .         .         .         .         .         .         .         .     .
11912 193.O          .         .         .         .         .         .         .         .         .         .         .
11918 194. O         .         .         .         .         .         .         .         .         .         .         .   X.
11924 195. O         .         .         .         .         .         .         .         .         .         .         .     .
11930 196. O         .         .         .         .         .         .         .         .         .         .         .   X.
11936 197. O         .         .         .         .         .         .         .         .         .         .         .     .
11942 198.O          .         .         .         .         .         .         .         .         .         .         .
11948 199. O         .         .         .         .         .         .         .         .         .         .         .   X.
11954 200. O         .         .         .         .         .         .         .         .         .         .         .     .
12000 201.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O          .         .         .         .         .         .         .         .         .         .         .     .
12012 203. O         .         .         .         .         .         .         .         .         .         .         .   X.
12018 204. O         .         .         .         .         .         .         .         .         .         .         .     .
12024 205.O          .         .         .         .         .         .         .         .         .         .         .     .
12030 206.O          .         .         .         .         .         .         .         .         .         .         .     .
12036 207. O         .         .         .         .         .         .         .         .         .         .         .   X.
12042 208. O         .         .         .         .         .         .         .         .         .         .         .     .
12048 209.O          .         .         .         .         .         .         .         .         .         .         .     .
12054 210.O          .         .         .         .         .         .         .         .         .         .         .     .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O         .         .         .         .         .         .         .         .         .         .         .   X.
12112 213. O         .         .         .         .         .         .         .         .         .         .         .     .
12118 214.O          .         .         .         .         .         .         .         .         .         .         .     .
12124 215.O          .         .         .         .         .         .         .         .         .         .         .     .
12130 216.O          .         .         .         .         .         .         .         .         .         .         .     .
12136 217.O          .         .         .         .         .         .         .         .         .         .         .     .
12142 218.O          .         .         .         .         .         .         .         .         .         .         .     .
12148 219.O          .         .         .         .         .         .         .         .         .         .         .     .
12154 220.O          .         .         .         .         .         .         .         .         .         .         .     .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O         .         .         .         .         .         .         .         .         .         .         .     .
12212 223.O          .         .         .         .         .         .         .         .         .         .         .     .
12218 224.O          .         .         .         .         .         .         .         .         .         .         .     .
12224 225.O          .         .         .         .         .         .         .         .         .         .         .     .
12230 226.O          .         .         .         .         .         .         .         .         .         .         .     .
12236 227.O          .         .         .         .         .         .         .         .         .         .         .     .
12242 228.O          .         .         .         .         .         .         .         .         .         .         .     .
12248 229.O          .         .         .         .         .         .         .         .         .         .         .     .
12254 230.O          .         .         .         .         .         .         .         .         .         .         .     .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O          .         .         .         .         .         .         .         .         .         .         .     .
12312 233.O          .         .         .         .         .         .         .         .         .         .         .     .
12318 234.O          .         .         .         .         .         .         .         .         .         .         .     .
12324 235.O          .         .         .         .         .         .         .         .         .         .         .     .
12330 236.O          .         .         .         .         .         .         .         .         .         .         .     .
12336 237.O          .         .         .         .         .         .         .         .         .         .         .     .
12342 238.O          .         .         .         .         .         .         .         .         .         .         .     .
12348 239.O          .         .         .         .         .         .         .         .         .         .         .     .
12354 240.O          .         .         .         .         .         .         .         .         .         .         .     .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB B2
PLAN 1, RATIO = .63

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.42	.20	.22	4.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.27	.11	.16	3.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.17	.07	.11	2.
1		0018	4	.00	.00	.00	0.	*	1		1224	125	.08	.03	.05	1.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.07	.02	.04	1.
1		0030	6	.00	.00	.00	0.	*	1		1236	127	.06	.02	.04	1.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.06	.02	.04	1.

1	0042	8	.01	.01	.00	0.	*	1	1248	129	.05	.02	.03	1.
1	0048	9	.01	.01	.00	0.	*	1	1254	130	.04	.02	.03	1.
1	0054	10	.00	.00	.00	0.	*	1	1300	131	.04	.01	.03	0.
1	0100	11	.01	.01	.00	0.	*	1	1306	132	.04	.01	.02	0.
1	0106	12	.01	.01	.00	0.	*	1	1312	133	.04	.01	.03	0.
1	0112	13	.01	.01	.00	0.	*	1	1318	134	.03	.01	.02	0.
1	0118	14	.01	.01	.00	0.	*	1	1324	135	.03	.01	.02	0.
1	0124	15	.01	.01	.00	0.	*	1	1330	136	.03	.01	.02	0.
1	0130	16	.00	.00	.00	0.	*	1	1336	137	.02	.01	.02	0.
1	0136	17	.01	.01	.00	0.	*	1	1342	138	.03	.01	.02	0.
1	0142	18	.01	.01	.00	0.	*	1	1348	139	.02	.01	.02	0.
1	0148	19	.00	.00	.00	0.	*	1	1354	140	.02	.01	.02	0.
1	0154	20	.01	.01	.00	0.	*	1	1400	141	.02	.01	.02	0.
1	0200	21	.01	.01	.00	0.	*	1	1406	142	.02	.01	.02	0.
1	0206	22	.01	.01	.00	0.	*	1	1412	143	.02	.01	.02	0.
1	0212	23	.01	.01	.00	0.	*	1	1418	144	.02	.01	.01	0.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.02	.01	.01	0.
1	0224	25	.01	.01	.00	0.	*	1	1430	146	.02	.01	.02	0.
1	0230	26	.01	.01	.00	0.	*	1	1436	147	.02	.01	.01	0.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.02	.01	.01	0.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.00	.01	0.
1	0248	29	.00	.00	.00	0.	*	1	1454	150	.02	.01	.01	0.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.02	.01	.01	0.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.02	.01	.01	0.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.00	.01	0.
1	0312	33	.01	.01	.00	0.	*	1	1518	154	.02	.01	.01	0.
1	0318	34	.00	.00	.00	0.	*	1	1524	155	.01	.00	.01	0.
1	0324	35	.00	.00	.00	0.	*	1	1530	156	.02	.00	.01	0.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.02	.01	.01	0.
1	0336	37	.00	.00	.00	0.	*	1	1542	158	.01	.00	.01	0.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.02	.00	.01	0.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.01	0.
1	0354	40	.00	.00	.00	0.	*	1	1600	161	.01	.00	.01	0.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.01	0.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.02	.00	.01	0.
1	0412	43	.00	.00	.00	0.	*	1	1618	164	.01	.00	.01	0.
1	0418	44	.00	.00	.00	0.	*	1	1624	165	.02	.00	.01	0.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	0.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.01	0.
1	0436	47	.00	.00	.00	0.	*	1	1642	168	.02	.00	.01	0.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	0.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.01	.00	.01	0.
1	0454	50	.00	.00	.00	0.	*	1	1700	171	.00	.00	.00	0.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	0.
1	0506	52	.00	.00	.00	0.	*	1	1712	173	.01	.00	.01	0.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	0.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.01	.00	.01	0.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.00	.00	.00	0.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.01	.00	.01	0.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	0.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.00	.00	.00	0.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	0.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.01	.00	.01	0.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.00	.00	.00	0.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	0.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.00	0.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	0.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.00	.00	.00	0.
1	0630	66	.00	.00	.00	0.	*	1	1836	187	.01	.00	.01	0.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.00	.00	.00	0.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	0.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.00	.00	.00	0.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	0.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.00	.00	.00	0.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.00	.00	.00	0.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	0.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.00	.00	.00	0.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	0.
1	0730	76	.01	.01	.00	0.	*	1	1936	197	.01	.00	.00	0.
1	0736	77	.01	.01	.00	0.	*	1	1942	198	.00	.00	.00	0.
1	0742	78	.01	.01	.00	0.	*	1	1948	199	.01	.00	.01	0.
1	0748	79	.01	.01	.00	0.	*	1	1954	200	.00	.00	.00	0.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.00	0.
1	0800	81	.01	.01	.00	0.	*	1	2006	202	.00	.00	.00	0.
1	0806	82	.01	.01	.00	0.	*	1	2012	203	.01	.00	.01	0.
1	0812	83	.01	.01	.00	0.	*	1	2018	204	.01	.00	.00	0.
1	0818	84	.01	.01	.00	0.	*	1	2024	205	.00	.00	.00	0.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.00	.00	.00	0.
1	0830	86	.01	.01	.00	0.	*	1	2036	207	.01	.00	.01	0.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.01	.00	.00	0.
1	0842	88	.01	.01	.00	0.	*	1	2048	209	.00	.00	.00	0.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.00	.00	.00	0.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.00	.00	.00	0.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	0.
1	0906	92	.01	.01	.00	0.	*	1	2112	213	.00	.00	.00	0.
1	0912	93	.02	.02	.00	0.	*	1	2118	214	.00	.00	.00	0.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.00	.00	.00	0.
1	0924	95	.02	.02	.00	0.	*	1	2130	216	.01	.00	.00	0.
1	0930	96	.02	.02	.00	0.	*	1	2136	217	.00	.00	.00	0.
1	0936	97	.02	.02	.00	0.	*	1	2142	218	.00	.00	.00	0.
1	0942	98	.02	.02	.00	0.	*	1	2148	219	.00	.00	.00	0.
1	0948	99	.02	.02	.00	0.	*	1	2154	220	.00	.00	.00	0.
1	0954	100	.02	.02	.00	0.	*	1	2200	221	.01	.00	.01	0.
1	1000	101	.02	.02	.00	0.	*	1	2206	222	.00	.00	.00	0.
1	1006	102	.03	.02	.00	0.	*	1	2212	223	.00	.00	.00	0.
1	1012	103	.02	.02	.00	0.	*	1	2218	224	.01	.00	.00	0.
1	1018	104	.03	.03	.00	0.	*	1	2224	225	.00	.00	.00	0.
1	1024	105	.02	.02	.00	0.	*	1	2230	226	.00	.00	.00	0.
1	1030	106	.03	.03	.00	0.	*	1	2236	227	.00	.00	.00	0.
1	1036	107	.03	.03	.00	0.	*	1	2242	228	.00	.00	.00	0.
1	1042	108	.03	.03	.00	0.	*	1	2248	229	.01	.00	.00	0.
1	1048	109	.03	.03	.01	0.	*	1	2254	230	.00	.00	.00	0.
1	1054	110	.03	.03	.01	0.	*	1	2300	231	.00	.00	.00	0.
1	1100	111	.04	.03	.01	0.	*	1	2306	232	.00	.00	.00	0.
1	1106	112	.04	.03	.01	0.	*	1	2312	233	.00	.00	.00	0.
1	1112	113	.04	.03	.01	0.	*	1	2318	234	.01	.00	.00	0.

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     1    1118  114    .05    .04    .01      0.    *      1    2324  235    .00    .00    .00      0.
     1    1124  115    .06    .04    .01      0.    *      1    2330  236    .00    .00    .00      0.
     1    1130  116    .06    .04    .01      0.    *      1    2336  237    .00    .00    .00      0.
     1    1136  117    .07    .05    .02      0.    *      1    2342  238    .01    .00    .00      0.
     1    1142  118    .08    .06    .02      0.    *      1    2348  239    .00    .00    .00      0.
     1    1148  119    .17    .12    .06      1.    *      1    2354  240    .00    .00    .00      0.
     1    1154  120    .27    .16    .10      2.    *      2    0000  241    .00    .00    .00      0.
     1    1200  121    .42    .23    .19      3.    *
                                                    *
*****************************************************************************************************************

     TOTAL RAINFALL =    5.00, TOTAL LOSS =    2.88, TOTAL EXCESS =    2.12

   PEAK FLOW      TIME                           MAXIMUM AVERAGE FLOW
                                       6-HR        24-HR        72-HR       24.00-HR
+    (CFS)        (HR)
                              (CFS)
+      4.         12.10                  1.          0.           0.           0.
                            (INCHES)   1.747       2.114        2.114        2.114
                            (AC-FT)      0.          0.           0.           0.

                           CUMULATIVE AREA =    .00 SQ MI

1                                                    STATION    SUB B2

                          (O) OUTFLOW
         .0        .5        1.0       1.5       2.0       2.5       3.0       3.5       4.0       .0        .0        .0        .0
                                                                                                       (L) PRECIP,  (X) EXCESS
         .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
 10000   10-.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20
 10012   30
 10018   40
 10024   50
 10030   60
 10036   70
 10042   80
 10048   90
 10054  100
 10100  110
 10106  120
 10112  130
 10118  140
 10124  150
 10130  160
 10136  170
 10142  180
 10148  190
 10154  200
 10200  210
 10206  220
 10212  230
 10218  240
 10224  250
 10230  260                                                                                                                    L.
 10236  270
 10242  280
 10248  290
 10254  300
 10300  310
 10306  320
 10312  330                                                                                                                    L.
 10318  340
 10324  350
 10330  360
 10336  370
 10342  380                                                                                                                    L.
 10348  390
 10354  400
 10400  410
 10406  420                                                                                                                    L.
 10412  430
 10418  440
 10424  450                                                                                                                    L.
 10430  460
 10436  470
 10442  480                                                                                                                    L.
 10448  490
 10454  500
 10500  510                                                                                                                   .L.
 10506  520
 10512  530                                                                                                                    L.
 10518  540
 10524  550                                                                                                                    L.
 10530  560
 10536  570
 10542  580
 10548  590
 10554  600
 10600  610
 10606  620                                                                                                                    L.
 10612  630
 10618  640
 10624  650                                                                                                                    L.
 10630  660
 10636  670                                                                                                                    L.
 10642  680
 10648  690
 10654  700
 10700  710                                                                                                                   .L.
 10706  720
 10712  730                                                                                                                    L.
 10718  740
 10724  750                                                                                                                    L.
 10730  760                                                                                                                    L.
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10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .        L.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .        L.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .        L.
10918  940         .         .         .         .         .         .         .         .         .         .         .        L.
10924  950         .         .         .         .         .         .         .         .         .         .         .        L.
10930  960         .         .         .         .         .         .         .         .         .         .         .        L.
10936  970         .         .         .         .         .         .         .         .         .         .         .        L.
10942  980         .         .         .         .         .         .         .         .         .         .         .        L.
10948  990         .         .         .         .         .         .         .         .         .         .         .        L.
10954 1000         .         .         .         .         .         .         .         .         .         .         .        L.
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102.O        .         .         .         .         .         .         .         .         .         .         .        L.
11012 103.O        .         .         .         .         .         .         .         .         .         .         .        L.
11018 104.O        .         .         .         .         .         .         .         .         .         .         .        L.
11024 105.O        .         .         .         .         .         .         .         .         .         .         .        L.
11030 106.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11036 107.O        .         .         .         .         .         .         .         .         .         .         .        L.
11042 108.O        .         .         .         .         .         .         .         .         .         .         .        L.
11048 109. O       .         .         .         .         .         .         .         .         .         .         .       LL.
11054 110. O       .         .         .         .         .         .         .         .         .         .         .       LL.
11100 111. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11106 112.  O      .         .         .         .         .         .         .         .         .         .         .       LL.
11112 113.  O      .         .         .         .         .         .         .         .         .         .         .       LL.
11118 114.   O     .         .         .         .         .         .         .         .         .         .         .       LX.
11124 115.   O     .         .         .         .         .         .         .         .         .         .         .      LLX.
11130 116.    O    .         .         .         .         .         .         .         .         .         .         .      LLX.
11136 117.     O   .         .         .         .         .         .         .         .         .         .         .      LLX.
11142 118.       O .         .         .         .         .         .         .         .         .         .         .     LLLX.
11148 119.         .      O  .         .         .         .         .         .         .         .         .         .LLLLLLXXX.
11154 120.         .         .         .O        .         .         .         .         .         .         .      LLLLLLLLXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . .LLLLLLLLLLLXXXXXXXXXX.
11206 122.         .         .         .         .         .         .         .    O    .         .        LLLLLLLLLLLXXXXXXXXXX.
11212 123.         .         .         .         .         .         O         .         .         .         .     LLLLLLXXXXXXXX.
11218 124.         .         .         .         .  O      .         .         .         .         .         .LLLLXXXXX.
11224 125.         .         .   O     .         .         .         .         .         .         .         .     LXXX.
11230 126.         .     O   .         .         .         .         .         .         .         .         .      LXX.
11236 127.         .   O     .         .         .         .         .         .         .         .         .      LXX.
11242 128.         .  O      .         .         .         .         .         .         .         .         .      LXX.
11248 129.         .O        .         .         .         .         .         .         .         .         .       LX.
11254 130.         O         .         .         .         .         .         .         .         .         .         .       LX.
11300 131. . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11306 132.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11312 133.        O.         .         .         .         .         .         .         .         .         .         .       LX.
11318 134.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11324 135.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11330 136.      O  .         .         .         .         .         .         .         .         .         .         .       LX.
11336 137.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11342 138.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11348 139.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11354 140.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11400 141. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11406 142.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11412 143.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11418 144.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11424 145.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11430 146.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11436 147.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11442 148.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11448 149.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11500 151. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11512 153.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.  O      .         .         .         .         .         .         .         .         .         .         .         .
11636 167.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.  O      .         .         .         .         .         .         .         .         .         .         .         .
11654 170.  O      .         .         .         .         .         .         .         .         .         .         .        L.
11700 171. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O       .         .         .         .         .         .         .         .         .         .         .         .
11712 173. O       .         .         .         .         .         .         .         .         .         .         .        L.
11718 174.  O      .         .         .         .         .         .         .         .         .         .         .         .
11724 175.  O      .         .         .         .         .         .         .         .         .         .         .        L.
11730 176. O       .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O       .         .         .         .         .         .         .         .         .         .         .         .
11742 178. O       .         .         .         .         .         .         .         .         .         .         .        L.
11748 179. O       .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O       .         .         .         .         .         .         .         .         .         .         .         .
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11806 182. O       .         .         .         .         .         .         .         .         .         .         .         .
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11812 183. O      .        .        .        .        .        .        .        .        .        .        .        .
11818 184. O      .        .        .        .        .        .        .        .        .        .        .        .
11824 185. O      .        .        .        .        .        .        .        .        .        .        .        .
11830 186. O      .        .        .        .        .        .        .        .        .        .        .        .
11836 187. O      .        .        .        .        .        .        .        .        .        .        .       L.
11842 188. O      .        .        .        .        .        .        .        .        .        .        .        .
11848 189. O      .        .        .        .        .        .        .        .        .        .        .        .
11854 190. O      .        .        .        .        .        .        .        .        .        .        .        .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . L.
11906 192. O      .        .        .        .        .        .        .        .        .        .        .        .
11912 193.O       .        .        .        .        .        .        .        .        .        .        .        .
11918 194. O      .        .        .        .        .        .        .        .        .        .        .       L.
11924 195. O      .        .        .        .        .        .        .        .        .        .        .        .
11930 196. O      .        .        .        .        .        .        .        .        .        .        .        .
11936 197. O      .        .        .        .        .        .        .        .        .        .        .        .
11942 198.O       .        .        .        .        .        .        .        .        .        .        .        .
11948 199. O      .        .        .        .        .        .        .        .        .        .        .        .
11954 200. O      .        .        .        .        .        .        .        .        .        .        .        .
12000 201.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O       .        .        .        .        .        .        .        .        .        .        .        .
12012 203. O      .        .        .        .        .        .        .        .        .        .        .        .
12018 204. O      .        .        .        .        .        .        .        .        .        .        .        .
12024 205.O       .        .        .        .        .        .        .        .        .        .        .        .
12030 206.O       .        .        .        .        .        .        .        .        .        .        .        .
12036 207. O      .        .        .        .        .        .        .        .        .        .        .        .
12042 208. O      .        .        .        .        .        .        .        .        .        .        .        .
12048 209.O       .        .        .        .        .        .        .        .        .        .        .        .
12054 210.O       .        .        .        .        .        .        .        .        .        .        .        .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O      .        .        .        .        .        .        .        .        .        .        .       L.
12112 213. O      .        .        .        .        .        .        .        .        .        .        .        .
12118 214.O       .        .        .        .        .        .        .        .        .        .        .        .
12124 215.O       .        .        .        .        .        .        .        .        .        .        .        .
12130 216.O       .        .        .        .        .        .        .        .        .        .        .        .
12136 217.O       .        .        .        .        .        .        .        .        .        .        .        .
12142 218.O       .        .        .        .        .        .        .        .        .        .        .        .
12148 219.O       .        .        .        .        .        .        .        .        .        .        .        .
12154 220.O       .        .        .        .        .        .        .        .        .        .        .        .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . L.
12206 222. O      .        .        .        .        .        .        .        .        .        .        .        .
12212 223.O       .        .        .        .        .        .        .        .        .        .        .        .
12218 224.O       .        .        .        .        .        .        .        .        .        .        .        .
12224 225.O       .        .        .        .        .        .        .        .        .        .        .        .
12230 226.O       .        .        .        .        .        .        .        .        .        .        .        .
12236 227.O       .        .        .        .        .        .        .        .        .        .        .        .
12242 228.O       .        .        .        .        .        .        .        .        .        .        .        .
12248 229.O       .        .        .        .        .        .        .        .        .        .        .        .
12254 230.O       .        .        .        .        .        .        .        .        .        .        .        .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O       .        .        .        .        .        .        .        .        .        .        .        .
12312 233.O       .        .        .        .        .        .        .        .        .        .        .        .
12318 234.O       .        .        .        .        .        .        .        .        .        .        .        .
12324 235.O       .        .        .        .        .        .        .        .        .        .        .        .
12330 236.O       .        .        .        .        .        .        .        .        .        .        .        .
12336 237.O       .        .        .        .        .        .        .        .        .        .        .        .
12342 238.O       .        .        .        .        .        .        .        .        .        .        .        .
12348 239.O       .        .        .        .        .        .        .        .        .        .        .        .
12354 240.O       .        .        .        .        .        .        .        .        .        .        .        .
20000 241.O-------.--------.--------.--------.--------.--------.--------.--------.--------.--------.--------.--------.
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HYDROGRAPH AT STATION SUB B2
PLAN 1, RATIO = .76

DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.
1	0006	2	.01	.01	.00	0.
1	0012	3	.01	.01	.00	0.
1	0018	4	.01	.01	.00	0.
1	0024	5	.01	.01	.00	0.
1	0030	6	.01	.01	.00	0.
1	0036	7	.01	.01	.00	0.
1	0042	8	.01	.01	.00	0.
1	0048	9	.01	.01	.00	0.
1	0054	10	.01	.01	.00	0.
1	0100	11	.01	.01	.00	0.
1	0106	12	.01	.01	.00	0.
1	0112	13	.01	.01	.00	0.
1	0118	14	.01	.01	.00	0.
1	0124	15	.01	.01	.00	0.
1	0130	16	.01	.01	.00	0.
1	0136	17	.01	.01	.00	0.
1	0142	18	.01	.01	.00	0.
1	0148	19	.01	.01	.00	0.
1	0154	20	.01	.01	.00	0.
1	0200	21	.01	.01	.00	0.
1	0206	22	.01	.01	.00	0.
1	0212	23	.01	.01	.00	0.
1	0218	24	.01	.01	.00	0.
1	0224	25	.01	.01	.00	0.
1	0230	26	.01	.01	.00	0.
1	0236	27	.01	.01	.00	0.
1	0242	28	.01	.01	.00	0.
1	0248	29	.01	.01	.00	0.
1	0254	30	.01	.01	.00	0.
1	0300	31	.01	.01	.00	0.
1	0306	32	.01	.01	.00	0.
1	0312	33	.01	.01	.00	0.
1	0318	34	.01	.01	.00	0.
1	0324	35	.01	.01	.00	0.
1	0330	36	.01	.01	.00	0.
1	1206	122	.51	.20	.31	5.
1	1212	123	.33	.11	.22	4.
1	1218	124	.21	.07	.15	3.
1	1224	125	.10	.03	.07	2.
1	1230	126	.08	.02	.06	1.
1	1236	127	.07	.02	.05	1.
1	1242	128	.07	.02	.05	1.
1	1248	129	.05	.02	.04	1.
1	1254	130	.05	.02	.04	1.
1	1300	131	.05	.01	.04	1.
1	1306	132	.04	.01	.03	1.
1	1312	133	.05	.01	.04	1.
1	1318	134	.04	.01	.03	1.
1	1324	135	.04	.01	.03	1.
1	1330	136	.04	.01	.03	0.
1	1336	137	.03	.01	.02	0.
1	1342	138	.04	.01	.03	0.
1	1348	139	.03	.01	.02	0.
1	1354	140	.03	.01	.02	0.
1	1400	141	.03	.01	.02	0.
1	1406	142	.03	.01	.02	0.
1	1412	143	.03	.01	.02	0.
1	1418	144	.02	.01	.02	0.
1	1424	145	.02	.01	.02	0.
1	1430	146	.03	.01	.02	0.
1	1436	147	.02	.01	.02	0.
1	1442	148	.02	.01	.02	0.
1	1448	149	.02	.00	.01	0.
1	1454	150	.02	.01	.02	0.
1	1500	151	.02	.01	.02	0.
1	1506	152	.02	.01	.02	0.
1	1512	153	.02	.00	.01	0.
1	1518	154	.02	.01	.02	0.
1	1524	155	.02	.00	.01	0.
1	1530	156	.02	.00	.01	0.
1	1536	157	.02	.01	.02	0.

1	0336	37	.01	.01	.00	0.	*	1	1542	158	.02	.00	.01	0.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.02	.00	.01	0.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.01	0.
1	0354	40	.01	.01	.00	0.	*	1	1600	161	.02	.00	.01	0.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.01	0.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.02	.00	.01	0.
1	0412	43	.01	.01	.00	0.	*	1	1618	164	.02	.00	.01	0.
1	0418	44	.01	.01	.00	0.	*	1	1624	165	.02	.00	.01	0.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	0.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.01	0.
1	0436	47	.01	.01	.00	0.	*	1	1642	168	.02	.00	.01	0.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	0.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.01	.00	.01	0.
1	0454	50	.01	.01	.00	0.	*	1	1700	171	.01	.00	.00	0.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	0.
1	0506	52	.01	.01	.00	0.	*	1	1712	173	.01	.00	.01	0.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	0.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.01	.00	.01	0.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.01	.00	.00	0.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.01	.00	.01	0.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	0.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.00	0.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	0.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.01	.00	.01	0.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.01	.00	.00	0.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	0.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.00	0.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	0.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.01	.00	.00	0.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.01	.00	.01	0.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.01	.00	.00	0.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	0.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.00	0.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	0.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.01	.00	.00	0.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.01	.00	.00	0.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	0.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.01	.00	.00	0.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	0.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.00	0.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.00	0.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.01	.00	.01	0.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.00	0.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.00	0.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.00	0.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.01	.00	.01	0.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.00	0.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.00	0.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.00	0.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.01	.00	.01	0.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.01	.00	.00	0.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.00	0.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.00	0.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.01	.00	.00	0.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	0.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.00	0.
1	0912	93	.02	.02	.00	0.	*	1	2118	214	.01	.00	.00	0.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.01	.00	.00	0.
1	0924	95	.02	.02	.00	0.	*	1	2130	216	.01	.00	.00	0.
1	0930	96	.02	.02	.00	0.	*	1	2136	217	.01	.00	.00	0.
1	0936	97	.02	.02	.00	0.	*	1	2142	218	.01	.00	.00	0.
1	0942	98	.03	.03	.00	0.	*	1	2148	219	.01	.00	.00	0.
1	0948	99	.02	.02	.00	0.	*	1	2154	220	.01	.00	.00	0.
1	0954	100	.03	.03	.00	0.	*	1	2200	221	.01	.00	.01	0.
1	1000	101	.02	.02	.00	0.	*	1	2206	222	.01	.00	.00	0.
1	1006	102	.03	.03	.00	0.	*	1	2212	223	.01	.00	.00	0.
1	1012	103	.03	.03	.00	0.	*	1	2218	224	.01	.00	.00	0.
1	1018	104	.04	.03	.01	0.	*	1	2224	225	.01	.00	.00	0.
1	1024	105	.03	.02	.01	0.	*	1	2230	226	.01	.00	.00	0.
1	1030	106	.04	.03	.01	0.	*	1	2236	227	.01	.00	.00	0.
1	1036	107	.04	.03	.01	0.	*	1	2242	228	.01	.00	.00	0.
1	1042	108	.04	.03	.01	0.	*	1	2248	229	.01	.00	.00	0.
1	1048	109	.04	.03	.01	0.	*	1	2254	230	.01	.00	.00	0.
1	1054	110	.04	.03	.01	0.	*	1	2300	231	.01	.00	.00	0.
1	1100	111	.05	.04	.01	0.	*	1	2306	232	.01	.00	.00	0.
1	1106	112	.05	.04	.01	0.	*	1	2312	233	.01	.00	.00	0.
1	1112	113	.05	.03	.01	0.	*	1	2318	234	.01	.00	.00	0.
1	1118	114	.06	.04	.02	0.	*	1	2324	235	.01	.00	.00	0.
1	1124	115	.07	.05	.02	0.	*	1	2330	236	.01	.00	.00	0.
1	1130	116	.07	.04	.02	0.	*	1	2336	237	.01	.00	.00	0.
1	1136	117	.09	.05	.03	1.	*	1	2342	238	.01	.00	.00	0.
1	1142	118	.10	.06	.04	1.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.21	.12	.09	1.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.32	.17	.15	2.	*	2	0000	241	.01	.00	.00	0.
1	1200	121	.51	.23	.28	4.	*							

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   TOTAL RAINFALL =    6.10, TOTAL LOSS =    3.12, TOTAL EXCESS =    2.98

   PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                         6-HR        24-HR       72-HR       24.00-HR
+   (CFS)         (HR)
                               (CFS)
+     5.          12.10                    1.          0.          0.           0.
                             (INCHES)    2.450       2.976       2.976        2.976
                              (AC-FT)      0.          0.          0.           0.

                             CUMULATIVE AREA =    .00 SQ MI

1                                                   STATION    SUB B2

                             (O) OUTFLOW
        0.        1.          2.        3.        4.        5.        6.        0.        0.        0.          0.           0.        0.
                                                                                                          (L) PRECIP,  (X) EXCESS
        .0        .0          .0        .0        .0        .0        .0        .0        .0        .6          .4           .2        .0
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DAHRMN PER
 10000   10-----------------------------------------------------------------------------------------------------------------.
 10006   20                                                                                                                   .
 10012   30                                                                                                                   .
 10018   40                                                                                                                   .
 10024   50                                                                                                                   .
 10030   60                                                                                                                   .
 10036   70                                                                                                                   .
 10042   80                                                                                                                   .
 10048   90                                                                                                                   .
 10054  100                                                                                                                   .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120                                                                                                                   .
 10112  130                                                                                                                   .
 10118  140                                                                                                                   .
 10124  150                                                                                                                   .
 10130  160                                                                                                                   .
 10136  170                                                                                                                   .
 10142  180                                                                                                                   .
 10148  190                                                                                                                   .
 10154  200                                                                                                                   .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220                                                                                                                   .
 10212  230                                                                                                                   .
 10218  240                                                                                                                   .
 10224  250                                                                                                                   .
 10230  260                                                                                                                  L.
 10236  270                                                                                                                   .
 10242  280                                                                                                                   .
 10248  290                                                                                                                   .
 10254  300                                                                                                                   .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320                                                                                                                   .
 10312  330                                                                                                                  L.
 10318  340                                                                                                                   .
 10324  350                                                                                                                   .
 10330  360                                                                                                                   .
 10336  370                                                                                                                   .
 10342  380                                                                                                                  L.
 10348  390                                                                                                                   .
 10354  400                                                                                                                   .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420                                                                                                                  L.
 10412  430                                                                                                                   .
 10418  440                                                                                                                   .
 10424  450                                                                                                                  L.
 10430  460                                                                                                                   .
 10436  470                                                                                                                   .
 10442  480                                                                                                                  L.
 10448  490                                                                                                                   .
 10454  500                                                                                                                   .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506  520                                                                                                                   .
 10512  530                                                                                                                  L.
 10518  540                                                                                                                   .
 10524  550                                                                                                                  L.
 10530  560                                                                                                                   .
 10536  570                                                                                                                  L.
 10542  580                                                                                                                   .
 10548  590                                                                                                                  L.
 10554  600                                                                                                                   .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10606  620                                                                                                                  L.
 10612  630                                                                                                                   .
 10618  640                                                                                                                  L.
 10624  650                                                                                                                  L.
 10630  660                                                                                                                   .
 10636  670                                                                                                                  L.
 10642  680                                                                                                                  L.
 10648  690                                                                                                                   .
 10654  700                                                                                                                  L.
 10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10706  720                                                                                                                  L.
 10712  730                                                                                                                  L.
 10718  740                                                                                                                  L.
 10724  750                                                                                                                  L.
 10730  760                                                                                                                  L.
 10736  770                                                                                                                  L.
 10742  780                                                                                                                  L.
 10748  790                                                                                                                  L.
 10754  800                                                                                                                  L.
 10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10806  820                                                                                                                  L.
 10812  830                                                                                                                  L.
 10818  840                                                                                                                  L.
 10824  850                                                                                                                  L.
 10830  860                                                                                                                  L.
 10836  870                                                                                                                  L.
 10842  880                                                                                                                  L.
 10848  890                                                                                                                  L.
 10854  900                                                                                                                  L.
 10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10906  920                                                                                                                  L.
 10912  930                                                                                                                  L.
 10918  940                                                                                                                  L.
 10924  950                                                                                                                  L.
 10930  960                                                                                                                  L.
 10936  970                                                                                                                  L.
 10942   98.0                                                                                                               LL.
 10948   99.0                                                                                                                L.
 10954 100.0                                                                                                                LL.
 11000 101.0. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 11006 102.0                                                                                                                LL.
 11012 103.0                                                                                                                LL.
 11018 104.0                                                                                                                LL.
 11024 105.0                                                                                                                LL.
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11030 106.O      .         .         .         .         .         .         .         .         .         .         .      LL.
11036 107.O      .         .         .         .         .         .         .         .         .         .         .      LL.
11042 108.O      .         .         .         .         .         .         .         .         .         .         .      LL.
11048 109. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11054 110. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11100 111. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11106 112. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11112 113. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11118 114.  O    .         .         .         .         .         .         .         .         .         .         .     LLX.
11124 115.   O   .         .         .         .         .         .         .         .         .         .         .     LLX.
11130 116.   O   .         .         .         .         .         .         .         .         .         .         .     LLX.
11136 117.    O  .         .         .         .         .         .         .         .         .         .         .    LLXX.
11142 118.     O .         .         .         .         .         .         .         .         .         .         .   LLLXX.
11148 119.       .  O      .         .         .         .         .         .         .         .         .       LLLLLLXXXXX.
11154 120.       .         . O       .         .         .         .         .         .         .         .   LLLLLLLLXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . LLLLLLLLLLLLXXXXXXXXXXXXXX.
11206 122.       .         .         .         .         . O       .         .         .         .    LLLLLLLLLLLXXXXXXXXXXXXXXXX.
11212 123.       .         .         .         . O       .         .         .         .         .         .   LLLLLXXXXXXXXXXX.
11218 124.       .         .         O.        .         .         .         .         .         .         .        LLLLXXXXXXX.
11224 125.       .     O   .         .         .         .         .         .         .         .         .         LLXXX.
11230 126.       .O        .         .         .         .         .         .         .         .         .          LXXX.
11236 127.      O.         .         .         .         .         .         .         .         .         .          LXXX.
11242 128.      O.         .         .         .         .         .         .         .         .         .         .  LXX.
11248 129.    O  .         .         .         .         .         .         .         .         .         .         .  LXX.
11254 130.    O  .         .         .         .         .         .         .         .         .         .         .  LXX.
11300 131. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11306 132.    O  .         .         .         .         .         .         .         .         .         .         .   XX.
11312 133.    O  .         .         .         .         .         .         .         .         .         .         .   XX.
11318 134.   O   .         .         .         .         .         .         .         .         .         .         .   LX.
11324 135.   O   .         .         .         .         .         .         .         .         .         .         .   XX.
11330 136.   O   .         .         .         .         .         .         .         .         .         .         .   LX.
11336 137.  O    .         .         .         .         .         .         .         .         .         .         .   LX.
11342 138.   O   .         .         .         .         .         .         .         .         .         .         .   LX.
11348 139.  O    .         .         .         .         .         .         .         .         .         .         .   LX.
11354 140.  O    .         .         .         .         .         .         .         .         .         .         .   LX.
11400 141. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.  O    .         .         .         .         .         .         .         .         .         .         .   LX.
11412 143.  O    .         .         .         .         .         .         .         .         .         .         .   LX.
11418 144. O     .         .         .         .         .         .         .         .         .         .         .    X.
11424 145. O     .         .         .         .         .         .         .         .         .         .         .    X.
11430 146.  O    .         .         .         .         .         .         .         .         .         .         .   LX.
11436 147. O     .         .         .         .         .         .         .         .         .         .         .    X.
11442 148. O     .         .         .         .         .         .         .         .         .         .         .    X.
11448 149. O     .         .         .         .         .         .         .         .         .         .         .    X.
11454 150. O     .         .         .         .         .         .         .         .         .         .         .    X.
11500 151. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152. O     .         .         .         .         .         .         .         .         .         .         .    X.
11512 153. O     .         .         .         .         .         .         .         .         .         .         .    X.
11518 154. O     .         .         .         .         .         .         .         .         .         .         .    X.
11524 155. O     .         .         .         .         .         .         .         .         .         .         .    X.
11530 156. O     .         .         .         .         .         .         .         .         .         .         .    X.
11536 157. O     .         .         .         .         .         .         .         .         .         .         .    X.
11542 158. O     .         .         .         .         .         .         .         .         .         .         .    X.
11548 159. O     .         .         .         .         .         .         .         .         .         .         .    X.
11554 160. O     .         .         .         .         .         .         .         .         .         .         .    X.
11600 161. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162. O     .         .         .         .         .         .         .         .         .         .         .    X.
11612 163. O     .         .         .         .         .         .         .         .         .         .         .    X.
11618 164. O     .         .         .         .         .         .         .         .         .         .         .    X.
11624 165. O     .         .         .         .         .         .         .         .         .         .         .    X.
11630 166. O     .         .         .         .         .         .         .         .         .         .         .    L.
11636 167. O     .         .         .         .         .         .         .         .         .         .         .    X.
11642 168. O     .         .         .         .         .         .         .         .         .         .         .    X.
11648 169. O     .         .         .         .         .         .         .         .         .         .         .    L.
11654 170. O     .         .         .         .         .         .         .         .         .         .         .    L.
11700 171.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.O      .         .         .         .         .         .         .         .         .         .         .    L.
11712 173. O     .         .         .         .         .         .         .         .         .         .         .    L.
11718 174. O     .         .         .         .         .         .         .         .         .         .         .    L.
11724 175. O     .         .         .         .         .         .         .         .         .         .         .    L.
11730 176.O      .         .         .         .         .         .         .         .         .         .         .     .
11736 177. O     .         .         .         .         .         .         .         .         .         .         .    L.
11742 178. O     .         .         .         .         .         .         .         .         .         .         .    L.
11748 179.O      .         .         .         .         .         .         .         .         .         .         .     .
11754 180. O     .         .         .         .         .         .         .         .         .         .         .    L.
11800 181. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11806 182.O      .         .         .         .         .         .         .         .         .         .         .     .
11812 183. O     .         .         .         .         .         .         .         .         .         .         .    L.
11818 184.O      .         .         .         .         .         .         .         .         .         .         .     .
11824 185. O     .         .         .         .         .         .         .         .         .         .         .    L.
11830 186.O      .         .         .         .         .         .         .         .         .         .         .     .
11836 187. O     .         .         .         .         .         .         .         .         .         .         .    L.
11842 188.O      .         .         .         .         .         .         .         .         .         .         .     .
11848 189. O     .         .         .         .         .         .         .         .         .         .         .    L.
11854 190.O      .         .         .         .         .         .         .         .         .         .         .     .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11906 192.O      .         .         .         .         .         .         .         .         .         .         .     .
11912 193.O      .         .         .         .         .         .         .         .         .         .         .     .
11918 194.O      .         .         .         .         .         .         .         .         .         .         .    L.
11924 195.O      .         .         .         .         .         .         .         .         .         .         .     .
11930 196. O     .         .         .         .         .         .         .         .         .         .         .    L.
11936 197.O      .         .         .         .         .         .         .         .         .         .         .     .
11942 198.O      .         .         .         .         .         .         .         .         .         .         .     .
11948 199.O      .         .         .         .         .         .         .         .         .         .         .    L.
11954 200.O      .         .         .         .         .         .         .         .         .         .         .     .
12000 201.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O      .         .         .         .         .         .         .         .         .         .         .     .
12012 203.O      .         .         .         .         .         .         .         .         .         .         .    L.
12018 204.O      .         .         .         .         .         .         .         .         .         .         .     .
12024 205.O      .         .         .         .         .         .         .         .         .         .         .     .
12030 206.O      .         .         .         .         .         .         .         .         .         .         .     .
12036 207.O      .         .         .         .         .         .         .         .         .         .         .    L.
12042 208.O      .         .         .         .         .         .         .         .         .         .         .     .
12048 209.O      .         .         .         .         .         .         .         .         .         .         .     .
12054 210.O      .         .         .         .         .         .         .         .         .         .         .     .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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12106 212.o     .         .         .         .         .         .         .         .         .         .         .         L.
12112 213.o     .         .         .         .         .         .         .         .         .         .         .          .
12118 214.o     .         .         .         .         .         .         .         .         .         .         .          .
12124 215.o     .         .         .         .         .         .         .         .         .         .         .          .
12130 216.o     .         .         .         .         .         .         .         .         .         .         .          .
12136 217.o     .         .         .         .         .         .         .         .         .         .         .          .
12142 218.o     .         .         .         .         .         .         .         .         .         .         .          .
12148 219.o     .         .         .         .         .         .         .         .         .         .         .          .
12154 220.o     .         .         .         .         .         .         .         .         .         .         .          .
12200 221.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . L.
12206 222.o     .         .         .         .         .         .         .         .         .         .         .          .
12212 223.o     .         .         .         .         .         .         .         .         .         .         .          .
12218 224.o     .         .         .         .         .         .         .         .         .         .         .          .
12224 225.o     .         .         .         .         .         .         .         .         .         .         .          .
12230 226.o     .         .         .         .         .         .         .         .         .         .         .          .
12236 227.o     .         .         .         .         .         .         .         .         .         .         .          .
12242 228.o     .         .         .         .         .         .         .         .         .         .         .          .
12248 229.o     .         .         .         .         .         .         .         .         .         .         .          .
12254 230.o     .         .         .         .         .         .         .         .         .         .         .          .
12300 231.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.o     .         .         .         .         .         .         .         .         .         .         .          .
12312 233.o     .         .         .         .         .         .         .         .         .         .         .          .
12318 234.o     .         .         .         .         .         .         .         .         .         .         .          .
12324 235.o     .         .         .         .         .         .         .         .         .         .         .          .
12330 236.o     .         .         .         .         .         .         .         .         .         .         .          .
12336 237.o     .         .         .         .         .         .         .         .         .         .         .          .
12342 238.o     .         .         .         .         .         .         .         .         .         .         .          .
12348 239.o     .         .         .         .         .         .         .         .         .         .         .          .
12354 2400      .         .         .         .         .         .         .         .         .         .         .          .
20000 241.o--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB B2
PLAN 1, RATIO = .88

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.59	.20	.39	7.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.38	.11	.27	5.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.24	.07	.18	4.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.11	.03	.08	2.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.09	.02	.07	1.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.08	.02	.06	1.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.08	.02	.06	1.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.06	.01	.05	1.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.06	.01	.05	1.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.01	.04	1.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.05	.01	.04	1.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.01	.04	1.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.04	.01	.03	1.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.05	.01	.04	1.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.04	.01	.03	1.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.03	.01	.03	1.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.04	.01	.03	1.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.03	.01	.03	1.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.03	.01	.03	0.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.03	.01	.03	0.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.03	.01	.03	0.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.03	.01	.03	0.
1		0212	23	.01	.01	.00	0.	*	1		1418	144	.03	.01	.02	0.
1		0218	24	.01	.01	.00	0.	*	1		1424	145	.03	.01	.02	0.
1		0224	25	.01	.01	.00	0.	*	1		1430	146	.03	.01	.03	0.
1		0230	26	.01	.01	.00	0.	*	1		1436	147	.03	.01	.02	0.
1		0236	27	.01	.01	.00	0.	*	1		1442	148	.03	.01	.02	0.
1		0242	28	.01	.01	.00	0.	*	1		1448	149	.02	.00	.02	0.
1		0248	29	.01	.01	.00	0.	*	1		1454	150	.03	.01	.02	0.
1		0254	30	.01	.01	.00	0.	*	1		1500	151	.03	.01	.02	0.
1		0300	31	.01	.01	.00	0.	*	1		1506	152	.03	.01	.02	0.
1		0306	32	.01	.01	.00	0.	*	1		1512	153	.02	.00	.02	0.
1		0312	33	.01	.01	.00	0.	*	1		1518	154	.03	.01	.02	0.
1		0318	34	.01	.01	.00	0.	*	1		1524	155	.02	.00	.02	0.
1		0324	35	.01	.01	.00	0.	*	1		1530	156	.02	.00	.02	0.
1		0330	36	.01	.01	.00	0.	*	1		1536	157	.03	.01	.02	0.
1		0336	37	.01	.01	.00	0.	*	1		1542	158	.02	.00	.02	0.
1		0342	38	.01	.01	.00	0.	*	1		1548	159	.02	.00	.02	0.
1		0348	39	.01	.01	.00	0.	*	1		1554	160	.02	.00	.02	0.
1		0354	40	.01	.01	.00	0.	*	1		1600	161	.02	.00	.02	0.
1		0400	41	.01	.01	.00	0.	*	1		1606	162	.02	.00	.02	0.
1		0406	42	.01	.01	.00	0.	*	1		1612	163	.02	.00	.02	0.
1		0412	43	.01	.01	.00	0.	*	1		1618	164	.02	.00	.02	0.
1		0418	44	.01	.01	.00	0.	*	1		1624	165	.02	.00	.02	0.
1		0424	45	.01	.01	.00	0.	*	1		1630	166	.01	.00	.01	0.
1		0430	46	.01	.01	.00	0.	*	1		1636	167	.02	.00	.02	0.
1		0436	47	.01	.01	.00	0.	*	1		1642	168	.02	.00	.02	0.
1		0442	48	.01	.01	.00	0.	*	1		1648	169	.01	.00	.01	0.
1		0448	49	.01	.01	.00	0.	*	1		1654	170	.01	.00	.01	0.
1		0454	50	.01	.01	.00	0.	*	1		1700	171	.01	.00	.01	0.
1		0500	51	.01	.01	.00	0.	*	1		1706	172	.01	.00	.01	0.
1		0506	52	.01	.01	.00	0.	*	1		1712	173	.01	.00	.01	0.
1		0512	53	.01	.01	.00	0.	*	1		1718	174	.01	.00	.01	0.
1		0518	54	.01	.01	.00	0.	*	1		1724	175	.01	.00	.01	0.
1		0524	55	.01	.01	.00	0.	*	1		1730	176	.01	.00	.01	0.
1		0530	56	.01	.01	.00	0.	*	1		1736	177	.01	.00	.01	0.
1		0536	57	.01	.01	.00	0.	*	1		1742	178	.01	.00	.01	0.
1		0542	58	.01	.01	.00	0.	*	1		1748	179	.01	.00	.01	0.
1		0548	59	.01	.01	.00	0.	*	1		1754	180	.01	.00	.01	0.
1		0554	60	.01	.01	.00	0.	*	1		1800	181	.01	.00	.01	0.
1		0600	61	.01	.01	.00	0.	*	1		1806	182	.01	.00	.01	0.
1		0606	62	.01	.01	.00	0.	*	1		1812	183	.01	.00	.01	0.
1		0612	63	.01	.01	.00	0.	*	1		1818	184	.01	.00	.01	0.
1		0618	64	.01	.01	.00	0.	*	1		1824	185	.01	.00	.01	0.
1		0624	65	.01	.01	.00	0.	*	1		1830	186	.01	.00	.01	0.

1	0630	66	.01	.01	.00	0.	*	1	1836	187	.01	.00	.01	0.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.01	.00	.01	0.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	0.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	0.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	0.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.01	.00	.01	0.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.01	.00	.01	0.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	0.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.01	.00	.01	0.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	0.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	0.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	0.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.01	.00	.01	0.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	0.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	0.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	0.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.01	.00	.01	0.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	0.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	0.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	0.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.01	.00	.01	0.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	0.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	0.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	0.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	0.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.01	.00	.01	0.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	0.
1	0912	93	.03	.02	.00	0.	*	1	2118	214	.01	.00	.01	0.
1	0918	94	.03	.02	.00	0.	*	1	2124	215	.01	.00	.01	0.
1	0924	95	.03	.02	.00	0.	*	1	2130	216	.01	.00	.01	0.
1	0930	96	.03	.02	.00	0.	*	1	2136	217	.01	.00	.01	0.
1	0936	97	.03	.02	.00	0.	*	1	2142	218	.01	.00	.01	0.
1	0942	98	.03	.03	.01	0.	*	1	2148	219	.01	.00	.01	0.
1	0948	99	.03	.02	.01	0.	*	1	2154	220	.01	.00	.01	0.
1	0954	100	.03	.03	.01	0.	*	1	2200	221	.01	.00	.01	0.
1	1000	101	.03	.02	.01	0.	*	1	2206	222	.01	.00	.01	0.
1	1006	102	.04	.03	.01	0.	*	1	2212	223	.01	.00	.01	0.
1	1012	103	.03	.03	.01	0.	*	1	2218	224	.01	.00	.01	0.
1	1018	104	.04	.03	.01	0.	*	1	2224	225	.01	.00	.01	0.
1	1024	105	.03	.03	.01	0.	*	1	2230	226	.01	.00	.01	0.
1	1030	106	.04	.03	.01	0.	*	1	2236	227	.01	.00	.01	0.
1	1036	107	.04	.03	.01	0.	*	1	2242	228	.01	.00	.01	0.
1	1042	108	.04	.03	.01	0.	*	1	2248	229	.01	.00	.01	0.
1	1048	109	.05	.03	.01	0.	*	1	2254	230	.01	.00	.01	0.
1	1054	110	.05	.03	.02	0.	*	1	2300	231	.01	.00	.01	0.
1	1100	111	.06	.04	.02	0.	*	1	2306	232	.01	.00	.01	0.
1	1106	112	.06	.04	.02	0.	*	1	2312	233	.01	.00	.01	0.
1	1112	113	.06	.04	.02	0.	*	1	2318	234	.01	.00	.01	0.
1	1118	114	.07	.04	.03	0.	*	1	2324	235	.01	.00	.01	0.
1	1124	115	.08	.05	.03	1.	*	1	2330	236	.01	.00	.01	0.
1	1130	116	.08	.05	.03	1.	*	1	2336	237	.01	.00	.01	0.
1	1136	117	.10	.06	.04	1.	*	1	2342	238	.01	.00	.01	0.
1	1142	118	.11	.06	.05	1.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.24	.13	.12	2.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.37	.17	.20	3.	*	2	0000	241	.01	.00	.01	0.
1	1200	121	.59	.23	.35	5.	*							

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TOTAL RAINFALL = 7.00, TOTAL LOSS = 3.28, TOTAL EXCESS = 3.72

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 7.	12.10		1.	0.	0.	0.
		(INCHES)	3.050	3.719	3.719	3.719
		(AC-FT)	0.	1.	1.	1.

CUMULATIVE AREA = .00 SQ MI

1 STATION SUB B2

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                          (O) OUTFLOW
          0.        1.        2.        3.        4.        5.        6.        7.        0.        0.        0.        0.        0.
                                                                                                              (L) PRECIP,   (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
10048   9O         .         .         .         .         .         .         .         .         .         .         .         .
10054  10O         .         .         .         .         .         .         .         .         .         .         .         .
10100  11O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106  12O         .         .         .         .         .         .         .         .         .         .         .         .
10112  13O         .         .         .         .         .         .         .         .         .         .         .         .
10118  14O         .         .         .         .         .         .         .         .         .         .         .         .
10124  15O         .         .         .         .         .         .         .         .         .         .         .         .
10130  16O         .         .         .         .         .         .         .         .         .         .         .         .
10136  17O         .         .         .         .         .         .         .         .         .         .         .         .
10142  18O         .         .         .         .         .         .         .         .         .         .         .         .
10148  19O         .         .         .         .         .         .         .         .         .         .         .         .
10154  20O         .         .         .         .         .         .         .         .         .         .         .         .
10200  21O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  22O         .         .         .         .         .         .         .         .         .         .         .         .
10212  23O         .         .         .         .         .         .         .         .         .         .         .         .
10218  24O         .         .         .         .         .         .         .         .         .         .         .         .
10224  25O         .         .         .         .         .         .         .         .         .         .         .         .
10230  26O         .         .         .         .         .         .         .         .         .         .         .        L.
10236  27O         .         .         .         .         .         .         .         .         .         .         .         .
10242  28O         .         .         .         .         .         .         .         .         .         .         .         .
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10248  290         .         .         .         .         .         .         .         .         .         .         .         .
10254  300         .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320         .         .         .         .         .         .         .         .         .         .         .         .
10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
10318  340         .         .         .         .         .         .         .         .         .         .         .         .
10324  350         .         .         .         .         .         .         .         .         .         .         .         .
10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
10354  400         .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
10412  430         .         .         .         .         .         .         .         .         .         .         .         .
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .        L.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .        L.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  93.O        .         .         .         .         .         .         .         .         .         .         .        L.
10918  94.O        .         .         .         .         .         .         .         .         .         .         .        L.
10924  95.O        .         .         .         .         .         .         .         .         .         .         .        L.
10930  96.O        .         .         .         .         .         .         .         .         .         .         .        L.
10936  97.O        .         .         .         .         .         .         .         .         .         .         .        L.
10942  98.O        .         .         .         .         .         .         .         .         .         .         .       LL.
10948  99.O        .         .         .         .         .         .         .         .         .         .         .        L.
10954 100.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11000 101.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11012 103.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11018 104. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11024 105. O       .         .         .         .         .         .         .         .         .         .         .       LL.
11030 106. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11036 107. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11042 108. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11048 109. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11054 110.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11100 111. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.  O      .         .         .         .         .         .         .         .         .         .         .      LLX.
11112 113.  O      .         .         .         .         .         .         .         .         .         .         .      LLX.
11118 114.   O     .         .         .         .         .         .         .         .         .         .         .      LLX.
11124 115.    O    .         .         .         .         .         .         .         .         .         .         .     LLXX.
11130 116.    O    .         .         .         .         .         .         .         .         .         .         .     LLXX.
11136 117.      O  .         .         .         .         .         .         .         .         .         .         .    LLLXX.
11142 118.       O .         .         .         .         .         .         .         .         .         .         .   LLLXXX.
11148 119.         .       O .         .         .         .         .         .         .         .         .       LLLLLLXXXXXX.
11154 120.         .         .         O         .         .         .         .         .         .         .LLLLLLLLLXXXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . .LLLLLLLLLLLXXXXXXXXXXXXXXXXXX.
11206 122.         .         .         .         .         .         .         .    O    .         .         .LLLLLLLLLXXXXXXXXXXXXXXXXXXXX.
11212 123.         .         .         .         .         . O       .         .         .         .LLLLLLXXXXXXXXXXXXX.
11218 124.         .         .         .     O   .         .         .         .         .         .         .       LLLXXXXXXXXX.
11224 125.         .         O         .         .         .         .         .         .         .         .         .   LLXXXX.
11230 126.         .  O      .         .         .         .         .         .         .         .         .         .    LLXXX.
11236 127.         . O       .         .         .         .         .         .         .         .         .         .     LXXX.
11242 128.         O         .         .         .         .         .         .         .         .         .         .     LXXX.
11248 129.        O.         .         .         .         .         .         .         .         .         .         .      LXX.
11254 130.       O .         .         .         .         .         .         .         .         .         .         .      LXX.
11300 131. . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.      O  .         .         .         .         .         .         .         .         .         .         .       XX.
11312 133.      O  .         .         .         .         .         .         .         .         .         .         .      LXX.
11318 134.     O   .         .         .         .         .         .         .         .         .         .         .       XX.
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11324 135.     O   .         .         .         .         .         .         .         .         .         .         .       XX.
11330 136.     O   .         .         .         .         .         .         .         .         .         .         .       XX.
11336 137.    O    .         .         .         .         .         .         .         .         .         .         .       LX.
11342 138.     O   .         .         .         .         .         .         .         .         .         .         .       XX.
11348 139.    O    .         .         .         .         .         .         .         .         .         .         .       LX.
11354 140.    O    .         .         .         .         .         .         .         .         .         .         .       LX.
11400 141. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.    O    .         .         .         .         .         .         .         .         .         .         .       LX.
11412 143.    O    .         .         .         .         .         .         .         .         .         .         .       LX.
11418 144.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11424 145.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11430 146.    O    .         .         .         .         .         .         .         .         .         .         .       LX.
11436 147.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11442 148.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11448 149.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11500 151. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11512 153.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11630 166. O       .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11648 169. O       .         .         .         .         .         .         .         .         .         .         .        X.
11654 170. O       .         .         .         .         .         .         .         .         .         .         .        X.
11700 171.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O       .         .         .         .         .         .         .         .         .         .         .        X.
11712 173. O       .         .         .         .         .         .         .         .         .         .         .        X.
11718 174. O       .         .         .         .         .         .         .         .         .         .         .        X.
11724 175. O       .         .         .         .         .         .         .         .         .         .         .        X.
11730 176.O        .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O       .         .         .         .         .         .         .         .         .         .         .        X.
11742 178. O       .         .         .         .         .         .         .         .         .         .         .        X.
11748 179.O        .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O       .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.O        .         .         .         .         .         .         .         .         .         .         .         .
11812 183. O       .         .         .         .         .         .         .         .         .         .         .        X.
11818 184.O        .         .         .         .         .         .         .         .         .         .         .         .
11824 185. O       .         .         .         .         .         .         .         .         .         .         .        X.
11830 186.O        .         .         .         .         .         .         .         .         .         .         .         .
11836 187. O       .         .         .         .         .         .         .         .         .         .         .        X.
11842 188.O        .         .         .         .         .         .         .         .         .         .         .         .
11848 189. O       .         .         .         .         .         .         .         .         .         .         .        X.
11854 190.O        .         .         .         .         .         .         .         .         .         .         .         .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.O        .         .         .         .         .         .         .         .         .         .         .         .
11912 193.O        .         .         .         .         .         .         .         .         .         .         .         .
11918 194. O       .         .         .         .         .         .         .         .         .         .         .        X.
11924 195.O        .         .         .         .         .         .         .         .         .         .         .         .
11930 196. O       .         .         .         .         .         .         .         .         .         .         .        X.
11936 197.O        .         .         .         .         .         .         .         .         .         .         .         .
11942 198.O        .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O       .         .         .         .         .         .         .         .         .         .         .        X.
11954 200.O        .         .         .         .         .         .         .         .         .         .         .         .
12000 201.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O        .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .        X.
12018 204.O        .         .         .         .         .         .         .         .         .         .         .         .
12024 205.O        .         .         .         .         .         .         .         .         .         .         .         .
12030 206.O        .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .        X.
12042 208.O        .         .         .         .         .         .         .         .         .         .         .         .
12048 209.O        .         .         .         .         .         .         .         .         .         .         .         .
12054 210.O        .         .         .         .         .         .         .         .         .         .         .         .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .        X.
12112 213.O        .         .         .         .         .         .         .         .         .         .         .         .
12118 214.O        .         .         .         .         .         .         .         .         .         .         .         .
12124 215.O        .         .         .         .         .         .         .         .         .         .         .         .
12130 216.O        .         .         .         .         .         .         .         .         .         .         .         .
12136 217.O        .         .         .         .         .         .         .         .         .         .         .         .
12142 218.O        .         .         .         .         .         .         .         .         .         .         .         .
12148 219.O        .         .         .         .         .         .         .         .         .         .         .         .
12154 220.O        .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222.O        .         .         .         .         .         .         .         .         .         .         .         .
12212 223.O        .         .         .         .         .         .         .         .         .         .         .         .
12218 224.O        .         .         .         .         .         .         .         .         .         .         .         .
12224 225.O        .         .         .         .         .         .         .         .         .         .         .         .
12230 226.O        .         .         .         .         .         .         .         .         .         .         .         .
12236 227.O        .         .         .         .         .         .         .         .         .         .         .         .
12242 228.O        .         .         .         .         .         .         .         .         .         .         .         .
12248 229.O        .         .         .         .         .         .         .         .         .         .         .         .
12254 230.O        .         .         .         .         .         .         .         .         .         .         .         .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O        .         .         .         .         .         .         .         .         .         .         .         .
12312 233.O        .         .         .         .         .         .         .         .         .         .         .         .
12318 234.O        .         .         .         .         .         .         .         .         .         .         .         .
12324 235.O        .         .         .         .         .         .         .         .         .         .         .         .
12330 236.O        .         .         .         .         .         .         .         .         .         .         .         .
12336 237.O        .         .         .         .         .         .         .         .         .         .         .         .
12342 238.O        .         .         .         .         .         .         .         .         .         .         .         .
12348 239.O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240.O        .         .         .         .         .         .         .         .         .         .         .         .
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CALIFONHYDROLOGY

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1

HYDROGRAPH AT STATION SUB B2
PLAN 1, RATIO = 1.00

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.01	.01	.00	0.
1		0012	3	.01	.01	.00	0.
1		0018	4	.01	.01	.00	0.
1		0024	5	.01	.01	.00	0.
1		0030	6	.01	.01	.00	0.
1		0036	7	.01	.01	.00	0.
1		0042	8	.01	.01	.00	0.
1		0048	9	.01	.01	.00	0.
1		0054	10	.01	.01	.00	0.
1		0100	11	.01	.01	.00	0.
1		0106	12	.01	.01	.00	0.
1		0112	13	.01	.01	.00	0.
1		0118	14	.01	.01	.00	0.
1		0124	15	.01	.01	.00	0.
1		0130	16	.01	.01	.00	0.
1		0136	17	.01	.01	.00	0.
1		0142	18	.01	.01	.00	0.
1		0148	19	.01	.01	.00	0.
1		0154	20	.01	.01	.00	0.
1		0200	21	.01	.01	.00	0.
1		0206	22	.01	.01	.00	0.
1		0212	23	.01	.01	.00	0.
1		0218	24	.01	.01	.00	0.
1		0224	25	.01	.01	.00	0.
1		0230	26	.02	.02	.00	0.
1		0236	27	.01	.01	.00	0.
1		0242	28	.01	.01	.00	0.
1		0248	29	.01	.01	.00	0.
1		0254	30	.01	.01	.00	0.
1		0300	31	.01	.01	.00	0.
1		0306	32	.01	.01	.00	0.
1		0312	33	.02	.02	.00	0.
1		0318	34	.01	.01	.00	0.
1		0324	35	.01	.01	.00	0.
1		0330	36	.01	.01	.00	0.
1		0336	37	.01	.01	.00	0.
1		0342	38	.02	.02	.00	0.
1		0348	39	.01	.01	.00	0.
1		0354	40	.01	.01	.00	0.
1		0400	41	.01	.01	.00	0.
1		0406	42	.02	.02	.00	0.
1		0412	43	.01	.01	.00	0.
1		0418	44	.01	.01	.00	0.
1		0424	45	.02	.02	.00	0.
1		0430	46	.01	.01	.00	0.
1		0436	47	.01	.01	.00	0.
1		0442	48	.02	.02	.00	0.
1		0448	49	.01	.01	.00	0.
1		0454	50	.01	.01	.00	0.
1		0500	51	.02	.02	.00	0.
1		0506	52	.01	.01	.00	0.
1		0512	53	.02	.02	.00	0.
1		0518	54	.01	.01	.00	0.
1		0524	55	.02	.02	.00	0.
1		0530	56	.01	.01	.00	0.
1		0536	57	.02	.02	.00	0.
1		0542	58	.01	.01	.00	0.
1		0548	59	.02	.02	.00	0.
1		0554	60	.01	.01	.00	0.
1		0600	61	.02	.02	.00	0.
1		0606	62	.02	.02	.00	0.
1		0612	63	.01	.01	.00	0.
1		0618	64	.02	.02	.00	0.
1		0624	65	.02	.02	.00	0.
1		0630	66	.01	.01	.00	0.
1		0636	67	.02	.02	.00	0.
1		0642	68	.02	.02	.00	0.
1		0648	69	.01	.01	.00	0.
1		0654	70	.02	.02	.00	0.
1		0700	71	.02	.02	.00	0.
1		0706	72	.02	.02	.00	0.
1		0712	73	.02	.02	.00	0.
1		0718	74	.02	.02	.00	0.
1		0724	75	.02	.02	.00	0.
1		0730	76	.02	.02	.00	0.
1		0736	77	.02	.02	.00	0.
1		0742	78	.02	.02	.00	0.
1		0748	79	.02	.02	.00	0.
1		0754	80	.02	.02	.00	0.
1		0800	81	.02	.02	.00	0.
1		0806	82	.02	.02	.00	0.
1		0812	83	.02	.02	.00	0.
1		0818	84	.02	.02	.00	0.
1		0824	85	.02	.02	.00	0.
1		0830	86	.02	.02	.00	0.
1		0836	87	.03	.03	.00	0.
1		0842	88	.02	.02	.00	0.
1		0848	89	.02	.02	.00	0.
1		0854	90	.03	.03	.00	0.
1		0900	91	.03	.03	.00	0.
1		0906	92	.02	.02	.00	0.
1		0912	93	.03	.03	.01	0.
1		0918	94	.03	.03	.01	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1206	122	.67	.19	.48	8.
1		1212	123	.43	.11	.32	6.
1		1218	124	.28	.06	.22	4.
1		1224	125	.13	.03	.10	2.
1		1230	126	.10	.02	.08	2.
1		1236	127	.10	.02	.08	1.
1		1242	128	.09	.02	.07	1.
1		1248	129	.07	.01	.06	1.
1		1254	130	.07	.01	.06	1.
1		1300	131	.06	.01	.05	1.
1		1306	132	.06	.01	.05	1.
1		1312	133	.06	.01	.05	1.
1		1318	134	.05	.01	.04	1.
1		1324	135	.06	.01	.05	1.
1		1330	136	.05	.01	.04	1.
1		1336	137	.04	.01	.03	1.
1		1342	138	.05	.01	.04	1.
1		1348	139	.04	.01	.03	1.
1		1354	140	.04	.01	.03	1.
1		1400	141	.04	.01	.03	1.
1		1406	142	.04	.01	.03	1.
1		1412	143	.04	.01	.03	1.
1		1418	144	.03	.01	.03	0.
1		1424	145	.03	.01	.03	0.
1		1430	146	.04	.01	.03	1.
1		1436	147	.03	.01	.03	0.
1		1442	148	.03	.01	.03	0.
1		1448	149	.02	.00	.02	0.
1		1454	150	.03	.01	.03	0.
1		1500	151	.03	.01	.03	0.
1		1506	152	.03	.01	.03	0.
1		1512	153	.02	.00	.02	0.
1		1518	154	.03	.01	.03	0.
1		1524	155	.02	.00	.02	0.
1		1530	156	.02	.00	.02	0.
1		1536	157	.03	.01	.03	0.
1		1542	158	.02	.00	.02	0.
1		1548	159	.02	.00	.02	0.
1		1554	160	.02	.00	.02	0.
1		1600	161	.02	.00	.02	0.
1		1606	162	.02	.00	.02	0.
1		1612	163	.02	.00	.02	0.
1		1618	164	.02	.00	.02	0.
1		1624	165	.02	.00	.02	0.
1		1630	166	.02	.00	.01	0.
1		1636	167	.02	.00	.02	0.
1		1642	168	.02	.00	.02	0.
1		1648	169	.02	.00	.01	0.
1		1654	170	.02	.00	.01	0.
1		1700	171	.01	.00	.01	0.
1		1706	172	.02	.00	.01	0.
1		1712	173	.02	.00	.01	0.
1		1718	174	.02	.00	.01	0.
1		1724	175	.02	.00	.01	0.
1		1730	176	.01	.00	.01	0.
1		1736	177	.02	.00	.01	0.
1		1742	178	.02	.00	.01	0.
1		1748	179	.01	.00	.01	0.
1		1754	180	.02	.00	.01	0.
1		1800	181	.02	.00	.01	0.
1		1806	182	.01	.00	.01	0.
1		1812	183	.02	.00	.01	0.
1		1818	184	.01	.00	.01	0.
1		1824	185	.02	.00	.01	0.
1		1830	186	.01	.00	.01	0.
1		1836	187	.02	.00	.01	0.
1		1842	188	.01	.00	.01	0.
1		1848	189	.02	.00	.01	0.
1		1854	190	.01	.00	.01	0.
1		1900	191	.02	.00	.01	0.
1		1906	192	.01	.00	.01	0.
1		1912	193	.01	.00	.01	0.
1		1918	194	.02	.00	.01	0.
1		1924	195	.01	.00	.01	0.
1		1930	196	.02	.00	.01	0.
1		1936	197	.01	.00	.01	0.
1		1942	198	.01	.00	.01	0.
1		1948	199	.02	.00	.01	0.
1		1954	200	.01	.00	.01	0.
1		2000	201	.01	.00	.01	0.
1		2006	202	.01	.00	.01	0.
1		2012	203	.02	.00	.01	0.
1		2018	204	.01	.00	.01	0.
1		2024	205	.01	.00	.01	0.
1		2030	206	.01	.00	.01	0.
1		2036	207	.02	.00	.01	0.
1		2042	208	.01	.00	.01	0.
1		2048	209	.01	.00	.01	0.
1		2054	210	.01	.00	.01	0.
1		2100	211	.01	.00	.01	0.
1		2106	212	.02	.00	.01	0.
1		2112	213	.01	.00	.01	0.
1		2118	214	.01	.00	.01	0.
1		2124	215	.01	.00	.01	0.

1	0924	95	.03	.03	.01	0.	*	1	2130	216	.01	.00	.01	0.
1	0930	96	.03	.03	.01	0.	*	1	2136	217	.01	.00	.01	0.
1	0936	97	.03	.03	.01	0.	*	1	2142	218	.01	.00	.01	0.
1	0942	98	.04	.03	.01	0.	*	1	2148	219	.01	.00	.01	0.
1	0948	99	.03	.02	.01	0.	*	1	2154	220	.01	.00	.01	0.
1	0954	100	.04	.03	.01	0.	*	1	2200	221	.02	.00	.01	0.
1	1000	101	.03	.02	.01	0.	*	1	2206	222	.01	.00	.01	0.
1	1006	102	.04	.03	.01	0.	*	1	2212	223	.01	.00	.01	0.
1	1012	103	.04	.03	.01	0.	*	1	2218	224	.01	.00	.01	0.
1	1018	104	.05	.03	.01	0.	*	1	2224	225	.01	.00	.01	0.
1	1024	105	.04	.03	.01	0.	*	1	2230	226	.01	.00	.01	0.
1	1030	106	.05	.03	.02	0.	*	1	2236	227	.01	.00	.01	0.
1	1036	107	.05	.03	.02	0.	*	1	2242	228	.01	.00	.01	0.
1	1042	108	.05	.03	.02	0.	*	1	2248	229	.01	.00	.01	0.
1	1048	109	.06	.04	.02	0.	*	1	2254	230	.01	.00	.01	0.
1	1054	110	.06	.03	.02	0.	*	1	2300	231	.01	.00	.01	0.
1	1100	111	.06	.04	.03	0.	*	1	2306	232	.01	.00	.01	0.
1	1106	112	.06	.04	.03	0.	*	1	2312	233	.01	.00	.01	0.
1	1112	113	.06	.04	.03	0.	*	1	2318	234	.01	.00	.01	0.
1	1118	114	.08	.05	.03	1.	*	1	2324	235	.01	.00	.01	0.
1	1124	115	.09	.05	.04	1.	*	1	2330	236	.01	.00	.01	0.
1	1130	116	.09	.05	.04	1.	*	1	2336	237	.01	.00	.01	0.
1	1136	117	.11	.06	.05	1.	*	1	2342	238	.01	.00	.01	0.
1	1142	118	.13	.06	.07	1.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.28	.13	.15	2.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.42	.17	.25	4.	*	2	0000	241	.01	.00	.01	0.
1	1200	121	.67	.23	.44	7.	*							

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    TOTAL RAINFALL =     8.00, TOTAL LOSS =     3.42, TOTAL EXCESS =     4.58

  PEAK FLOW       TIME                               MAXIMUM AVERAGE FLOW
                                          6-HR          24-HR          72-HR        24.00-HR
+   (CFS)         (HR)
                                (CFS)
+       8.        12.10                      1.             0.             0.              0.
                              (INCHES)     3.731          4.574          4.574           4.574
                              (AC-FT)         1.             1.             1.              1.

                            CUMULATIVE AREA =      .00 SQ MI
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1                                                        STATION     SUB B2

                           (O) OUTFLOW
          0.         1.         2.         3.         4.         5.         6.         7.         8.         0.         0.         0.         0.
                                                                                                                 (L) PRECIP,  (X) EXCESS
          .0         .0         .0         .0         .0         .0         .0         .0         .8         .6         .4         .2         .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
 10530  560         .         .         .         .         .         .         .         .         .         .         .         .
 10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
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10542  580         .         .         .         .         .         .         .         .         .         .         .        .
10548  590         .         .         .         .         .         .         .         .         .         .         .       L.
10554  600         .         .         .         .         .         .         .         .         .         .         .        .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620         .         .         .         .         .         .         .         .         .         .         .       L.
10612  630         .         .         .         .         .         .         .         .         .         .         .        .
10618  640         .         .         .         .         .         .         .         .         .         .         .       L.
10624  650         .         .         .         .         .         .         .         .         .         .         .       L.
10630  660         .         .         .         .         .         .         .         .         .         .         .        .
10636  670         .         .         .         .         .         .         .         .         .         .         .       L.
10642  680         .         .         .         .         .         .         .         .         .         .         .       L.
10648  690         .         .         .         .         .         .         .         .         .         .         .        .
10654  700         .         .         .         .         .         .         .         .         .         .         .       L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .       L.
10712  730         .         .         .         .         .         .         .         .         .         .         .       L.
10718  740         .         .         .         .         .         .         .         .         .         .         .       L.
10724  750         .         .         .         .         .         .         .         .         .         .         .       L.
10730  760         .         .         .         .         .         .         .         .         .         .         .       L.
10736  770         .         .         .         .         .         .         .         .         .         .         .       L.
10742  780         .         .         .         .         .         .         .         .         .         .         .       L.
10748  790         .         .         .         .         .         .         .         .         .         .         .       L.
10754  800         .         .         .         .         .         .         .         .         .         .         .       L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .       L.
10812  830         .         .         .         .         .         .         .         .         .         .         .       L.
10818  840         .         .         .         .         .         .         .         .         .         .         .       L.
10824  850         .         .         .         .         .         .         .         .         .         .         .       L.
10830  860         .         .         .         .         .         .         .         .         .         .         .       L.
10836  87.O        .         .         .         .         .         .         .         .         .         .         .      LL.
10842  88.O        .         .         .         .         .         .         .         .         .         .         .       L.
10848  89.O        .         .         .         .         .         .         .         .         .         .         .       L.
10854  90.O        .         .         .         .         .         .         .         .         .         .         .      LL.
10900  91.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  92.O        .         .         .         .         .         .         .         .         .         .         .       L.
10912  93.O        .         .         .         .         .         .         .         .         .         .         .      LL.
10918  94.O        .         .         .         .         .         .         .         .         .         .         .      LL.
10924  95.O        .         .         .         .         .         .         .         .         .         .         .      LL.
10930  96.O        .         .         .         .         .         .         .         .         .         .         .      LL.
10936  97.O        .         .         .         .         .         .         .         .         .         .         .      LL.
10942  98. O       .         .         .         .         .         .         .         .         .         .         .      LL.
10948  99.O        .         .         .         .         .         .         .         .         .         .         .      LL.
10954 100. O       .         .         .         .         .         .         .         .         .         .         .      LX.
11000 101. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 102. O       .         .         .         .         .         .         .         .         .         .         .      LX.
11012 103. O       .         .         .         .         .         .         .         .         .         .         .      LX.
11018 104. O       .         .         .         .         .         .         .         .         .         .         .      LX.
11024 105. O       .         .         .         .         .         .         .         .         .         .         .      LX.
11030 106.  O      .         .         .         .         .         .         .         .         .         .         .      LX.
11036 107.  O      .         .         .         .         .         .         .         .         .         .         .      LX.
11042 108.  O      .         .         .         .         .         .         .         .         .         .         .      LX.
11048 109.  O      .         .         .         .         .         .         .         .         .         .         .     LLX.
11054 110.   O     .         .         .         .         .         .         .         .         .         .         .     LLX.
11100 111. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.   O     .         .         .         .         .         .         .         .         .         .         .     LLX.
11112 113.    O    .         .         .         .         .         .         .         .         .         .         .     LLX.
11118 114.     O   .         .         .         .         .         .         .         .         .         .         .    LLXX.
11124 115.      O  .         .         .         .         .         .         .         .         .         .         .    LLXX.
11130 116.      O  .         .         .         .         .         .         .         .         .         .         .    LLXX.
11136 117.        O.         .         .         .         .         .         .         .         .         .         .  LLLXXX.
11142 118.         .O        .         .         .         .         .         .         .         .         .         .  LLLXXX.
11148 119.         .         . O       .         .         .         .         .         .         .         .    LLLLLLXXXXXXXX.
11154 120.         .         .         .       O .         .         .         .         .         .       LLLLLLLLXXXXXXXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .O. . . . . . . . . LLLLLLLLLLLLXXXXXXXXXXXXXXXXXXXXXX.
11206 122.         .         .         .         .         .         .         .         .         O     LLLLLLLLLLXXXXXXXXXXXXXXXXXXXXXXXX.
11212 123.         .         .         .         .         .         .  O      .         .         .       LLLLLLXXXXXXXXXXXXXXXX.
11218 124.         .         .         .         .   O     .         .         .         .         .    LLLXXXXXXXXXXXX.
11224 125.         .         .   O     .         .         .         .         .         .         .         .   LXXXXX.
11230 126.         .     O   .         .         .         .         .         .         .         .         .  LXXXX.
11236 127.         .   O     .         .         .         .         .         .         .         .         .  LXXXX.
11242 128.         .  O      .         .         .         .         .         .         .         .         .   LXXX.
11248 129.         .O        .         .         .         .         .         .         .         .         .   LXXX.
11254 130.         O         .         .         .         .         .         .         .         .         .   LXXX.
11300 131. . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .XXX.
11306 132.       O .         .         .         .         .         .         .         .         .         .    LXX.
11312 133.        O.         .         .         .         .         .         .         .         .         .    XXX.
11318 134.      O  .         .         .         .         .         .         .         .         .         .     XX.
11324 135.       O .         .         .         .         .         .         .         .         .         .    LXX.
11330 136.      O  .         .         .         .         .         .         .         .         .         .     XX.
11336 137.     O   .         .         .         .         .         .         .         .         .         .     XX.
11342 138.      O  .         .         .         .         .         .         .         .         .         .     XX.
11348 139.     O   .         .         .         .         .         .         .         .         .         .     XX.
11354 140.     O   .         .         .         .         .         .         .         .         .         .     XX.
11400 141. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11406 142.     O   .         .         .         .         .         .         .         .         .         .     XX.
11412 143.     O   .         .         .         .         .         .         .         .         .         .     XX.
11418 144.    O    .         .         .         .         .         .         .         .         .         .     LX.
11424 145.    O    .         .         .         .         .         .         .         .         .         .     LX.
11430 146.    O    .         .         .         .         .         .         .         .         .         .     XX.
11436 147.    O    .         .         .         .         .         .         .         .         .         .     LX.
11442 148.    O    .         .         .         .         .         .         .         .         .         .     LX.
11448 149.   O     .         .         .         .         .         .         .         .         .         .      X.
11454 150.   O     .         .         .         .         .         .         .         .         .         .     LX.
11500 151. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11506 152.    O    .         .         .         .         .         .         .         .         .         .     LX.
11512 153.   O     .         .         .         .         .         .         .         .         .         .      X.
11518 154.   O     .         .         .         .         .         .         .         .         .         .     LX.
11524 155.   O     .         .         .         .         .         .         .         .         .         .      X.
11530 156.   O     .         .         .         .         .         .         .         .         .         .      X.
11536 157.   O     .         .         .         .         .         .         .         .         .         .     LX.
11542 158.   O     .         .         .         .         .         .         .         .         .         .      X.
11548 159.   O     .         .         .         .         .         .         .         .         .         .      X.
11554 160.   O     .         .         .         .         .         .         .         .         .         .      X.
11600 161. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.   O     .         .         .         .         .         .         .         .         .         .      X.
11612 163.   O     .         .         .         .         .         .         .         .         .         .      X.
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11618 164.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11654 170. O       .         .         .         .         .         .         .         .         .         .         .        X.
11700 171.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O       .         .         .         .         .         .         .         .         .         .         .        X.
11712 173. O       .         .         .         .         .         .         .         .         .         .         .        X.
11718 174. O       .         .         .         .         .         .         .         .         .         .         .        X.
11724 175. O       .         .         .         .         .         .         .         .         .         .         .        X.
11730 176.O        .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O       .         .         .         .         .         .         .         .         .         .         .        X.
11742 178. O       .         .         .         .         .         .         .         .         .         .         .        X.
11748 179.O        .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O       .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.O        .         .         .         .         .         .         .         .         .         .         .         .
11812 183. O       .         .         .         .         .         .         .         .         .         .         .        X.
11818 184.O        .         .         .         .         .         .         .         .         .         .         .         .
11824 185. O       .         .         .         .         .         .         .         .         .         .         .        X.
11830 186.O        .         .         .         .         .         .         .         .         .         .         .         .
11836 187. O       .         .         .         .         .         .         .         .         .         .         .        X.
11842 188.O        .         .         .         .         .         .         .         .         .         .         .         .
11848 189. O       .         .         .         .         .         .         .         .         .         .         .        X.
11854 190.O        .         .         .         .         .         .         .         .         .         .         .         .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.O        .         .         .         .         .         .         .         .         .         .         .         .
11912 193.O        .         .         .         .         .         .         .         .         .         .         .         .
11918 194. O       .         .         .         .         .         .         .         .         .         .         .        X.
11924 195.O        .         .         .         .         .         .         .         .         .         .         .         .
11930 196. O       .         .         .         .         .         .         .         .         .         .         .        X.
11936 197.O        .         .         .         .         .         .         .         .         .         .         .         .
11942 198.O        .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O       .         .         .         .         .         .         .         .         .         .         .        X.
11954 200.O        .         .         .         .         .         .         .         .         .         .         .         .
12000 201.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O        .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .        X.
12018 204.O        .         .         .         .         .         .         .         .         .         .         .         .
12024 205.O        .         .         .         .         .         .         .         .         .         .         .         .
12030 206.O        .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .        X.
12042 208.O        .         .         .         .         .         .         .         .         .         .         .         .
12048 209.O        .         .         .         .         .         .         .         .         .         .         .         .
12054 210.O        .         .         .         .         .         .         .         .         .         .         .         .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .        X.
12112 213.O        .         .         .         .         .         .         .         .         .         .         .         .
12118 214.O        .         .         .         .         .         .         .         .         .         .         .         .
12124 215.O        .         .         .         .         .         .         .         .         .         .         .         .
12130 216.O        .         .         .         .         .         .         .         .         .         .         .         .
12136 217.O        .         .         .         .         .         .         .         .         .         .         .         .
12142 218.O        .         .         .         .         .         .         .         .         .         .         .         .
12148 219.O        .         .         .         .         .         .         .         .         .         .         .         .
12154 220.O        .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222.O        .         .         .         .         .         .         .         .         .         .         .         .
12212 223.O        .         .         .         .         .         .         .         .         .         .         .         .
12218 224.O        .         .         .         .         .         .         .         .         .         .         .         .
12224 225.O        .         .         .         .         .         .         .         .         .         .         .         .
12230 226.O        .         .         .         .         .         .         .         .         .         .         .         .
12236 227.O        .         .         .         .         .         .         .         .         .         .         .         .
12242 228.O        .         .         .         .         .         .         .         .         .         .         .         .
12248 229.O        .         .         .         .         .         .         .         .         .         .         .         .
12254 230.O        .         .         .         .         .         .         .         .         .         .         .         .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O        .         .         .         .         .         .         .         .         .         .         .         .
12312 233.O        .         .         .         .         .         .         .         .         .         .         .         .
12318 234.O        .         .         .         .         .         .         .         .         .         .         .         .
12324 235.O        .         .         .         .         .         .         .         .         .         .         .         .
12330 236.O        .         .         .         .         .         .         .         .         .         .         .         .
12336 237.O        .         .         .         .         .         .         .         .         .         .         .         .
12342 238.O        .         .         .         .         .         .         .         .         .         .         .         .
12348 239.O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240.O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1

*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

            **************
            *            *
86 KK       *   COMB1    *         COMBINE FLOWS FROM SUB B1 & SUB B2
            *            *
            **************

88 KO           OUTPUT CONTROL VARIABLES
                      IPRNT          2  PRINT CONTROL
                      IPLOT          2  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE

89 HC           HYDROGRAPH COMBINATION
                      ICOMP          2  NUMBER OF HYDROGRAPHS TO COMBINE
                                                                 ***

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                                              HYDROGRAPH AT STATION    COMB1
                                                  SUM OF  2 HYDROGRAPHS
                                                 PLAN 1,   RATIO =   .54
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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	7.	1		1818	184	1.
1		0006	2	0.	1		0612	63	0.	1		1218	124	10.	1		1824	185	1.
1		0012	3	0.	1		0618	64	0.	1		1224	125	12.	1		1830	186	1.
1		0018	4	0.	1		0624	65	0.	1		1230	126	15.	1		1836	187	1.
1		0024	5	0.	1		0630	66	0.	1		1236	127	16.	1		1842	188	1.
1		0030	6	0.	1		0636	67	0.	1		1242	128	17.	1		1848	189	1.
1		0036	7	0.	1		0642	68	0.	1		1248	129	16.	1		1854	190	1.
1		0042	8	0.	1		0648	69	0.	1		1254	130	15.	1		1900	191	1.
1		0048	9	0.	1		0654	70	0.	1		1300	131	13.	1		1906	192	1.
1		0054	10	0.	1		0700	71	0.	1		1306	132	12.	1		1912	193	1.
1		0100	11	0.	1		0706	72	0.	1		1312	133	11.	1		1918	194	1.
1		0106	12	0.	1		0712	73	0.	1		1318	134	9.	1		1924	195	1.
1		0112	13	0.	1		0718	74	0.	1		1324	135	9.	1		1930	196	1.
1		0118	14	0.	1		0724	75	0.	1		1330	136	8.	1		1936	197	1.
1		0124	15	0.	1		0730	76	0.	1		1336	137	7.	1		1942	198	1.
1		0130	16	0.	1		0736	77	0.	1		1342	138	7.	1		1948	199	1.
1		0136	17	0.	1		0742	78	0.	1		1348	139	6.	1		1954	200	1.
1		0142	18	0.	1		0748	79	0.	1		1354	140	6.	1		2000	201	1.
1		0148	19	0.	1		0754	80	0.	1		1400	141	5.	1		2006	202	1.
1		0154	20	0.	1		0800	81	0.	1		1406	142	5.	1		2012	203	1.
1		0200	21	0.	1		0806	82	0.	1		1412	143	5.	1		2018	204	1.
1		0206	22	0.	1		0812	83	0.	1		1418	144	4.	1		2024	205	1.
1		0212	23	0.	1		0818	84	0.	1		1424	145	4.	1		2030	206	1.
1		0218	24	0.	1		0824	85	0.	1		1430	146	4.	1		2036	207	1.
1		0224	25	0.	1		0830	86	0.	1		1436	147	4.	1		2042	208	1.
1		0230	26	0.	1		0836	87	0.	1		1442	148	4.	1		2048	209	1.
1		0236	27	0.	1		0842	88	0.	1		1448	149	4.	1		2054	210	1.
1		0242	28	0.	1		0848	89	0.	1		1454	150	4.	1		2100	211	1.
1		0248	29	0.	1		0854	90	0.	1		1500	151	3.	1		2106	212	1.
1		0254	30	0.	1		0900	91	0.	1		1506	152	3.	1		2112	213	1.
1		0300	31	0.	1		0906	92	0.	1		1512	153	3.	1		2118	214	1.
1		0306	32	0.	1		0912	93	0.	1		1518	154	3.	1		2124	215	1.
1		0312	33	0.	1		0918	94	0.	1		1524	155	3.	1		2130	216	1.
1		0318	34	0.	1		0924	95	0.	1		1530	156	3.	1		2136	217	1.
1		0324	35	0.	1		0930	96	0.	1		1536	157	3.	1		2142	218	1.
1		0330	36	0.	1		0936	97	0.	1		1542	158	3.	1		2148	219	1.
1		0336	37	0.	1		0942	98	0.	1		1548	159	3.	1		2154	220	1.
1		0342	38	0.	1		0948	99	0.	1		1554	160	3.	1		2200	221	1.
1		0348	39	0.	1		0954	100	0.	1		1600	161	3.	1		2206	222	1.
1		0354	40	0.	1		1000	101	0.	1		1606	162	3.	1		2212	223	1.
1		0400	41	0.	1		1006	102	0.	1		1612	163	3.	1		2218	224	1.
1		0406	42	0.	1		1012	103	0.	1		1618	164	3.	1		2224	225	1.
1		0412	43	0.	1		1018	104	0.	1		1624	165	3.	1		2230	226	1.
1		0418	44	0.	1		1024	105	0.	1		1630	166	2.	1		2236	227	1.
1		0424	45	0.	1		1030	106	0.	1		1636	167	2.	1		2242	228	1.
1		0430	46	0.	1		1036	107	0.	1		1642	168	2.	1		2248	229	1.
1		0436	47	0.	1		1042	108	0.	1		1648	169	2.	1		2254	230	1.
1		0442	48	0.	1		1048	109	0.	1		1654	170	2.	1		2300	231	1.
1		0448	49	0.	1		1054	110	0.	1		1700	171	2.	1		2306	232	1.
1		0454	50	0.	1		1100	111	0.	1		1706	172	2.	1		2312	233	1.
1		0500	51	0.	1		1106	112	0.	1		1712	173	2.	1		2318	234	1.
1		0506	52	0.	1		1112	113	0.	1		1718	174	2.	1		2324	235	1.
1		0512	53	0.	1		1118	114	0.	1		1724	175	2.	1		2330	236	1.
1		0518	54	0.	1		1124	115	0.	1		1730	176	2.	1		2336	237	1.
1		0524	55	0.	1		1130	116	0.	1		1736	177	2.	1		2342	238	1.
1		0530	56	0.	1		1136	117	0.	1		1742	178	2.	1		2348	239	1.
1		0536	57	0.	1		1142	118	0.	1		1748	179	2.	1		2354	240	1.
1		0542	58	0.	1		1148	119	1.	1		1754	180	2.	2		0000	241	1.
1		0548	59	0.	1		1154	120	2.	1		1800	181	2.					
1		0554	60	0.	1		1200	121	4.	1		1806	182	1.					
1		0600	61	0.	1		1206	122	6.	1		1812	183	1.					

```
  PEAK FLOW      TIME                            MAXIMUM AVERAGE FLOW
                                        6-HR        24-HR        72-HR       24.00-HR
+   (CFS)        (HR)
                               (CFS)
+     17.       12.70                    5.           2.           2.            2.
                              (INCHES)  .946        1.153        1.153         1.153
                              (AC-FT)    3.           3.           3.            3.

                              CUMULATIVE AREA =      .05 SQ MI

1                                                        STATION     COMB1

                        (O) OUTFLOW
           0.        2.        4.        6.        8.       10.       12.       14.       16.       18.        0.        0.        0.
 DAHRMN PER
 10000    1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006    2O         .         .         .         .         .         .         .         .         .         .         .         .
 10012    3O         .         .         .         .         .         .         .         .         .         .         .         .
 10018    4O         .         .         .         .         .         .         .         .         .         .         .         .
 10024    5O         .         .         .         .         .         .         .         .         .         .         .         .
 10030    6O         .         .         .         .         .         .         .         .         .         .         .         .
 10036    7O         .         .         .         .         .         .         .         .         .         .         .         .
 10042    8O         .         .         .         .         .         .         .         .         .         .         .         .
 10048    9O         .         .         .         .         .         .         .         .         .         .         .         .
 10054   10O         .         .         .         .         .         .         .         .         .         .         .         .
 10100   11O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106   12O         .         .         .         .         .         .         .         .         .         .         .         .
 10112   13O         .         .         .         .         .         .         .         .         .         .         .         .
 10118   14O         .         .         .         .         .         .         .         .         .         .         .         .
 10124   15O         .         .         .         .         .         .         .         .         .         .         .         .
 10130   16O         .         .         .         .         .         .         .         .         .         .         .         .
 10136   17O         .         .         .         .         .         .         .         .         .         .         .         .
 10142   18O         .         .         .         .         .         .         .         .         .         .         .         .
 10148   19O         .         .         .         .         .         .         .         .         .         .         .         .
 10154   20O         .         .         .         .         .         .         .         .         .         .         .         .
 10200   21O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206   22O         .         .         .         .         .         .         .         .         .         .         .         .
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```
10212  230
10218  240
10224  250
10230  260
10236  270
10242  280
10248  290
10254  300
10300  310
10306  320
10312  330
10318  340
10324  350
10330  360
10336  370
10342  380
10348  390
10354  400
10400  410
10406  420
10412  430
10418  440
10424  450
10430  460
10436  470
10442  480
10448  490
10454  500
10500  510
10506  520
10512  530
10518  540
10524  550
10530  560
10536  570
10542  580
10548  590
10554  600
10600  610
10606  620
10612  630
10618  640
10624  650
10630  660
10636  670
10642  680
10648  690
10654  700
10700  710
10706  720
10712  730
10718  740
10724  750
10730  760
10736  770
10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  850
10830  860
10836  870
10842  880
10848  890
10854  900
10900  910
10906  920
10912  930
10918  940
10924  950
10930  960
10936  970
10942  980
10948  990
10954 1000
11000 1010
11006 1020
11012 1030
11018 1040
11024 1050
11030 1060
11036 1070
11042 1080
11048 1090
11054 1100
11100 1110
11106 1120
11112 1130
11118 114.O
11124 115.O
11130 116.O
11136 117.O
11142 118. O
11148 119.   O
11154 120.       O.
11200 121. . . . . . . . O
11206 122.                         O
11212 123.                                 O
11218 124.                                            O
11224 125.                                                       O
11230 126.                                                                   O
11236 127.                                                                          O
11242 128.                                                                            O
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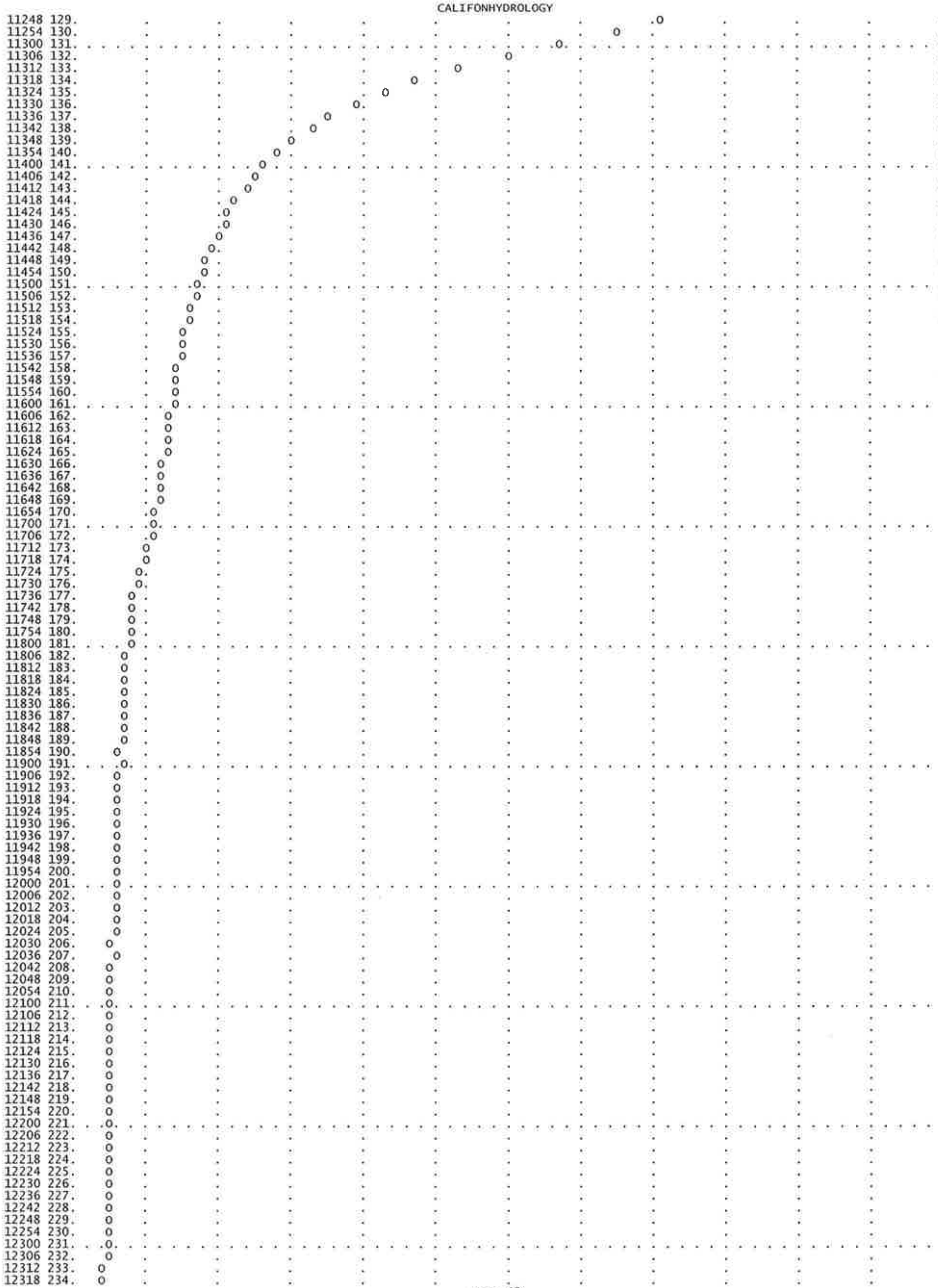
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
11748 179.
11754 180.
11800 181.
11806 182.
11812 183.
11818 184.
11824 185.
11830 186.
11836 187.
11842 188.
11848 189.
11854 190.
11900 191.
11906 192.
11912 193.
11918 194.
11924 195.
11930 196.
11936 197.
11942 198.
11948 199.
11954 200.
12000 201.
12006 202.
12012 203.
12018 204.
12024 205.
12030 206.
12036 207.
12042 208.
12048 209.
12054 210.
12100 211.
12106 212.
12112 213.
12118 214.
12124 215.
12130 216.
12136 217.
12142 218.
12148 219.
12154 220.
12200 221.
12206 222.
12212 223.
12218 224.
12224 225.
12230 226.
12236 227.
12242 228.
12248 229.
12254 230.
12300 231.
12306 232.
12312 233.
12318 234.

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 12324 235.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12330 236.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12336 237.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12342 238.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12348 239.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12354 240.   O     .         .         .         .         .         .         .         .         .         .         .         .
 20000 241.---O-----.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1
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HYDROGRAPH AT STATION COMB1
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .63

DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW
1	0000	1	0.	1	0606	62	0.	1	1212	123	12.	1	1818	184	2.
1	0006	2	0.	1	0612	63	0.	1	1218	124	15.	1	1824	185	2.
1	0012	3	0.	1	0618	64	0.	1	1224	125	19.	1	1830	186	2.
1	0018	4	0.	1	0624	65	0.	1	1230	126	22.	1	1836	187	2.
1	0024	5	0.	1	0630	66	0.	1	1236	127	24.	1	1842	188	2.
1	0030	6	0.	1	0636	67	0.	1	1242	128	24.	1	1848	189	2.
1	0036	7	0.	1	0642	68	0.	1	1248	129	23.	1	1854	190	2.
1	0042	8	0.	1	0648	69	0.	1	1254	130	21.	1	1900	191	2.
1	0048	9	0.	1	0654	70	0.	1	1300	131	19.	1	1906	192	2.
1	0054	10	0.	1	0700	71	0.	1	1306	132	17.	1	1912	193	2.
1	0100	11	0.	1	0706	72	0.	1	1312	133	15.	1	1918	194	2.
1	0106	12	0.	1	0712	73	0.	1	1318	134	13.	1	1924	195	2.
1	0112	13	0.	1	0718	74	0.	1	1324	135	12.	1	1930	196	2.
1	0118	14	0.	1	0724	75	0.	1	1330	136	11.	1	1936	197	2.
1	0124	15	0.	1	0730	76	0.	1	1336	137	10.	1	1942	198	2.
1	0130	16	0.	1	0736	77	0.	1	1342	138	9.	1	1948	199	2.
1	0136	17	0.	1	0742	78	0.	1	1348	139	8.	1	1954	200	2.
1	0142	18	0.	1	0748	79	0.	1	1354	140	8.	1	2000	201	1.
1	0148	19	0.	1	0754	80	0.	1	1400	141	7.	1	2006	202	1.
1	0154	20	0.	1	0800	81	0.	1	1406	142	7.	1	2012	203	2.
1	0200	21	0.	1	0806	82	0.	1	1412	143	6.	1	2018	204	1.
1	0206	22	0.	1	0812	83	0.	1	1418	144	6.	1	2024	205	1.
1	0212	23	0.	1	0818	84	0.	1	1424	145	6.	1	2030	206	1.
1	0218	24	0.	1	0824	85	0.	1	1430	146	5.	1	2036	207	1.
1	0224	25	0.	1	0830	86	0.	1	1436	147	5.	1	2042	208	1.
1	0230	26	0.	1	0836	87	0.	1	1442	148	5.	1	2048	209	1.
1	0236	27	0.	1	0842	88	0.	1	1448	149	5.	1	2054	210	1.
1	0242	28	0.	1	0848	89	0.	1	1454	150	5.	1	2100	211	1.
1	0248	29	0.	1	0854	90	0.	1	1500	151	4.	1	2106	212	1.
1	0254	30	0.	1	0900	91	0.	1	1506	152	4.	1	2112	213	1.
1	0300	31	0.	1	0906	92	0.	1	1512	153	4.	1	2118	214	1.
1	0306	32	0.	1	0912	93	0.	1	1518	154	4.	1	2124	215	1.
1	0312	33	0.	1	0918	94	0.	1	1524	155	4.	1	2130	216	1.
1	0318	34	0.	1	0924	95	0.	1	1530	156	4.	1	2136	217	1.
1	0324	35	0.	1	0930	96	0.	1	1536	157	4.	1	2142	218	1.
1	0330	36	0.	1	0936	97	0.	1	1542	158	4.	1	2148	219	1.
1	0336	37	0.	1	0942	98	0.	1	1548	159	4.	1	2154	220	1.
1	0342	38	0.	1	0948	99	0.	1	1554	160	4.	1	2200	221	1.
1	0348	39	0.	1	0954	100	0.	1	1600	161	4.	1	2206	222	1.
1	0354	40	0.	1	1000	101	0.	1	1606	162	3.	1	2212	223	1.
1	0400	41	0.	1	1006	102	0.	1	1612	163	3.	1	2218	224	1.
1	0406	42	0.	1	1012	103	0.	1	1618	164	3.	1	2224	225	1.
1	0412	43	0.	1	1018	104	0.	1	1624	165	3.	1	2230	226	1.
1	0418	44	0.	1	1024	105	0.	1	1630	166	3.	1	2236	227	1.
1	0424	45	0.	1	1030	106	0.	1	1636	167	3.	1	2242	228	1.
1	0430	46	0.	1	1036	107	0.	1	1642	168	3.	1	2248	229	1.
1	0436	47	0.	1	1042	108	0.	1	1648	169	3.	1	2254	230	1.
1	0442	48	0.	1	1048	109	0.	1	1654	170	3.	1	2300	231	1.
1	0448	49	0.	1	1054	110	0.	1	1700	171	3.	1	2306	232	1.
1	0454	50	0.	1	1100	111	0.	1	1706	172	3.	1	2312	233	1.
1	0500	51	0.	1	1106	112	0.	1	1712	173	3.	1	2318	234	1.
1	0506	52	0.	1	1112	113	0.	1	1718	174	3.	1	2324	235	1.
1	0512	53	0.	1	1118	114	0.	1	1724	175	2.	1	2330	236	1.
1	0518	54	0.	1	1124	115	0.	1	1730	176	2.	1	2336	237	1.
1	0524	55	0.	1	1130	116	1.	1	1736	177	2.	1	2342	238	1.
1	0530	56	0.	1	1136	117	1.	1	1742	178	2.	1	2348	239	1.
1	0536	57	0.	1	1142	118	1.	1	1748	179	2.	1	2354	240	1.
1	0542	58	0.	1	1148	119	2.	1	1754	180	2.	2	0000	241	1.
1	0548	59	0.	1	1154	120	3.	1	1800	181	2.				
1	0554	60	0.	1	1200	121	6.	1	1806	182	2.				
1	0600	61	0.	1	1206	122	9.	1	1812	183	2.				

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 PEAK FLOW      TIME                              MAXIMUM AVERAGE FLOW
                                         6-HR        24-HR       72-HR      24.00-HR
+   (CFS)       (HR)
                             (CFS)
+     24.      12.70                       7.           2.          2.          2.
                            (INCHES)    1.313        1.588       1.588       1.588
                             (AC-FT)       4.           4.          4.          4.

                           CUMULATIVE AREA =      .05 SQ MI
1                                                        STATION     COMB1

                           (O) OUTFLOW
          0.          4.          8.         12.         16.         20.         24.         28.          0.          0.          0.          0.          0.
 DAHRMN PER
  10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
  10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
  10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
  10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
  10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
  10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
  10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
  10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
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10048	90
10054	100
10100	110
10106	120
10112	130
10118	140
10124	150
10130	160
10136	170
10142	180
10148	190
10154	200
10200	210
10206	220
10212	230
10218	240
10224	250
10230	260
10236	270
10242	280
10248	290
10254	300
10300	310
10306	320
10312	330
10318	340
10324	350
10330	360
10336	370
10342	380
10348	390
10354	400
10400	410
10406	420
10412	430
10418	440
10424	450
10430	460
10436	470
10442	480
10448	490
10454	500
10500	510
10506	520
10512	530
10518	540
10524	550
10530	560
10536	570
10542	580
10548	590
10554	600
10600	610
10606	620
10612	630
10618	640
10624	650
10630	660
10636	670
10642	680
10648	690
10654	700
10700	710
10706	720
10712	730
10718	740
10724	750
10730	760
10736	770
10742	780
10748	790
10754	800
10800	810
10806	820
10812	830
10818	840
10824	850
10830	860
10836	870
10842	880
10848	890
10854	900
10900	910
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10912	930
10918	940
10924	950
10930	960
10936	970
10942	980
10948	990
10954	1000
11000	1010
11006	1020
11012	1030
11018	1040
11024	1050
11030	1060
11036	1070
11042	1080
11048	1090
11054	1100
11100	1110
11106	1120
11112	113.0
11118	114.0

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11124 115.o        .         .         .         .         .         .         .         .         .         .         .         .
11130 116. o       .         .         .         .         .         .         .         .         .         .         .         .
11136 117. o       .         .         .         .         .         .         .         .         .         .         .         .
11142 118.  o      .         .         .         .         .         .         .         .         .         .         .         .
11148 119.    o    .         .         .         .         .         .         .         .         .         .         .         .
11154 120.       o .         .         .         .         .         .         .         .         .         .         .         .
11200 121. . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         .         . o       .         .         .         .         .         .         .         .         .         .
11212 123.         .         .        o.         .         .         .         .         .         .         .         .         .
11218 124.         .         .         .       o .         .         .         .         .         .         .         .         .
11224 125.         .         .         .         .      o  .         .         .         .         .         .         .         .
11230 126.         .         .         .         .         .    o    .         .         .         .         .         .         .
11236 127.         .         .         .         .         .         o         .         .         .         .         .         .
11242 128.         .         .         .         .         .         .o        .         .         .         .         .         .
11248 129.         .         .         .         .         .       o .         .         .         .         .         .         .
11254 130.         .         .         .         .         .  o      .         .         .         .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .         .o        .         .         .         .         .         .         .         .
11312 133.         .         .         .      o  .         .         .         .         .         .         .         .         .
11318 134.         .         .         . o       .         .         .         .         .         .         .         .         .
11324 135.         .         .        o.         .         .         .         .         .         .         .         .         .
11330 136.         .         .     o   .         .         .         .         .         .         .         .         .         .
11336 137.         .         .   o     .         .         .         .         .         .         .         .         .         .
11342 138.         .         . o       .         .         .         .         .         .         .         .         .         .
11348 139.         .         o         .         .         .         .         .         .         .         .         .         .
11354 140.         .        o.         .         .         .         .         .         .         .         .         .         .
11400 141. . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .     o   .         .         .         .         .         .         .         .         .         .         .
11412 143.         .     o   .         .         .         .         .         .         .         .         .         .         .
11418 144.         .    o    .         .         .         .         .         .         .         .         .         .         .
11424 145.         .   o     .         .         .         .         .         .         .         .         .         .         .
11430 146.         .   o     .         .         .         .         .         .         .         .         .         .         .
11436 147.         .  o      .         .         .         .         .         .         .         .         .         .         .
11442 148.         .  o      .         .         .         .         .         .         .         .         .         .         .
11448 149.         . o       .         .         .         .         .         .         .         .         .         .         .
11454 150.         . o       .         .         .         .         .         .         .         .         .         .         .
11500 151. . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.         .o        .         .         .         .         .         .         .         .         .         .         .
11512 153.         o         .         .         .         .         .         .         .         .         .         .         .
11518 154.         o         .         .         .         .         .         .         .         .         .         .         .
11524 155.         o         .         .         .         .         .         .         .         .         .         .         .
11530 156.         o         .         .         .         .         .         .         .         .         .         .         .
11536 157.         o         .         .         .         .         .         .         .         .         .         .         .
11542 158.        o.         .         .         .         .         .         .         .         .         .         .         .
11548 159.        o.         .         .         .         .         .         .         .         .         .         .         .
11554 160.        o.         .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.        o.         .         .         .         .         .         .         .         .         .         .         .
11612 163.        o.         .         .         .         .         .         .         .         .         .         .         .
11618 164.       o .         .         .         .         .         .         .         .         .         .         .         .
11624 165.       o .         .         .         .         .         .         .         .         .         .         .         .
11630 166.       o .         .         .         .         .         .         .         .         .         .         .         .
11636 167.       o .         .         .         .         .         .         .         .         .         .         .         .
11642 168.       o .         .         .         .         .         .         .         .         .         .         .         .
11648 169.       o .         .         .         .         .         .         .         .         .         .         .         .
11654 170.      o  .         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.      o  .         .         .         .         .         .         .         .         .         .         .         .
11712 173.      o  .         .         .         .         .         .         .         .         .         .         .         .
11718 174.     o   .         .         .         .         .         .         .         .         .         .         .         .
11724 175.     o   .         .         .         .         .         .         .         .         .         .         .         .
11730 176.     o   .         .         .         .         .         .         .         .         .         .         .         .
11736 177.    o    .         .         .         .         .         .         .         .         .         .         .         .
11742 178.    o    .         .         .         .         .         .         .         .         .         .         .         .
11748 179.    o    .         .         .         .         .         .         .         .         .         .         .         .
11754 180.    o    .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.    o    .         .         .         .         .         .         .         .         .         .         .         .
11812 183.    o    .         .         .         .         .         .         .         .         .         .         .         .
11818 184.    o    .         .         .         .         .         .         .         .         .         .         .         .
11824 185.    o    .         .         .         .         .         .         .         .         .         .         .         .
11830 186.   o     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.   o     .         .         .         .         .         .         .         .         .         .         .         .
11842 188.   o     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.   o     .         .         .         .         .         .         .         .         .         .         .         .
11854 190.   o     .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.   o     .         .         .         .         .         .         .         .         .         .         .         .
11912 193.   o     .         .         .         .         .         .         .         .         .         .         .         .
11918 194.   o     .         .         .         .         .         .         .         .         .         .         .         .
11924 195.   o     .         .         .         .         .         .         .         .         .         .         .         .
11930 196.   o     .         .         .         .         .         .         .         .         .         .         .         .
11936 197.   o     .         .         .         .         .         .         .         .         .         .         .         .
11942 198.   o     .         .         .         .         .         .         .         .         .         .         .         .
11948 199.   o     .         .         .         .         .         .         .         .         .         .         .         .
11954 200.   o     .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.   o     .         .         .         .         .         .         .         .         .         .         .         .
12012 203.   o     .         .         .         .         .         .         .         .         .         .         .         .
12018 204.   o     .         .         .         .         .         .         .         .         .         .         .         .
12024 205.   o     .         .         .         .         .         .         .         .         .         .         .         .
12030 206.  o      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.   o     .         .         .         .         .         .         .         .         .         .         .         .
12042 208.  o      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  o      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.  o      .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  o      .         .         .         .         .         .         .         .         .         .         .         .
12112 213.  o      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  o      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  o      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  o      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  o      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  o      .         .         .         .         .         .         .         .         .         .         .         .
12148 219.  o      .         .         .         .         .         .         .         .         .         .         .         .
12154 220.  o      .         .         .         .         .         .         .         .         .         .         .         .
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12200 221. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.  O        .         .         .         .         .         .         .         .         .         .         .         .
12212 223.  O        .         .         .         .         .         .         .         .         .         .         .         .
12218 224.  O        .         .         .         .         .         .         .         .         .         .         .         .
12224 225.  O        .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  O        .         .         .         .         .         .         .         .         .         .         .         .
12236 227.  O        .         .         .         .         .         .         .         .         .         .         .         .
12242 228.  O        .         .         .         .         .         .         .         .         .         .         .         .
12248 229.  O        .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  O        .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  O        .         .         .         .         .         .         .         .         .         .         .         .
12312 233.  O        .         .         .         .         .         .         .         .         .         .         .         .
12318 234.  O        .         .         .         .         .         .         .         .         .         .         .         .
12324 235.  O        .         .         .         .         .         .         .         .         .         .         .         .
12330 236.  O        .         .         .         .         .         .         .         .         .         .         .         .
12336 237.  O        .         .         .         .         .         .         .         .         .         .         .         .
12342 238.  O        .         .         .         .         .         .         .         .         .         .         .         .
12348 239.  O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240.  O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB1
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .76

DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW
1	0000	1	0.	1	0606	62	0.	1	1212	123	19.	1	1818	184	2.
1	0006	2	0.	1	0612	63	0.	1	1218	124	24.	1	1824	185	2.
1	0012	3	0.	1	0618	64	0.	1	1224	125	30.	1	1830	186	2.
1	0018	4	0.	1	0624	65	0.	1	1230	126	34.	1	1836	187	2.
1	0024	5	0.	1	0630	66	0.	1	1236	127	37.	1	1842	188	2.
1	0030	6	0.	1	0636	67	0.	1	1242	128	37.	1	1848	189	2.
1	0036	7	0.	1	0642	68	0.	1	1248	129	35.	1	1854	190	2.
1	0042	8	0.	1	0648	69	0.	1	1254	130	32.	1	1900	191	2.
1	0048	9	0.	1	0654	70	0.	1	1300	131	28.	1	1906	192	2.
1	0054	10	0.	1	0700	71	0.	1	1306	132	24.	1	1912	193	2.
1	0100	11	0.	1	0706	72	0.	1	1312	133	21.	1	1918	194	2.
1	0106	12	0.	1	0712	73	0.	1	1318	134	19.	1	1924	195	2.
1	0112	13	0.	1	0718	74	0.	1	1324	135	17.	1	1930	196	2.
1	0118	14	0.	1	0724	75	0.	1	1330	136	15.	1	1936	197	2.
1	0124	15	0.	1	0730	76	0.	1	1336	137	14.	1	1942	198	2.
1	0130	16	0.	1	0736	77	0.	1	1342	138	13.	1	1948	199	2.
1	0136	17	0.	1	0742	78	0.	1	1348	139	12.	1	1954	200	2.
1	0142	18	0.	1	0748	79	0.	1	1354	140	11.	1	2000	201	2.
1	0148	19	0.	1	0754	80	0.	1	1400	141	10.	1	2006	202	2.
1	0154	20	0.	1	0800	81	0.	1	1406	142	9.	1	2012	203	2.
1	0200	21	0.	1	0806	82	0.	1	1412	143	9.	1	2018	204	2.
1	0206	22	0.	1	0812	83	0.	1	1418	144	8.	1	2024	205	2.
1	0212	23	0.	1	0818	84	0.	1	1424	145	8.	1	2030	206	2.
1	0218	24	0.	1	0824	85	0.	1	1430	146	8.	1	2036	207	2.
1	0224	25	0.	1	0830	86	0.	1	1436	147	7.	1	2042	208	2.
1	0230	26	0.	1	0836	87	0.	1	1442	148	7.	1	2048	209	2.
1	0236	27	0.	1	0842	88	0.	1	1448	149	7.	1	2054	210	2.
1	0242	28	0.	1	0848	89	0.	1	1454	150	6.	1	2100	211	2.
1	0248	29	0.	1	0854	90	0.	1	1500	151	6.	1	2106	212	2.
1	0254	30	0.	1	0900	91	0.	1	1506	152	6.	1	2112	213	2.
1	0300	31	0.	1	0906	92	0.	1	1512	153	6.	1	2118	214	2.
1	0306	32	0.	1	0912	93	0.	1	1518	154	6.	1	2124	215	2.
1	0312	33	0.	1	0918	94	0.	1	1524	155	6.	1	2130	216	2.
1	0318	34	0.	1	0924	95	0.	1	1530	156	5.	1	2136	217	2.
1	0324	35	0.	1	0930	96	0.	1	1536	157	5.	1	2142	218	2.
1	0330	36	0.	1	0936	97	0.	1	1542	158	5.	1	2148	219	2.
1	0336	37	0.	1	0942	98	0.	1	1548	159	5.	1	2154	220	2.
1	0342	38	0.	1	0948	99	0.	1	1554	160	5.	1	2200	221	2.
1	0348	39	0.	1	0954	100	0.	1	1600	161	5.	1	2206	222	2.
1	0354	40	0.	1	1000	101	0.	1	1606	162	5.	1	2212	223	2.
1	0400	41	0.	1	1006	102	0.	1	1612	163	5.	1	2218	224	2.
1	0406	42	0.	1	1012	103	0.	1	1618	164	5.	1	2224	225	2.
1	0412	43	0.	1	1018	104	0.	1	1624	165	5.	1	2230	226	2.
1	0418	44	0.	1	1024	105	0.	1	1630	166	4.	1	2236	227	2.
1	0424	45	0.	1	1030	106	0.	1	1636	167	4.	1	2242	228	2.
1	0430	46	0.	1	1036	107	0.	1	1642	168	4.	1	2248	229	2.
1	0436	47	0.	1	1042	108	0.	1	1648	169	4.	1	2254	230	2.
1	0442	48	0.	1	1048	109	0.	1	1654	170	4.	1	2300	231	2.
1	0448	49	0.	1	1054	110	1.	1	1700	171	4.	1	2306	232	2.
1	0454	50	0.	1	1100	111	1.	1	1706	172	4.	1	2312	233	2.
1	0500	51	0.	1	1106	112	1.	1	1712	173	4.	1	2318	234	2.
1	0506	52	0.	1	1112	113	1.	1	1718	174	3.	1	2324	235	2.
1	0512	53	0.	1	1118	114	1.	1	1724	175	3.	1	2330	236	2.
1	0518	54	0.	1	1124	115	2.	1	1730	176	3.	1	2336	237	2.
1	0524	55	0.	1	1130	116	2.	1	1736	177	3.	1	2342	238	2.
1	0530	56	0.	1	1136	117	2.	1	1742	178	3.	1	2348	239	1.
1	0536	57	0.	1	1142	118	3.	1	1748	179	3.	1	2354	240	1.
1	0542	58	0.	1	1148	119	4.	1	1754	180	3.	2	0000	241	1.
1	0548	59	0.	1	1154	120	6.	1	1800	181	3.				
1	0554	60	0.	1	1200	121	10.	1	1806	182	3.				
1	0600	61	0.	1	1206	122	15.	1	1812	183	3.				

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   PEAK FLOW      TIME                       MAXIMUM AVERAGE FLOW
                                     6-HR        24-HR        72-HR       24.00-HR
+   (CFS)         (HR)
                           (CFS)
+     37.        12.70                 11.          3.           3.           3.
                          (INCHES)   1.940       2.341        2.341        2.341
                          (AC-FT)       5.          7.           7.           7.

                   CUMULATIVE AREA =      .05 SQ MI
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1 STATION COMB1

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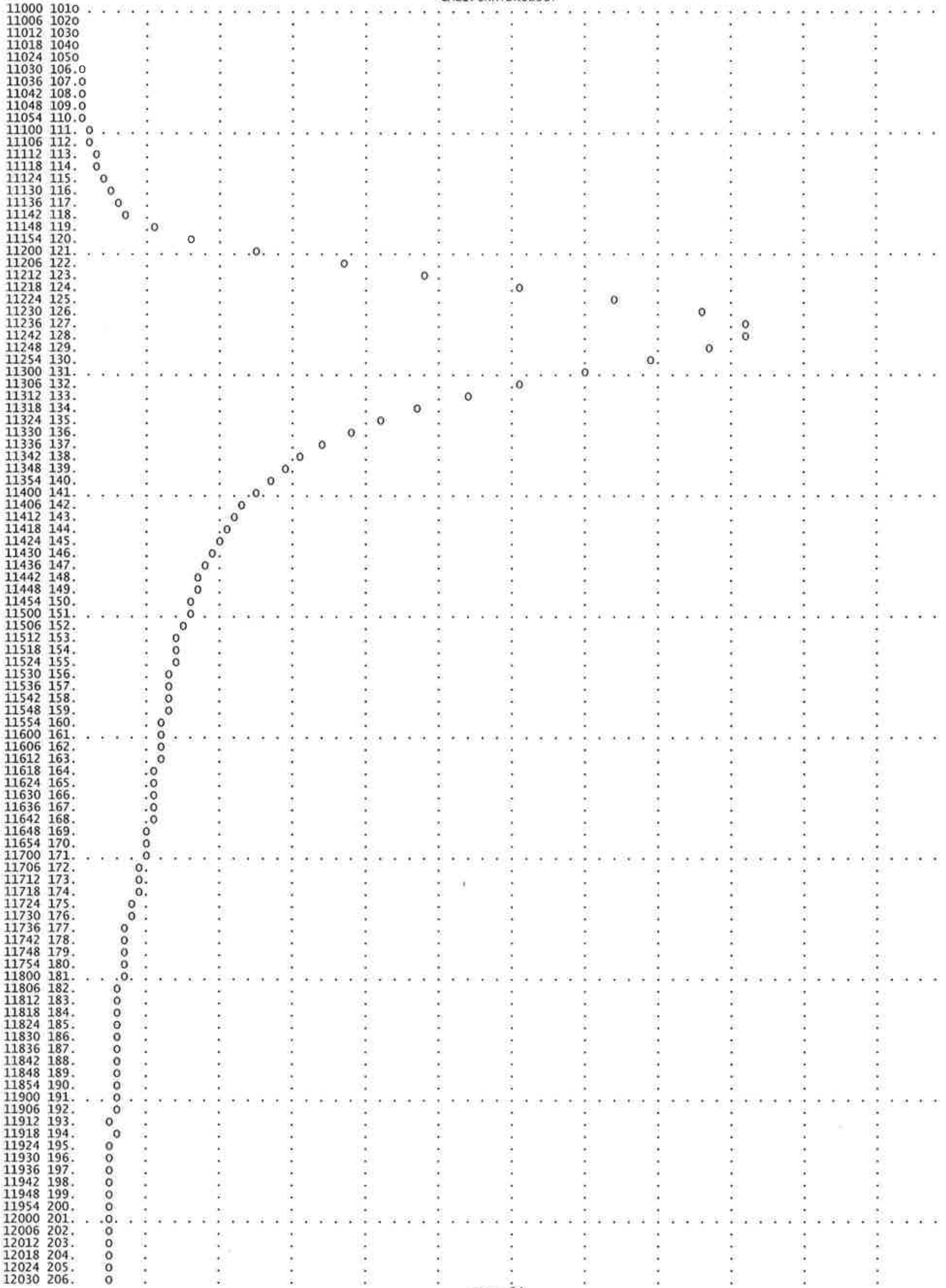
                              (O) OUTFLOW
           0.        4.        8.        12.       16.       20.       24.       28.       32.       36.       40.       0.        0.
DAHRMN PER
10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
10006   20
10012   30
10018   40
10024   50
10030   60
10036   70
10042   80
10048   90
10054  100
10100  110
10106  120
10112  130
10118  140
10124  150
10130  160
10136  170
10142  180
10148  190
10154  200
10200  210
10206  220
10212  230
10218  240
10224  250
10230  260
10236  270
10242  280
10248  290
10254  300
10300  310
10306  320
10312  330
10318  340
10324  350
10330  360
10336  370
10342  380
10348  390
10354  400
10400  410
10406  420
10412  430
10418  440
10424  450
10430  460
10436  470
10442  480
10448  490
10454  500
10500  510
10506  520
10512  530
10518  540
10524  550
10530  560
10536  570
10542  580
10548  590
10554  600
10600  610
10606  620
10612  630
10618  640
10624  650
10630  660
10636  670
10642  680
10648  690
10654  700
10700  710
10706  720
10712  730
10718  740
10724  750
10730  760
10736  770
10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  850
10830  860
10836  870
10842  880
10848  890
10854  900
10900  910
10906  920
10912  930
10918  940
10924  950
10930  960
10936  970
10942  980
10948  990
10954 1000
```


11000 1010
11006 1020
11012 1030
11018 1040
11024 1050
11030 106.
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
11748 179.
11754 180.
11800 181.
11806 182.
11812 183.
11818 184.
11824 185.
11830 186.
11836 187.
11842 188.
11848 189.
11854 190.
11900 191.
11906 192.
11912 193.
11918 194.
11924 195.
11930 196.
11936 197.
11942 198.
11948 199.
11954 200.
12000 201.
12006 202.
12012 203.
12018 204.
12024 205.
12030 206.

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12036 207.     O    .         .         .         .         .         .         .         .         .         .         .         .
12042 208.     O    .         .         .         .         .         .         .         .         .         .         .         .
12048 209.     O    .         .         .         .         .         .         .         .         .         .         .         .
12054 210.     O    .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . .O. .  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.     O    .         .         .         .         .         .         .         .         .         .         .         .
12112 213.     O    .         .         .         .         .         .         .         .         .         .         .         .
12118 214.    O     .         .         .         .         .         .         .         .         .         .         .         .
12124 215.    O     .         .         .         .         .         .         .         .         .         .         .         .
12130 216.    O     .         .         .         .         .         .         .         .         .         .         .         .
12136 217.    O     .         .         .         .         .         .         .         .         .         .         .         .
12142 218.    O     .         .         .         .         .         .         .         .         .         .         .         .
12148 219.    O     .         .         .         .         .         .         .         .         .         .         .         .
12154 220.    O     .         .         .         .         .         .         .         .         .         .         .         .
12200 221. . O . .  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.    O     .         .         .         .         .         .         .         .         .         .         .         .
12212 223.    O     .         .         .         .         .         .         .         .         .         .         .         .
12218 224.    O     .         .         .         .         .         .         .         .         .         .         .         .
12224 225.    O     .         .         .         .         .         .         .         .         .         .         .         .
12230 226.    O     .         .         .         .         .         .         .         .         .         .         .         .
12236 227.    O     .         .         .         .         .         .         .         .         .         .         .         .
12242 228.    O     .         .         .         .         .         .         .         .         .         .         .         .
12248 229.    O     .         .         .         .         .         .         .         .         .         .         .         .
12254 230.    O     .         .         .         .         .         .         .         .         .         .         .         .
12300 231. . O . .  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.    O     .         .         .         .         .         .         .         .         .         .         .         .
12312 233.    O     .         .         .         .         .         .         .         .         .         .         .         .
12318 234.    O     .         .         .         .         .         .         .         .         .         .         .         .
12324 235.    O     .         .         .         .         .         .         .         .         .         .         .         .
12330 236.    O     .         .         .         .         .         .         .         .         .         .         .         .
12336 237.    O     .         .         .         .         .         .         .         .         .         .         .         .
12342 238.    O     .         .         .         .         .         .         .         .         .         .         .         .
12348 239.    O     .         .         .         .         .         .         .         .         .         .         .         .
12354 240.    O     .         .         .         .         .         .         .         .         .         .         .         .
20000 241.---O-----.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB1
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .88

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	26.	1		1818	184	3.
1		0006	2	0.	1		0612	63	0.	1		1218	124	33.	1		1824	185	3.
1		0012	3	0.	1		0618	64	0.	1		1224	125	39.	1		1830	186	3.
1		0018	4	0.	1		0624	65	0.	1		1230	126	45.	1		1836	187	3.
1		0024	5	0.	1		0630	66	0.	1		1236	127	48.	1		1842	188	3.
1		0030	6	0.	1		0636	67	0.	1		1242	128	48.	1		1848	189	3.
1		0036	7	0.	1		0642	68	0.	1		1248	129	45.	1		1854	190	3.
1		0042	8	0.	1		0648	69	0.	1		1254	130	41.	1		1900	191	3.
1		0048	9	0.	1		0654	70	0.	1		1300	131	36.	1		1906	192	3.
1		0054	10	0.	1		0700	71	0.	1		1306	132	31.	1		1912	193	3.
1		0100	11	0.	1		0706	72	0.	1		1312	133	27.	1		1918	194	3.
1		0106	12	0.	1		0712	73	0.	1		1318	134	24.	1		1924	195	3.
1		0112	13	0.	1		0718	74	0.	1		1324	135	21.	1		1930	196	3.
1		0118	14	0.	1		0724	75	0.	1		1330	136	19.	1		1936	197	3.
1		0124	15	0.	1		0730	76	0.	1		1336	137	17.	1		1942	198	3.
1		0130	16	0.	1		0736	77	0.	1		1342	138	16.	1		1948	199	3.
1		0136	17	0.	1		0742	78	0.	1		1348	139	14.	1		1954	200	3.
1		0142	18	0.	1		0748	79	0.	1		1354	140	13.	1		2000	201	2.
1		0148	19	0.	1		0754	80	0.	1		1400	141	12.	1		2006	202	2.
1		0154	20	0.	1		0800	81	0.	1		1406	142	12.	1		2012	203	2.
1		0200	21	0.	1		0806	82	0.	1		1412	143	11.	1		2018	204	2.
1		0206	22	0.	1		0812	83	0.	1		1418	144	10.	1		2024	205	2.
1		0212	23	0.	1		0818	84	0.	1		1424	145	10.	1		2030	206	2.
1		0218	24	0.	1		0824	85	0.	1		1430	146	9.	1		2036	207	2.
1		0224	25	0.	1		0830	86	0.	1		1436	147	9.	1		2042	208	2.
1		0230	26	0.	1		0836	87	0.	1		1442	148	9.	1		2048	209	2.
1		0236	27	0.	1		0842	88	0.	1		1448	149	8.	1		2054	210	2.
1		0242	28	0.	1		0848	89	0.	1		1454	150	8.	1		2100	211	2.
1		0248	29	0.	1		0854	90	0.	1		1500	151	8.	1		2106	212	2.
1		0254	30	0.	1		0900	91	0.	1		1506	152	7.	1		2112	213	2.
1		0300	31	0.	1		0906	92	0.	1		1512	153	7.	1		2118	214	2.
1		0306	32	0.	1		0912	93	0.	1		1518	154	7.	1		2124	215	2.
1		0312	33	0.	1		0918	94	0.	1		1524	155	7.	1		2130	216	2.
1		0318	34	0.	1		0924	95	0.	1		1530	156	7.	1		2136	217	2.
1		0324	35	0.	1		0930	96	0.	1		1536	157	7.	1		2142	218	2.
1		0330	36	0.	1		0936	97	0.	1		1542	158	6.	1		2148	219	2.
1		0336	37	0.	1		0942	98	0.	1		1548	159	6.	1		2154	220	2.
1		0342	38	0.	1		0948	99	0.	1		1554	160	6.	1		2200	221	2.
1		0348	39	0.	1		0954	100	0.	1		1600	161	6.	1		2206	222	2.
1		0354	40	0.	1		1000	101	0.	1		1606	162	6.	1		2212	223	2.
1		0400	41	0.	1		1006	102	0.	1		1612	163	6.	1		2218	224	2.
1		0406	42	0.	1		1012	103	0.	1		1618	164	6.	1		2224	225	2.
1		0412	43	0.	1		1018	104	0.	1		1624	165	6.	1		2230	226	2.
1		0418	44	0.	1		1024	105	1.	1		1630	166	5.	1		2236	227	2.
1		0424	45	0.	1		1030	106	1.	1		1636	167	5.	1		2242	228	2.
1		0430	46	0.	1		1036	107	1.	1		1642	168	5.	1		2248	229	2.
1		0436	47	0.	1		1042	108	1.	1		1648	169	5.	1		2254	230	2.
1		0442	48	0.	1		1048	109	1.	1		1654	170	5.	1		2300	231	2.
1		0448	49	0.	1		1054	110	1.	1		1700	171	5.	1		2306	232	2.
1		0454	50	0.	1		1100	111	2.	1		1706	172	5.	1		2312	233	2.
1		0500	51	0.	1		1106	112	2.	1		1712	173	4.	1		2318	234	2.
1		0506	52	0.	1		1112	113	2.	1		1718	174	4.	1		2324	235	2.
1		0512	53	0.	1		1118	114	2.	1		1724	175	4.	1		2330	236	2.
1		0518	54	0.	1		1124	115	3.	1		1730	176	4.	1		2336	237	2.
1		0524	55	0.	1		1130	116	3.	1		1736	177	4.	1		2342	238	2.
1		0530	56	0.	1		1136	117	4.	1		1742	178	4.	1		2348	239	2.
1		0536	57	0.	1		1142	118	5.	1		1748	179	3.	1		2354	240	2.
1		0542	58	0.	1		1148	119	6.	1		1754	180	3.	2		0000	241	2.
1		0548	59	0.	1		1154	120	9.	1		1800	181	3.					

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   1     0554   60        0.   *    1     1200  121        14.   *    1      1806  182         3.   *
   1     0600   61        0.   *    1     1206  122        20.   *    1      1812  183         3.   *
                               *                                 *                                  *
*********************************************************************************************************

   PEAK FLOW      TIME                                 MAXIMUM AVERAGE FLOW
                                          6-HR          24-HR        72-HR        24.00-HR
 +   (CFS)        (HR)
                              (CFS)
 +      48.       12.60                    14.            4.           4.             4.
                             (INCHES)     2.487         3.006        3.006          3.006
                             (AC-FT)        7.             8.           8.             8.

                             CUMULATIVE AREA =       .05 SQ MI

1                                                            STATION     COMB1

                             (O) OUTFLOW
           0.          5.          10.        15.        20.        25.        30.        35.        40.        45.        50.        0.        0.
 DAHRMN PER
 10000   10
 10006   20
 10012   30
 10018   40
 10024   50
 10030   60
 10036   70
 10042   80
 10048   90
 10054  100
 10100  110
 10106  120
 10112  130
 10118  140
 10124  150
 10130  160
 10136  170
 10142  180
 10148  190
 10154  200
 10200  210
 10206  220
 10212  230
 10218  240
 10224  250
 10230  260
 10236  270
 10242  280
 10248  290
 10254  300
 10300  310
 10306  320
 10312  330
 10318  340
 10324  350
 10330  360
 10336  370
 10342  380
 10348  390
 10354  400
 10400  410
 10406  420
 10412  430
 10418  440
 10424  450
 10430  460
 10436  470
 10442  480
 10448  490
 10454  500
 10500  510
 10506  520
 10512  530
 10518  540
 10524  550
 10530  560
 10536  570
 10542  580
 10548  590
 10554  600
 10600  610
 10606  620
 10612  630
 10618  640
 10624  650
 10630  660
 10636  670
 10642  680
 10648  690
 10654  700
 10700  710
 10706  720
 10712  730
 10718  740
 10724  750
 10730  760
 10736  770
 10742  780
 10748  790
 10754  800
 10800  810
 10806  820
 10812  830
 10818  840
 10824  850
 10830  860
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10836  870
10842  880
10848  890
10854  900
10900  910
10906  920
10912  930
10918  940
10924  950
10930  960
10936  970
10942  980
10948  990
10954 1000
11000 1010
11006 102.o
11012 103.o
11018 104.o
11024 105.o
11030 106.o
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
11748 179.
11754 180.
11800 181.
11806 182.
11812 183.
11818 184.
11824 185.
11830 186.
11836 187.
11842 188.
11848 189.
11854 190.
11900 191.
11906 192.
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11912 193.      O    .         .         .         .         .         .         .         .         .         .         .         .
11918 194.      O    .         .         .         .         .         .         .         .         .         .         .         .
11924 195.      O    .         .         .         .         .         .         .         .         .         .         .         .
11930 196.      O    .         .         .         .         .         .         .         .         .         .         .         .
11936 197.      O    .         .         .         .         .         .         .         .         .         .         .         .
11942 198.      O    .         .         .         .         .         .         .         .         .         .         .         .
11948 199.      O    .         .         .         .         .         .         .         .         .         .         .         .
11954 200.      O    .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.      O    .         .         .         .         .         .         .         .         .         .         .         .
12012 203.      O    .         .         .         .         .         .         .         .         .         .         .         .
12018 204.      O    .         .         .         .         .         .         .         .         .         .         .         .
12024 205.      O    .         .         .         .         .         .         .         .         .         .         .         .
12030 206.      O    .         .         .         .         .         .         .         .         .         .         .         .
12036 207.      O    .         .         .         .         .         .         .         .         .         .         .         .
12042 208.      O    .         .         .         .         .         .         .         .         .         .         .         .
12048 209.      O    .         .         .         .         .         .         .         .         .         .         .         .
12054 210.      O    .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.      O    .         .         .         .         .         .         .         .         .         .         .         .
12112 213.     O     .         .         .         .         .         .         .         .         .         .         .         .
12118 214.     O     .         .         .         .         .         .         .         .         .         .         .         .
12124 215.     O     .         .         .         .         .         .         .         .         .         .         .         .
12130 216.     O     .         .         .         .         .         .         .         .         .         .         .         .
12136 217.     O     .         .         .         .         .         .         .         .         .         .         .         .
12142 218.     O     .         .         .         .         .         .         .         .         .         .         .         .
12148 219.     O     .         .         .         .         .         .         .         .         .         .         .         .
12154 220.     O     .         .         .         .         .         .         .         .         .         .         .         .
12200 221. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.     O     .         .         .         .         .         .         .         .         .         .         .         .
12212 223.     O     .         .         .         .         .         .         .         .         .         .         .         .
12218 224.     O     .         .         .         .         .         .         .         .         .         .         .         .
12224 225.     O     .         .         .         .         .         .         .         .         .         .         .         .
12230 226.     O     .         .         .         .         .         .         .         .         .         .         .         .
12236 227.     O     .         .         .         .         .         .         .         .         .         .         .         .
12242 228.     O     .         .         .         .         .         .         .         .         .         .         .         .
12248 229.     O     .         .         .         .         .         .         .         .         .         .         .         .
12254 230.     O     .         .         .         .         .         .         .         .         .         .         .         .
12300 231. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.     O     .         .         .         .         .         .         .         .         .         .         .         .
12312 233.     O     .         .         .         .         .         .         .         .         .         .         .         .
12318 234.     O     .         .         .         .         .         .         .         .         .         .         .         .
12324 235.     O     .         .         .         .         .         .         .         .         .         .         .         .
12330 236.     O     .         .         .         .         .         .         .         .         .         .         .         .
12336 237.     O     .         .         .         .         .         .         .         .         .         .         .         .
12342 238.     O     .         .         .         .         .         .         .         .         .         .         .         .
12348 239.     O     .         .         .         .         .         .         .         .         .         .         .         .
12354 240.     O     .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--O------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB1
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = 1.00

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	33.	1		1818	184	4.
1		0006	2	0.	1		0612	63	0.	1		1218	124	42.	1		1824	185	4.
1		0012	3	0.	1		0618	64	0.	1		1224	125	51.	1		1830	186	4.
1		0018	4	0.	1		0624	65	0.	1		1230	126	58.	1		1836	187	4.
1		0024	5	0.	1		0630	66	0.	1		1236	127	61.	1		1842	188	3.
1		0030	6	0.	1		0636	67	0.	1		1242	128	61.	1		1848	189	3.
1		0036	7	0.	1		0642	68	0.	1		1248	129	57.	1		1854	190	3.
1		0042	8	0.	1		0648	69	0.	1		1254	130	51.	1		1900	191	3.
1		0048	9	0.	1		0654	70	0.	1		1300	131	45.	1		1906	192	3.
1		0054	10	0.	1		0700	71	0.	1		1306	132	39.	1		1912	193	3.
1		0100	11	0.	1		0706	72	0.	1		1312	133	34.	1		1918	194	3.
1		0106	12	0.	1		0712	73	0.	1		1318	134	30.	1		1924	195	3.
1		0112	13	0.	1		0718	74	0.	1		1324	135	27.	1		1930	196	3.
1		0118	14	0.	1		0724	75	0.	1		1330	136	24.	1		1936	197	3.
1		0124	15	0.	1		0730	76	0.	1		1336	137	21.	1		1942	198	3.
1		0130	16	0.	1		0736	77	0.	1		1342	138	19.	1		1948	199	3.
1		0136	17	0.	1		0742	78	0.	1		1348	139	18.	1		1954	200	3.
1		0142	18	0.	1		0748	79	0.	1		1354	140	16.	1		2000	201	3.
1		0148	19	0.	1		0754	80	0.	1		1400	141	15.	1		2006	202	3.
1		0154	20	0.	1		0800	81	0.	1		1406	142	14.	1		2012	203	3.
1		0200	21	0.	1		0806	82	0.	1		1412	143	13.	1		2018	204	3.
1		0206	22	0.	1		0812	83	0.	1		1418	144	13.	1		2024	205	3.
1		0212	23	0.	1		0818	84	0.	1		1424	145	12.	1		2030	206	3.
1		0218	24	0.	1		0824	85	0.	1		1430	146	11.	1		2036	207	3.
1		0224	25	0.	1		0830	86	0.	1		1436	147	11.	1		2042	208	3.
1		0230	26	0.	1		0836	87	0.	1		1442	148	10.	1		2048	209	3.
1		0236	27	0.	1		0842	88	0.	1		1448	149	10.	1		2054	210	3.
1		0242	28	0.	1		0848	89	0.	1		1454	150	10.	1		2100	211	3.
1		0248	29	0.	1		0854	90	0.	1		1500	151	9.	1		2106	212	3.
1		0254	30	0.	1		0900	91	0.	1		1506	152	9.	1		2112	213	3.
1		0300	31	0.	1		0906	92	0.	1		1512	153	9.	1		2118	214	3.
1		0306	32	0.	1		0912	93	0.	1		1518	154	8.	1		2124	215	3.
1		0312	33	0.	1		0918	94	0.	1		1524	155	8.	1		2130	216	3.
1		0318	34	0.	1		0924	95	0.	1		1530	156	8.	1		2136	217	3.
1		0324	35	0.	1		0930	96	0.	1		1536	157	8.	1		2142	218	3.
1		0330	36	0.	1		0936	97	0.	1		1542	158	8.	1		2148	219	2.
1		0336	37	0.	1		0942	98	0.	1		1548	159	8.	1		2154	220	2.
1		0342	38	0.	1		0948	99	0.	1		1554	160	7.	1		2200	221	2.
1		0348	39	0.	1		0954	100	1.	1		1600	161	7.	1		2206	222	2.
1		0354	40	0.	1		1000	101	1.	1		1606	162	7.	1		2212	223	2.
1		0400	41	0.	1		1006	102	1.	1		1612	163	7.	1		2218	224	2.
1		0406	42	0.	1		1012	103	1.	1		1618	164	7.	1		2224	225	2.
1		0412	43	0.	1		1018	104	1.	1		1624	165	7.	1		2230	226	2.
1		0418	44	0.	1		1024	105	1.	1		1630	166	6.	1		2236	227	2.
1		0424	45	0.	1		1030	106	1.	1		1636	167	6.	1		2242	228	2.

1	0430	46	0.	*	1	1036	107	2.	*	1	1642	168	6.	*	1	2248	229	2.
1	0436	47	0.	*	1	1042	108	2.	*	1	1648	169	6.	*	1	2254	230	2.
1	0442	48	0.	*	1	1048	109	2.	*	1	1654	170	6.	*	1	2300	231	2.
1	0448	49	0.	*	1	1054	110	2.	*	1	1700	171	6.	*	1	2306	232	2.
1	0454	50	0.	*	1	1100	111	3.	*	1	1706	172	6.	*	1	2312	233	2.
1	0500	51	0.	*	1	1106	112	3.	*	1	1712	173	5.	*	1	2318	234	2.
1	0506	52	0.	*	1	1112	113	3.	*	1	1718	174	5.	*	1	2324	235	2.
1	0512	53	0.	*	1	1118	114	4.	*	1	1724	175	5.	*	1	2330	236	2.
1	0518	54	0.	*	1	1124	115	4.	*	1	1730	176	5.	*	1	2336	237	2.
1	0524	55	0.	*	1	1130	116	5.	*	1	1736	177	4.	*	1	2342	238	2.
1	0530	56	0.	*	1	1136	117	6.	*	1	1742	178	4.	*	1	2348	239	2.
1	0536	57	0.	*	1	1142	118	7.	*	1	1748	179	4.	*	1	2354	240	2.
1	0542	58	0.	*	1	1148	119	9.	*	1	1754	180	4.	*	2	0000	241	2.
1	0548	59	0.	*	1	1154	120	12.	*	1	1800	181	4.	*				
1	0554	60	0.	*	1	1200	121	19.	*	1	1806	182	4.	*				
1	0600	61	0.	*	1	1206	122	26.	*	1	1812	183	4.	*				

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  PEAK FLOW      TIME                         MAXIMUM AVERAGE FLOW
                                     6-HR        24-HR       72-HR       24.00-HR
+   (CFS)        (HR)
                              (CFS)
+     61.       12.60                 18.          5.          5.           5.
                            (INCHES)  3.121       3.783       3.783        3.783
                             (AC-FT)    9.         11.         11.          11.

                            CUMULATIVE AREA =     .05 SQ MI
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1

STATION COMB1

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                     (O) OUTFLOW
          0.        10.       20.       30.       40.       50.       60.       70.        0.        0.        0.        0.        0.
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .         .
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .         .
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .         .
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .         .
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .         .
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .         .
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .         .
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .         .
 10530  560         .         .         .         .         .         .         .         .         .         .         .         .
 10536  570         .         .         .         .         .         .         .         .         .         .         .         .
 10542  580         .         .         .         .         .         .         .         .         .         .         .         .
 10548  590         .         .         .         .         .         .         .         .         .         .         .         .
 10554  600         .         .         .         .         .         .         .         .         .         .         .         .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606  620         .         .         .         .         .         .         .         .         .         .         .         .
 10612  630         .         .         .         .         .         .         .         .         .         .         .         .
 10618  640         .         .         .         .         .         .         .         .         .         .         .         .
 10624  650         .         .         .         .         .         .         .         .         .         .         .         .
 10630  660         .         .         .         .         .         .         .         .         .         .         .         .
 10636  670         .         .         .         .         .         .         .         .         .         .         .         .
 10642  680         .         .         .         .         .         .         .         .         .         .         .         .
 10648  690         .         .         .         .         .         .         .         .         .         .         .         .
 10654  700         .         .         .         .         .         .         .         .         .         .         .         .
 10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10706  720         .         .         .         .         .         .         .         .         .         .         .         .
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10712  730
10718  740
10724  750
10730  760
10736  770
10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  850
10830  860
10836  870
10842  880
10848  890
10854  900
10900  910
10906  920
10912  930
10918  940
10924  950
10930  960
10936  970
10942  980
10948  990
10954 100.o
11000 101.o
11006 102.o
11012 103.o
11018 104.o
11024 105.o
11030 106.o
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
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 11748 179.    O    .         .         .         .         .         .         .         .         .         .         .         .
 11754 180.    O    .         .         .         .         .         .         .         .         .         .         .         .
 11800 181. .  O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 11806 182.    O    .         .         .         .         .         .         .         .         .         .         .         .
 11812 183.    O    .         .         .         .         .         .         .         .         .         .         .         .
 11818 184.    O    .         .         .         .         .         .         .         .         .         .         .         .
 11824 185.    O    .         .         .         .         .         .         .         .         .         .         .         .
 11830 186.    O    .         .         .         .         .         .         .         .         .         .         .         .
 11836 187.    O    .         .         .         .         .         .         .         .         .         .         .         .
 11842 188.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11848 189.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11854 190.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11900 191. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 11906 192.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11912 193.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11918 194.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11924 195.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11930 196.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11936 197.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11942 198.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11948 199.   O     .         .         .         .         .         .         .         .         .         .         .         .
 11954 200.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12000 201. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12006 202.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12012 203.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12018 204.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12024 205.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12030 206.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12036 207.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12042 208.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12048 209.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12054 210.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12106 212.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12112 213.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12118 214.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12124 215.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12130 216.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12136 217.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12142 218.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12148 219. O       .         .         .         .         .         .         .         .         .         .         .         .
 12154 220. O       .         .         .         .         .         .         .         .         .         .         .         .
 12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12206 222. O       .         .         .         .         .         .         .         .         .         .         .         .
 12212 223. O       .         .         .         .         .         .         .         .         .         .         .         .
 12218 224. O       .         .         .         .         .         .         .         .         .         .         .         .
 12224 225. O       .         .         .         .         .         .         .         .         .         .         .         .
 12230 226. O       .         .         .         .         .         .         .         .         .         .         .         .
 12236 227. O       .         .         .         .         .         .         .         .         .         .         .         .
 12242 228. O       .         .         .         .         .         .         .         .         .         .         .         .
 12248 229. O       .         .         .         .         .         .         .         .         .         .         .         .
 12254 230. O       .         .         .         .         .         .         .         .         .         .         .         .
 12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12306 232. O       .         .         .         .         .         .         .         .         .         .         .         .
 12312 233. O       .         .         .         .         .         .         .         .         .         .         .         .
 12318 234. O       .         .         .         .         .         .         .         .         .         .         .         .
 12324 235. O       .         .         .         .         .         .         .         .         .         .         .         .
 12330 236. O       .         .         .         .         .         .         .         .         .         .         .         .
 12336 237. O       .         .         .         .         .         .         .         .         .         .         .         .
 12342 238. O       .         .         .         .         .         .         .         .         .         .         .         .
 12348 239. O       .         .         .         .         .         .         .         .         .         .         .         .
 12354 240. O       .         .         .         .         .         .         .         .         .         .         .         .
 20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

           **************
           *            *
  90 KK    *   SUB C    *         SUBAREA C WATERSHED AREA
           *            *
           **************

  92 KO         OUTPUT CONTROL VARIABLES
                      IPRNT           2  PRINT CONTROL
                      IPLOT           2  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE

              SUBBASIN RUNOFF DATA

  93 BA         SUBBASIN CHARACTERISTICS
                      TAREA         .00  SUBBASIN AREA

                PRECIPITATION DATA

  50 PB               STORM        8.00  BASIN TOTAL PRECIPITATION

  52 PI           INCREMENTAL PRECIPITATION PATTERN
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
                      .01     .00     .01     .00     .01     .01     .01     .01     .01     .01
                      .01     .01     .01     .01     .01     .01     .02     .03     .05     .08
                      .08     .05     .03     .02     .01     .01     .01     .01     .01     .01
                      .01     .01     .01     .01     .01     .00     .01     .00     .00     .00
                      .00     .00     .00     .00     .00     .00     .00     .00     .00     .00
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.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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94 LS        SCS LOSS RATE
                 STRTL          .60  INITIAL ABSTRACTION
                 CRVNBR       77.00  CURVE NUMBER
                 RTIMP          .00  PERCENT IMPERVIOUS AREA

95 UD        SCS DIMENSIONLESS UNITGRAPH
                 TLAG           .09  LAG
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***

UNIT HYDROGRAPH
6 END-OF-PERIOD ORDINATES

5.	4.	1.	0.	0.	0.

****

HYDROGRAPH AT STATION   SUB C

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.67	.13	.54	5.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.43	.07	.36	5.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.28	.04	.24	4.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.13	.02	.11	2.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.10	.01	.09	1.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.10	.01	.08	1.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.09	.01	.08	1.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.07	.01	.06	1.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.07	.01	.06	1.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.01	.06	1.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.06	.01	.05	1.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.01	.06	1.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.05	.01	.04	1.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.06	.01	.05	1.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.05	.01	.04	1.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.04	.00	.04	0.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.05	.01	.04	0.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.04	.00	.04	0.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.04	.00	.04	0.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.04	.00	.04	0.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.04	.00	.04	0.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.04	.00	.04	0.
1		0212	23	.01	.01	.00	0.	*	1		1418	144	.03	.00	.03	0.
1		0218	24	.01	.01	.00	0.	*	1		1424	145	.03	.00	.03	0.
1		0224	25	.01	.01	.00	0.	*	1		1430	146	.04	.00	.04	0.
1		0230	26	.02	.02	.00	0.	*	1		1436	147	.03	.00	.03	0.
1		0236	27	.01	.01	.00	0.	*	1		1442	148	.03	.00	.03	0.
1		0242	28	.01	.01	.00	0.	*	1		1448	149	.02	.00	.02	0.
1		0248	29	.01	.01	.00	0.	*	1		1454	150	.03	.00	.03	0.
1		0254	30	.01	.01	.00	0.	*	1		1500	151	.03	.00	.03	0.
1		0300	31	.01	.01	.00	0.	*	1		1506	152	.03	.00	.03	0.
1		0306	32	.01	.01	.00	0.	*	1		1512	153	.02	.00	.02	0.
1		0312	33	.02	.02	.00	0.	*	1		1518	154	.03	.00	.03	0.
1		0318	34	.01	.01	.00	0.	*	1		1524	155	.02	.00	.02	0.
1		0324	35	.01	.01	.00	0.	*	1		1530	156	.02	.00	.02	0.
1		0330	36	.01	.01	.00	0.	*	1		1536	157	.03	.00	.03	0.
1		0336	37	.01	.01	.00	0.	*	1		1542	158	.02	.00	.02	0.
1		0342	38	.02	.02	.00	0.	*	1		1548	159	.02	.00	.02	0.
1		0348	39	.01	.01	.00	0.	*	1		1554	160	.02	.00	.02	0.
1		0354	40	.01	.01	.00	0.	*	1		1600	161	.02	.00	.02	0.
1		0400	41	.01	.01	.00	0.	*	1		1606	162	.02	.00	.02	0.
1		0406	42	.02	.02	.00	0.	*	1		1612	163	.02	.00	.02	0.
1		0412	43	.01	.01	.00	0.	*	1		1618	164	.02	.00	.02	0.
1		0418	44	.01	.01	.00	0.	*	1		1624	165	.02	.00	.02	0.
1		0424	45	.02	.02	.00	0.	*	1		1630	166	.02	.00	.01	0.
1		0430	46	.01	.01	.00	0.	*	1		1636	167	.02	.00	.02	0.
1		0436	47	.01	.01	.00	0.	*	1		1642	168	.02	.00	.02	0.
1		0442	48	.02	.02	.00	0.	*	1		1648	169	.02	.00	.01	0.
1		0448	49	.01	.01	.00	0.	*	1		1654	170	.02	.00	.01	0.
1		0454	50	.01	.01	.00	0.	*	1		1700	171	.01	.00	.01	0.
1		0500	51	.02	.02	.00	0.	*	1		1706	172	.02	.00	.01	0.
1		0506	52	.01	.01	.00	0.	*	1		1712	173	.02	.00	.01	0.
1		0512	53	.02	.02	.00	0.	*	1		1718	174	.02	.00	.01	0.
1		0518	54	.01	.01	.00	0.	*	1		1724	175	.02	.00	.01	0.
1		0524	55	.02	.02	.00	0.	*	1		1730	176	.01	.00	.01	0.
1		0530	56	.01	.01	.00	0.	*	1		1736	177	.02	.00	.01	0.
1		0536	57	.02	.02	.00	0.	*	1		1742	178	.02	.00	.01	0.
1		0542	58	.01	.01	.00	0.	*	1		1748	179	.01	.00	.01	0.
1		0548	59	.02	.02	.00	0.	*	1		1754	180	.02	.00	.01	0.
1		0554	60	.01	.01	.00	0.	*	1		1800	181	.02	.00	.01	0.
1		0600	61	.02	.02	.00	0.	*	1		1806	182	.01	.00	.01	0.
1		0606	62	.02	.02	.00	0.	*	1		1812	183	.02	.00	.01	0.
1		0612	63	.01	.01	.00	0.	*	1		1818	184	.01	.00	.01	0.
1		0618	64	.02	.02	.00	0.	*	1		1824	185	.02	.00	.01	0.
1		0624	65	.02	.02	.00	0.	*	1		1830	186	.01	.00	.01	0.
1		0630	66	.01	.01	.00	0.	*	1		1836	187	.02	.00	.01	0.
1		0636	67	.02	.02	.00	0.	*	1		1842	188	.01	.00	.01	0.
1		0642	68	.02	.02	.00	0.	*	1		1848	189	.02	.00	.01	0.
1		0648	69	.01	.01	.00	0.	*	1		1854	190	.01	.00	.01	0.
1		0654	70	.02	.02	.00	0.	*	1		1900	191	.02	.00	.01	0.
1		0700	71	.02	.01	.00	0.	*	1		1906	192	.01	.00	.01	0.
1		0706	72	.02	.01	.00	0.	*	1		1912	193	.01	.00	.01	0.
1		0712	73	.02	.01	.00	0.	*	1		1918	194	.02	.00	.01	0.
1		0718	74	.02	.01	.00	0.	*	1		1924	195	.01	.00	.01	0.

1	0724	75	.02	.01	.00	0.	*	1	1930	196	.02	.00	.01	0.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	0.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	0.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.02	.00	.01	0.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	0.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	0.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	0.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.02	.00	.01	0.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	0.
1	0818	84	.02	.02	.01	0.	*	1	2024	205	.01	.00	.01	0.
1	0824	85	.02	.02	.01	0.	*	1	2030	206	.01	.00	.01	0.
1	0830	86	.02	.02	.01	0.	*	1	2036	207	.02	.00	.01	0.
1	0836	87	.03	.02	.01	0.	*	1	2042	208	.01	.00	.01	0.
1	0842	88	.02	.02	.01	0.	*	1	2048	209	.01	.00	.01	0.
1	0848	89	.02	.02	.01	0.	*	1	2054	210	.01	.00	.01	0.
1	0854	90	.03	.02	.01	0.	*	1	2100	211	.01	.00	.01	0.
1	0900	91	.03	.02	.01	0.	*	1	2106	212	.02	.00	.01	0.
1	0906	92	.02	.02	.01	0.	*	1	2112	213	.01	.00	.01	0.
1	0912	93	.03	.02	.01	0.	*	1	2118	214	.01	.00	.01	0.
1	0918	94	.03	.02	.01	0.	*	1	2124	215	.01	.00	.01	0.
1	0924	95	.03	.02	.01	0.	*	1	2130	216	.01	.00	.01	0.
1	0930	96	.03	.02	.01	0.	*	1	2136	217	.01	.00	.01	0.
1	0936	97	.03	.02	.01	0.	*	1	2142	218	.01	.00	.01	0.
1	0942	98	.04	.03	.01	0.	*	1	2148	219	.01	.00	.01	0.
1	0948	99	.03	.02	.01	0.	*	1	2154	220	.01	.00	.01	0.
1	0954	100	.04	.02	.02	0.	*	1	2200	221	.02	.00	.01	0.
1	1000	101	.03	.02	.01	0.	*	1	2206	222	.01	.00	.01	0.
1	1006	102	.04	.02	.02	0.	*	1	2212	223	.01	.00	.01	0.
1	1012	103	.04	.02	.02	0.	*	1	2218	224	.01	.00	.01	0.
1	1018	104	.05	.03	.02	0.	*	1	2224	225	.01	.00	.01	0.
1	1024	105	.04	.02	.02	0.	*	1	2230	226	.01	.00	.01	0.
1	1030	106	.05	.03	.02	0.	*	1	2236	227	.01	.00	.01	0.
1	1036	107	.05	.02	.02	0.	*	1	2242	228	.01	.00	.01	0.
1	1042	108	.05	.02	.02	0.	*	1	2248	229	.01	.00	.01	0.
1	1048	109	.06	.03	.03	0.	*	1	2254	230	.01	.00	.01	0.
1	1054	110	.06	.03	.03	0.	*	1	2300	231	.01	.00	.01	0.
1	1100	111	.06	.03	.03	0.	*	1	2306	232	.01	.00	.01	0.
1	1106	112	.06	.03	.03	0.	*	1	2312	233	.01	.00	.01	0.
1	1112	113	.06	.03	.04	0.	*	1	2318	234	.01	.00	.01	0.
1	1118	114	.08	.03	.05	0.	*	1	2324	235	.01	.00	.01	0.
1	1124	115	.09	.04	.05	1.	*	1	2330	236	.01	.00	.01	0.
1	1130	116	.09	.04	.05	1.	*	1	2336	237	.01	.00	.01	0.
1	1136	117	.11	.04	.07	1.	*	1	2342	238	.01	.00	.01	0.
1	1142	118	.13	.05	.08	1.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.28	.09	.19	1.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.42	.12	.30	2.	*	2	0000	241	.01	.00	.01	0.
1	1200	121	.67	.16	.51	4.	*							

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TOTAL RAINFALL = 8.00, TOTAL LOSS = 2.73, TOTAL EXCESS = 5.27

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 5.	12.10		1.	0.	0.	0.
		(INCHES)	4.240	5.267	5.267	5.267
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = .00 SQ MI

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HYDROGRAPH AT STATION SUB C
PLAN 1, RATIO = .54

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.36	.14	.22	2.
1		0006	2	.00	.00	.00	0.	*	1		1212	123	.23	.08	.15	2.
1		0012	3	.00	.00	.00	0.	*	1		1218	124	.15	.05	.10	2.
1		0018	4	.00	.00	.00	0.	*	1		1224	125	.07	.02	.05	1.
1		0024	5	.00	.00	.00	0.	*	1		1230	126	.06	.02	.04	1.
1		0030	6	.00	.00	.00	0.	*	1		1236	127	.05	.02	.04	0.
1		0036	7	.00	.00	.00	0.	*	1		1242	128	.05	.01	.03	0.
1		0042	8	.00	.00	.00	0.	*	1		1248	129	.04	.01	.03	0.
1		0048	9	.00	.00	.00	0.	*	1		1254	130	.04	.01	.03	0.
1		0054	10	.00	.00	.00	0.	*	1		1300	131	.03	.01	.02	0.
1		0100	11	.00	.00	.00	0.	*	1		1306	132	.03	.01	.02	0.
1		0106	12	.00	.00	.00	0.	*	1		1312	133	.03	.01	.02	0.
1		0112	13	.00	.00	.00	0.	*	1		1318	134	.03	.01	.02	0.
1		0118	14	.00	.00	.00	0.	*	1		1324	135	.03	.01	.02	0.
1		0124	15	.00	.00	.00	0.	*	1		1330	136	.03	.01	.02	0.
1		0130	16	.00	.00	.00	0.	*	1		1336	137	.02	.01	.02	0.
1		0136	17	.00	.00	.00	0.	*	1		1342	138	.03	.01	.02	0.
1		0142	18	.00	.00	.00	0.	*	1		1348	139	.02	.01	.02	0.
1		0148	19	.00	.00	.00	0.	*	1		1354	140	.02	.01	.02	0.
1		0154	20	.00	.00	.00	0.	*	1		1400	141	.02	.01	.02	0.
1		0200	21	.00	.00	.00	0.	*	1		1406	142	.02	.01	.02	0.
1		0206	22	.00	.00	.00	0.	*	1		1412	143	.02	.01	.02	0.
1		0212	23	.00	.00	.00	0.	*	1		1418	144	.02	.00	.01	0.
1		0218	24	.00	.00	.00	0.	*	1		1424	145	.02	.00	.01	0.
1		0224	25	.00	.00	.00	0.	*	1		1430	146	.02	.01	.02	0.
1		0230	26	.01	.01	.00	0.	*	1		1436	147	.02	.00	.01	0.
1		0236	27	.00	.00	.00	0.	*	1		1442	148	.02	.00	.01	0.
1		0242	28	.00	.00	.00	0.	*	1		1448	149	.01	.00	.01	0.
1		0248	29	.00	.00	.00	0.	*	1		1454	150	.02	.00	.01	0.
1		0254	30	.00	.00	.00	0.	*	1		1500	151	.02	.00	.01	0.
1		0300	31	.00	.00	.00	0.	*	1		1506	152	.02	.00	.01	0.
1		0306	32	.00	.00	.00	0.	*	1		1512	153	.01	.00	.01	0.
1		0312	33	.01	.01	.00	0.	*	1		1518	154	.02	.00	.01	0.
1		0318	34	.00	.00	.00	0.	*	1		1524	155	.01	.00	.01	0.

1	0324	35	.00	.00	.00	0.	*	1	1530	156	.01	.00	.01	0.
1	0330	36	.00	.00	.00	0.	*	1	1536	157	.02	.00	.01	0.
1	0336	37	.00	.00	.00	0.	*	1	1542	158	.01	.00	.01	0.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.01	.00	.01	0.
1	0348	39	.00	.00	.00	0.	*	1	1554	160	.01	.00	.01	0.
1	0354	40	.00	.00	.00	0.	*	1	1600	161	.01	.00	.01	0.
1	0400	41	.00	.00	.00	0.	*	1	1606	162	.01	.00	.01	0.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.01	.00	.01	0.
1	0412	43	.00	.00	.00	0.	*	1	1618	164	.01	.00	.01	0.
1	0418	44	.00	.00	.00	0.	*	1	1624	165	.01	.00	.01	0.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	0.
1	0430	46	.00	.00	.00	0.	*	1	1636	167	.01	.00	.01	0.
1	0436	47	.00	.00	.00	0.	*	1	1642	168	.01	.00	.01	0.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	0.
1	0448	49	.00	.00	.00	0.	*	1	1654	170	.01	.00	.01	0.
1	0454	50	.00	.00	.00	0.	*	1	1700	171	.00	.00	.00	0.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	0.
1	0506	52	.00	.00	.00	0.	*	1	1712	173	.01	.00	.01	0.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	0.
1	0518	54	.00	.00	.00	0.	*	1	1724	175	.01	.00	.01	0.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.00	.00	.00	0.
1	0530	56	.00	.00	.00	0.	*	1	1736	177	.01	.00	.01	0.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	0.
1	0542	58	.00	.00	.00	0.	*	1	1748	179	.00	.00	.00	0.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	0.
1	0554	60	.00	.00	.00	0.	*	1	1800	181	.01	.00	.01	0.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.00	.00	.00	0.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	0.
1	0612	63	.00	.00	.00	0.	*	1	1818	184	.00	.00	.00	0.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	0.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.00	.00	.00	0.
1	0630	66	.00	.00	.00	0.	*	1	1836	187	.01	.00	.01	0.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.00	.00	.00	0.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	0.
1	0648	69	.00	.00	.00	0.	*	1	1854	190	.00	.00	.00	0.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	0.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.00	.00	.00	0.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.00	.00	.00	0.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	0.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.00	.00	.00	0.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	0.
1	0730	76	.01	.01	.00	0.	*	1	1936	197	.00	.00	.00	0.
1	0736	77	.01	.01	.00	0.	*	1	1942	198	.00	.00	.00	0.
1	0742	78	.01	.01	.00	0.	*	1	1948	199	.01	.00	.01	0.
1	0748	79	.01	.01	.00	0.	*	1	1954	200	.00	.00	.00	0.
1	0754	80	.01	.01	.00	0.	*	1	2000	201	.00	.00	.00	0.
1	0800	81	.01	.01	.00	0.	*	1	2006	202	.00	.00	.00	0.
1	0806	82	.01	.01	.00	0.	*	1	2012	203	.01	.00	.01	0.
1	0812	83	.01	.01	.00	0.	*	1	2018	204	.00	.00	.00	0.
1	0818	84	.01	.01	.00	0.	*	1	2024	205	.00	.00	.00	0.
1	0824	85	.01	.01	.00	0.	*	1	2030	206	.00	.00	.00	0.
1	0830	86	.01	.01	.00	0.	*	1	2036	207	.01	.00	.01	0.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.00	.00	.00	0.
1	0842	88	.01	.01	.00	0.	*	1	2048	209	.00	.00	.00	0.
1	0848	89	.01	.01	.00	0.	*	1	2054	210	.00	.00	.00	0.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.00	.00	.00	0.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	0.
1	0906	92	.01	.01	.00	0.	*	1	2112	213	.00	.00	.00	0.
1	0912	93	.02	.02	.00	0.	*	1	2118	214	.00	.00	.00	0.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.00	.00	.00	0.
1	0924	95	.02	.02	.00	0.	*	1	2130	216	.00	.00	.00	0.
1	0930	96	.02	.02	.00	0.	*	1	2136	217	.00	.00	.00	0.
1	0936	97	.02	.02	.00	0.	*	1	2142	218	.00	.00	.00	0.
1	0942	98	.02	.02	.00	0.	*	1	2148	219	.00	.00	.00	0.
1	0948	99	.02	.02	.00	0.	*	1	2154	220	.00	.00	.00	0.
1	0954	100	.02	.02	.00	0.	*	1	2200	221	.01	.00	.01	0.
1	1000	101	.02	.02	.00	0.	*	1	2206	222	.00	.00	.00	0.
1	1006	102	.02	.02	.00	0.	*	1	2212	223	.00	.00	.00	0.
1	1012	103	.02	.02	.00	0.	*	1	2218	224	.00	.00	.00	0.
1	1018	104	.03	.02	.00	0.	*	1	2224	225	.00	.00	.00	0.
1	1024	105	.02	.02	.00	0.	*	1	2230	226	.00	.00	.00	0.
1	1030	106	.03	.02	.00	0.	*	1	2236	227	.00	.00	.00	0.
1	1036	107	.03	.02	.01	0.	*	1	2242	228	.00	.00	.00	0.
1	1042	108	.03	.02	.01	0.	*	1	2248	229	.00	.00	.00	0.
1	1048	109	.03	.02	.01	0.	*	1	2254	230	.00	.00	.00	0.
1	1054	110	.03	.02	.01	0.	*	1	2300	231	.00	.00	.00	0.
1	1100	111	.03	.03	.01	0.	*	1	2306	232	.00	.00	.00	0.
1	1106	112	.03	.03	.01	0.	*	1	2312	233	.00	.00	.00	0.
1	1112	113	.03	.02	.01	0.	*	1	2318	234	.00	.00	.00	0.
1	1118	114	.04	.03	.01	0.	*	1	2324	235	.00	.00	.00	0.
1	1124	115	.05	.03	.01	0.	*	1	2330	236	.00	.00	.00	0.
1	1130	116	.05	.03	.02	0.	*	1	2336	237	.00	.00	.00	0.
1	1136	117	.06	.04	.02	0.	*	1	2342	238	.00	.00	.00	0.
1	1142	118	.07	.04	.03	0.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.15	.09	.06	0.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.23	.12	.10	1.	*	2	0000	241	.00	.00	.00	0.
1	1200	121	.36	.17	.19	1.	*							
							*							

****

TOTAL RAINFALL = 4.30, TOTAL LOSS = 2.25, TOTAL EXCESS = 2.05

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	24.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	2.	12.10		0.	0.	0.	0.
			(INCHES)	1.687	2.046	2.046	2.046
			(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = .00 SQ MI

1 STATION SUB C

(O) OUTFLOW

.0 .4 .8 1.2 1.6 2.0 2.4 .0 .0 .0 .0 .0 .0

CALIFONHYDROLOGY

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                                                                                                (L) PRECIP,  (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .4        .3        .2        .1        .0
DAHRMN PER
10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
10006   20         .         .         .         .         .         .         .         .         .         .         .         .
10012   30         .         .         .         .         .         .         .         .         .         .         .         .
10018   40         .         .         .         .         .         .         .         .         .         .         .         .
10024   50         .         .         .         .         .         .         .         .         .         .         .         .
10030   60         .         .         .         .         .         .         .         .         .         .         .         .
10036   70         .         .         .         .         .         .         .         .         .         .         .         .
10042   80         .         .         .         .         .         .         .         .         .         .         .         .
10048   90         .         .         .         .         .         .         .         .         .         .         .         .
10054  100         .         .         .         .         .         .         .         .         .         .         .         .
10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106  120         .         .         .         .         .         .         .         .         .         .         .         .
10112  130         .         .         .         .         .         .         .         .         .         .         .         .
10118  140         .         .         .         .         .         .         .         .         .         .         .         .
10124  150         .         .         .         .         .         .         .         .         .         .         .         .
10130  160         .         .         .         .         .         .         .         .         .         .         .         .
10136  170         .         .         .         .         .         .         .         .         .         .         .         .
10142  180         .         .         .         .         .         .         .         .         .         .         .         .
10148  190         .         .         .         .         .         .         .         .         .         .         .         .
10154  200         .         .         .         .         .         .         .         .         .         .         .         .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220         .         .         .         .         .         .         .         .         .         .         .         .
10212  230         .         .         .         .         .         .         .         .         .         .         .         .
10218  240         .         .         .         .         .         .         .         .         .         .         .         .
10224  250         .         .         .         .         .         .         .         .         .         .         .         .
10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
10236  270         .         .         .         .         .         .         .         .         .         .         .         .
10242  280         .         .         .         .         .         .         .         .         .         .         .         .
10248  290         .         .         .         .         .         .         .         .         .         .         .         .
10254  300         .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320         .         .         .         .         .         .         .         .         .         .         .         .
10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
10318  340         .         .         .         .         .         .         .         .         .         .         .         .
10324  350         .         .         .         .         .         .         .         .         .         .         .         .
10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
10354  400         .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
10412  430         .         .         .         .         .         .         .         .         .         .         .         .
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .       LL.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .       LL.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .       LL.
10918  940         .         .         .         .         .         .         .         .         .         .         .       LL.
10924  950         .         .         .         .         .         .         .         .         .         .         .       LL.
10930  960         .         .         .         .         .         .         .         .         .         .         .       LL.
10936  970         .         .         .         .         .         .         .         .         .         .         .       LL.
10942  980         .         .         .         .         .         .         .         .         .         .         .       LL.
10948  990         .         .         .         .         .         .         .         .         .         .         .       LL.
10954 100.0        .         .         .         .         .         .         .         .         .         .         .       LL.
11000 101.0. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 102.0        .         .         .         .         .         .         .         .         .         .         .       LL.
11012 103.0        .         .         .         .         .         .         .         .         .         .         .       LL.
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11018 104.O                                                                LLL.
11024 105.O                                                                 LL.
11030 106.O                                                                LLL.
11036 107.O                                                                LLX.
11042 108.O                                                                LLX.
11048 109. O                                                               LLX.
11054 110. O                                                               LLX.
11100 111. O                                                              .LLX.
11106 112. O                                                               LLX.
11112 113.  O                                                              LLX.
11118 114.  O                                                             LLLX.
11124 115.   O                                                           LLLLX.
11130 116.   O                                                           LLLXX.
11136 117.    O                                                         LLLLXX.
11142 118.     O                                                       LLLLXXX.
11148 119.        .O                                           LLLLLLLLLXXXXXX.
11154 120.              O                                LLLLLLLLLLLLXXXXXXXXX.
11200 121.                      O          .O   LLLLLLLLLLLLLLLLLLXXXXXXXXXXXXXXXXXXX.
11206 122.                                  .O  LLLLLLLLLLLLLLXXXXXXXXXXXXXXXXXXXXXX.
11212 123.                                 O.            LLLLLLLLXXXXXXXXXXXXXX.
11218 124.                          O                         LLLLLXXXXXXXXXX.
11224 125.                O                                           LLXXXXX.
11230 126.          O                                                  LLXXXX.
11236 127.        . O                                                   LXXXX.
11242 128.       O                                                      LLXXX.
11248 129.      O.                                                       LXXX.
11254 130.     O .                                                       LXXX.
11300 131.    .O.                                                       .LXX.
11306 132.     O                                                         LXX.
11312 133.     O                                                         LXX.
11318 134.    O                                                          LXX.
11324 135.    O                                                          LXX.
11330 136.    O                                                          LXX.
11336 137.   O                                                            XX.
11342 138.   O                                                           LXX.
11348 139.   O                                                            XX.
11354 140.  O                                                             XX.
11400 141. .O                                                             XX.
11406 142.  O                                                             XX.
11412 143.  O                                                             XX.
11418 144.  O                                                             LX.
11424 145.  O                                                             LX.
11430 146.  O                                                             XX.
11436 147.  O                                                             LX.
11442 148.  O                                                             LX.
11448 149. O                                                               X.
11454 150. O                                                              LX.
11500 151. .O.                                                            LX.
11506 152.  O                                                             LX.
11512 153. O                                                               X.
11518 154. O                                                              LX.
11524 155. O                                                               X.
11530 156. O                                                               X.
11536 157. O                                                              LX.
11542 158. O                                                               X.
11548 159. O                                                               X.
11554 160. O                                                               X.
11600 161. .O.                                                            .X.
11606 162. O                                                               X.
11612 163. O                                                               X.
11618 164. O                                                               X.
11624 165. O                                                               X.
11630 166. O                                                               X.
11636 167. O                                                               X.
11642 168.  O                                                              X.
11648 169. O                                                               X.
11654 170. O                                                               X.
11700 171.O.                                                                .
11706 172.O                                                                X.
11712 173. O                                                               X.
11718 174. O                                                               X.
11724 175. O                                                               X.
11730 176.O                                                                 .
11736 177.O                                                                X.
11742 178. O                                                               X.
11748 179.O                                                                 .
11754 180.O                                                                X.
11800 181. O                                                              .X.
11806 182.O                                                                 .
11812 183.O                                                                X.
11818 184.O                                                                 .
11824 185.O                                                                X.
11830 186.O                                                                 .
11836 187.O                                                                X.
11842 188.O                                                                 .
11848 189.O                                                                X.
11854 190.O                                                                 .
11900 191.O.                                                              .X.
11906 192.O                                                                 .
11912 193.O                                                                 .
11918 194.O                                                                X.
11924 195.O                                                                 .
11930 196.O                                                                X.
11936 197.O                                                                 .
11942 198.O                                                                 .
11948 199.O                                                                X.
11954 200.O                                                                 .
12000 201.O.                                                                .
12006 202.O                                                                 .
12012 203.O                                                                X.
12018 204.O                                                                 .
12024 205.O                                                                 .
12030 206.O                                                                 .
12036 207.O                                                                X.
12042 208.O                                                                 .
12048 209.O                                                                 .
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12054 210.o        .         .         .         .         .         .         .         .         .         .         .         .
12100 211.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.o        .         .         .         .         .         .         .         .         .         .         .        X.
12112 213.o        .         .         .         .         .         .         .         .         .         .         .         .
12118 214.o        .         .         .         .         .         .         .         .         .         .         .         .
12124 215.o        .         .         .         .         .         .         .         .         .         .         .         .
12130 216.o        .         .         .         .         .         .         .         .         .         .         .         .
12136 217.o        .         .         .         .         .         .         .         .         .         .         .         .
12142 218.o        .         .         .         .         .         .         .         .         .         .         .         .
12148 219.o        .         .         .         .         .         .         .         .         .         .         .         .
12154 220.o        .         .         .         .         .         .         .         .         .         .         .         .
12200 221.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . X.
12206 222.o        .         .         .         .         .         .         .         .         .         .         .         .
12212 223.o        .         .         .         .         .         .         .         .         .         .         .         .
12218 224.o        .         .         .         .         .         .         .         .         .         .         .         .
12224 225.o        .         .         .         .         .         .         .         .         .         .         .         .
12230 226.o        .         .         .         .         .         .         .         .         .         .         .         .
12236 227.o        .         .         .         .         .         .         .         .         .         .         .         .
12242 228.o        .         .         .         .         .         .         .         .         .         .         .         .
12248 229.o        .         .         .         .         .         .         .         .         .         .         .         .
12254 230.o        .         .         .         .         .         .         .         .         .         .         .         .
12300 231.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.o        .         .         .         .         .         .         .         .         .         .         .         .
12312 233.o        .         .         .         .         .         .         .         .         .         .         .         .
12318 234.o        .         .         .         .         .         .         .         .         .         .         .         .
12324 235.o        .         .         .         .         .         .         .         .         .         .         .         .
12330 236.o        .         .         .         .         .         .         .         .         .         .         .         .
12336 237.o        .         .         .         .         .         .         .         .         .         .         .         .
12342 238.o        .         .         .         .         .         .         .         .         .         .         .         .
12348 239.o        .         .         .         .         .         .         .         .         .         .         .         .
12354 240.o        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.o---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB C
PLAN 1, RATIO = .63

DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.
1	0006	2	.01	.01	.00	0.
1	0012	3	.01	.01	.00	0.
1	0018	4	.00	.00	.00	0.
1	0024	5	.01	.01	.00	0.
1	0030	6	.00	.00	.00	0.
1	0036	7	.01	.01	.00	0.
1	0042	8	.01	.01	.00	0.
1	0048	9	.01	.01	.00	0.
1	0054	10	.00	.00	.00	0.
1	0100	11	.01	.01	.00	0.
1	0106	12	.01	.01	.00	0.
1	0112	13	.01	.01	.00	0.
1	0118	14	.01	.01	.00	0.
1	0124	15	.01	.01	.00	0.
1	0130	16	.00	.00	.00	0.
1	0136	17	.01	.01	.00	0.
1	0142	18	.01	.01	.00	0.
1	0148	19	.00	.00	.00	0.
1	0154	20	.01	.01	.00	0.
1	0200	21	.01	.01	.00	0.
1	0206	22	.01	.01	.00	0.
1	0212	23	.01	.01	.00	0.
1	0218	24	.01	.01	.00	0.
1	0224	25	.01	.01	.00	0.
1	0230	26	.01	.01	.00	0.
1	0236	27	.01	.01	.00	0.
1	0242	28	.01	.01	.00	0.
1	0248	29	.00	.00	.00	0.
1	0254	30	.01	.01	.00	0.
1	0300	31	.01	.01	.00	0.
1	0306	32	.01	.01	.00	0.
1	0312	33	.01	.01	.00	0.
1	0318	34	.00	.00	.00	0.
1	0324	35	.00	.00	.00	0.
1	0330	36	.01	.01	.00	0.
1	0336	37	.00	.00	.00	0.
1	0342	38	.01	.01	.00	0.
1	0348	39	.01	.01	.00	0.
1	0354	40	.00	.00	.00	0.
1	0400	41	.01	.01	.00	0.
1	0406	42	.01	.01	.00	0.
1	0412	43	.00	.00	.00	0.
1	0418	44	.00	.00	.00	0.
1	0424	45	.01	.01	.00	0.
1	0430	46	.01	.01	.00	0.
1	0436	47	.00	.00	.00	0.
1	0442	48	.01	.01	.00	0.
1	0448	49	.01	.01	.00	0.
1	0454	50	.00	.00	.00	0.
1	0500	51	.01	.01	.00	0.
1	0506	52	.00	.00	.00	0.
1	0512	53	.01	.01	.00	0.
1	0518	54	.01	.01	.00	0.
1	0524	55	.01	.01	.00	0.
1	0530	56	.01	.01	.00	0.
1	0536	57	.01	.01	.00	0.
1	0542	58	.01	.01	.00	0.
1	0548	59	.01	.01	.00	0.
1	0554	60	.01	.01	.00	0.
1	0600	61	.01	.01	.00	0.
1	0606	62	.01	.01	.00	0.
1	0612	63	.01	.01	.00	0.

DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	1206	122	.42	.14	.28	3.
1	1212	123	.27	.08	.19	2.
1	1218	124	.17	.05	.13	2.
1	1224	125	.08	.02	.06	1.
1	1230	126	.07	.02	.05	1.
1	1236	127	.06	.02	.04	1.
1	1242	128	.06	.01	.04	1.
1	1248	129	.05	.01	.03	0.
1	1254	130	.04	.01	.03	0.
1	1300	131	.04	.01	.03	0.
1	1306	132	.04	.01	.03	0.
1	1312	133	.04	.01	.03	0.
1	1318	134	.03	.01	.02	0.
1	1324	135	.03	.01	.03	0.
1	1330	136	.03	.01	.02	0.
1	1336	137	.02	.01	.02	0.
1	1342	138	.03	.01	.02	0.
1	1348	139	.02	.01	.02	0.
1	1354	140	.02	.01	.02	0.
1	1400	141	.02	.01	.02	0.
1	1406	142	.02	.01	.02	0.
1	1412	143	.02	.01	.02	0.
1	1418	144	.02	.00	.02	0.
1	1424	145	.02	.00	.02	0.
1	1430	146	.02	.01	.02	0.
1	1436	147	.02	.00	.02	0.
1	1442	148	.02	.00	.02	0.
1	1448	149	.02	.00	.01	0.
1	1454	150	.02	.00	.02	0.
1	1500	151	.02	.00	.02	0.
1	1506	152	.02	.00	.02	0.
1	1512	153	.02	.00	.01	0.
1	1518	154	.02	.00	.02	0.
1	1524	155	.01	.00	.01	0.
1	1530	156	.02	.00	.01	0.
1	1536	157	.02	.00	.02	0.
1	1542	158	.01	.00	.01	0.
1	1548	159	.02	.00	.01	0.
1	1554	160	.02	.00	.01	0.
1	1600	161	.01	.00	.01	0.
1	1606	162	.02	.00	.01	0.
1	1612	163	.02	.00	.01	0.
1	1618	164	.01	.00	.01	0.
1	1624	165	.02	.00	.01	0.
1	1630	166	.01	.00	.01	0.
1	1636	167	.02	.00	.01	0.
1	1642	168	.02	.00	.01	0.
1	1648	169	.01	.00	.01	0.
1	1654	170	.01	.00	.01	0.
1	1700	171	.00	.00	.00	0.
1	1706	172	.01	.00	.01	0.
1	1712	173	.01	.00	.01	0.
1	1718	174	.01	.00	.01	0.
1	1724	175	.01	.00	.01	0.
1	1730	176	.00	.00	.00	0.
1	1736	177	.01	.00	.01	0.
1	1742	178	.01	.00	.01	0.
1	1748	179	.00	.00	.00	0.
1	1754	180	.01	.00	.01	0.
1	1800	181	.01	.00	.01	0.
1	1806	182	.00	.00	.00	0.
1	1812	183	.01	.00	.01	0.
1	1818	184	.01	.00	.00	0.

1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	0.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.00	.00	.00	0.
1	0630	66	.00	.00	.00	0.	*	1	1836	187	.01	.00	.01	0.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.00	.00	.00	0.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	0.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.00	.00	.00	0.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	0.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.00	.00	.00	0.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.00	.00	.00	0.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	0.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.00	.00	.00	0.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	0.
1	0730	76	.01	.01	.00	0.	*	1	1936	197	.01	.00	.00	0.
1	0736	77	.01	.01	.00	0.	*	1	1942	198	.00	.00	.00	0.
1	0742	78	.01	.01	.00	0.	*	1	1948	199	.01	.00	.01	0.
1	0748	79	.01	.01	.00	0.	*	1	1954	200	.00	.00	.00	0.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.00	0.
1	0800	81	.01	.01	.00	0.	*	1	2006	202	.00	.00	.00	0.
1	0806	82	.01	.01	.00	0.	*	1	2012	203	.01	.00	.01	0.
1	0812	83	.01	.01	.00	0.	*	1	2018	204	.01	.00	.00	0.
1	0818	84	.01	.01	.00	0.	*	1	2024	205	.00	.00	.00	0.
1	0824	85	.02	.01	.00	0.	*	1	2030	206	.00	.00	.00	0.
1	0830	86	.01	.01	.00	0.	*	1	2036	207	.01	.00	.01	0.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.01	.00	.00	0.
1	0842	88	.01	.01	.00	0.	*	1	2048	209	.00	.00	.00	0.
1	0848	89	.02	.01	.00	0.	*	1	2054	210	.00	.00	.00	0.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.00	.00	.00	0.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	0.
1	0906	92	.01	.01	.00	0.	*	1	2112	213	.00	.00	.00	0.
1	0912	93	.02	.02	.00	0.	*	1	2118	214	.00	.00	.00	0.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.00	.00	.00	0.
1	0924	95	.02	.02	.00	0.	*	1	2130	216	.01	.00	.00	0.
1	0930	96	.02	.02	.00	0.	*	1	2136	217	.00	.00	.00	0.
1	0936	97	.02	.02	.00	0.	*	1	2142	218	.00	.00	.00	0.
1	0942	98	.02	.02	.00	0.	*	1	2148	219	.00	.00	.00	0.
1	0948	99	.02	.02	.00	0.	*	1	2154	220	.00	.00	.00	0.
1	0954	100	.02	.02	.00	0.	*	1	2200	221	.01	.00	.01	0.
1	1000	101	.02	.02	.00	0.	*	1	2206	222	.00	.00	.00	0.
1	1006	102	.03	.02	.01	0.	*	1	2212	223	.00	.00	.00	0.
1	1012	103	.02	.02	.01	0.	*	1	2218	224	.01	.00	.00	0.
1	1018	104	.03	.02	.01	0.	*	1	2224	225	.00	.00	.00	0.
1	1024	105	.02	.02	.01	0.	*	1	2230	226	.00	.00	.00	0.
1	1030	106	.03	.02	.01	0.	*	1	2236	227	.00	.00	.00	0.
1	1036	107	.03	.02	.01	0.	*	1	2242	228	.00	.00	.00	0.
1	1042	108	.03	.02	.01	0.	*	1	2248	229	.01	.00	.00	0.
1	1048	109	.03	.02	.01	0.	*	1	2254	230	.00	.00	.00	0.
1	1054	110	.03	.02	.01	0.	*	1	2300	231	.00	.00	.00	0.
1	1100	111	.04	.03	.01	0.	*	1	2306	232	.00	.00	.00	0.
1	1106	112	.04	.03	.01	0.	*	1	2312	233	.00	.00	.00	0.
1	1112	113	.04	.03	.01	0.	*	1	2318	234	.01	.00	.00	0.
1	1118	114	.05	.03	.02	0.	*	1	2324	235	.00	.00	.00	0.
1	1124	115	.06	.03	.02	0.	*	1	2330	236	.00	.00	.00	0.
1	1130	116	.06	.03	.02	0.	*	1	2336	237	.00	.00	.00	0.
1	1136	117	.07	.04	.03	0.	*	1	2342	238	.01	.00	.00	0.
1	1142	118	.08	.04	.04	0.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.17	.09	.08	1.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.27	.13	.14	1.	*	2	0000	241	.00	.00	.00	0.
1	1200	121	.42	.17	.25	2.	*							

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   TOTAL RAINFALL =     5.00, TOTAL LOSS =     2.38, TOTAL EXCESS =     2.62

  PEAK FLOW       TIME                          MAXIMUM AVERAGE FLOW
                                       6-HR        24-HR        72-HR       24.00-HR
+    (CFS)        (HR)
                              (CFS)
+       3.        12.10                   0.           0.           0.           0.
                            (INCHES)   2.149        2.619        2.619        2.619
                            (AC-FT)       0.           0.           0.           0.

                            CUMULATIVE AREA =       .00 SQ MI

1                                                        STATION     SUB C

                              (O) OUTFLOW
          .0        .4        .8       1.2       1.6       2.0       2.4       2.8        .0        .0        .0        .0        .0
                                                                                                      (L) PRECIP,   (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
 10000  10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006  20         .         .         .         .         .         .         .         .         .         .         .         .
 10012  30         .         .         .         .         .         .         .         .         .         .         .         .
 10018  40         .         .         .         .         .         .         .         .         .         .         .         .
 10024  50         .         .         .         .         .         .         .         .         .         .         .         .
 10030  60         .         .         .         .         .         .         .         .         .         .         .         .
 10036  70         .         .         .         .         .         .         .         .         .         .         .         .
 10042  80         .         .         .         .         .         .         .         .         .         .         .         .
 10048  90         .         .         .         .         .         .         .         .         .         .         .         .
 10054 100         .         .         .         .         .         .         .         .         .         .         .         .
 10100 110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106 120         .         .         .         .         .         .         .         .         .         .         .         .
 10112 130         .         .         .         .         .         .         .         .         .         .         .         .
 10118 140         .         .         .         .         .         .         .         .         .         .         .         .
 10124 150         .         .         .         .         .         .         .         .         .         .         .         .
 10130 160         .         .         .         .         .         .         .         .         .         .         .         .
 10136 170         .         .         .         .         .         .         .         .         .         .         .         .
 10142 180         .         .         .         .         .         .         .         .         .         .         .         .
 10148 190         .         .         .         .         .         .         .         .         .         .         .         .
 10154 200         .         .         .         .         .         .         .         .         .         .         .         .
 10200 210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206 220         .         .         .         .         .         .         .         .         .         .         .         .
 10212 230         .         .         .         .         .         .         .         .         .         .         .         .
 10218 240         .         .         .         .         .         .         .         .         .         .         .         .
 10224 250         .         .         .         .         .         .         .         .         .         .         .         .
 10230 260         .         .         .         .         .         .         .         .         .         .         .         L.
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10236  270         .         .         .         .         .         .         .         .         .         .         .         .
10242  280         .         .         .         .         .         .         .         .         .         .         .         .
10248  290         .         .         .         .         .         .         .         .         .         .         .         .
10254  300         .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320         .         .         .         .         .         .         .         .         .         .         .  .      .
10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
10318  340         .         .         .         .         .         .         .         .         .         .         .         .
10324  350         .         .         .         .         .         .         .         .         .         .         .         .
10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
10354  400         .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
10412  430         .         .         .         .         .         .         .         .         .         .         .         .
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .         .
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .         .
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .         .
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .         .
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .         .
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .         .
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .         .
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .        L.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .        L.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .        L.
10918  94.o        .         .         .         .         .         .         .         .         .         .         .        L.
10924  95.o        .         .         .         .         .         .         .         .         .         .         .        L.
10930  96.o        .         .         .         .         .         .         .         .         .         .         .        L.
10936  97.o        .         .         .         .         .         .         .         .         .         .         .        L.
10942  98.o        .         .         .         .         .         .         .         .         .         .         .        L.
10948  99.o        .         .         .         .         .         .         .         .         .         .         .        L.
10954 100.o        .         .         .         .         .         .         .         .         .         .         .        L.
11000 101.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102.o        .         .         .         .         .         .         .         .         .         .         .        L.
11012 103.o        .         .         .         .         .         .         .         .         .         .         .        L.
11018 104. o       .         .         .         .         .         .         .         .         .         .         .        L.
11024 105. o       .         .         .         .         .         .         .         .         .         .         .        L.
11030 106. o       .         .         .         .         .         .         .         .         .         .         .       LL.
11036 107. o       .         .         .         .         .         .         .         .         .         .         .        L.
11042 108. o       .         .         .         .         .         .         .         .         .         .         .        L.
11048 109. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11054 110.  o      .         .         .         .         .         .         .         .         .         .         .       LX.
11100 111. .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11106 112.  o      .         .         .         .         .         .         .         .         .         .         .       LX.
11112 113.   o     .         .         .         .         .         .         .         .         .         .         .       LX.
11118 114.   o     .         .         .         .         .         .         .         .         .         .         .       LX.
11124 115.    o    .         .         .         .         .         .         .         .         .         .         .      LLX.
11130 116.     o   .         .         .         .         .         .         .         .         .         .         .      LLX.
11136 117.      o  .         .         .         .         .         .         .         .         .         .         .      LLX.
11142 118.       o .         .         .         .         .         .         .         .         .         .         .     LLXX.
11148 119.         .    o    .         .         .         .         .         .         .         .         .         .LLLLLXXXX.
11154 120.         .         .      o  .         .         .         .         .         .         .         .      LLLLLLXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . .LLLLLLLLLXXXXXXXXXXXX.
11206 122.         .         .         .         .         .         .    o    .         .         .        LLLLLLLXXXXXXXXXXXXXX.
11212 123.         .         .         .         .         .         . o       .         .         .         .     LLLLLXXXXXXXXX.
11218 124.         .         .         .         .      o  .         .         .         .         .        .LLLXXXXXXX.
11224 125.         .         .         .o        .         .         .         .         .         .         .         .     LXXX.
11230 126.         .        o.         .         .         .         .         .         .         .         .         .      LXX.
11236 127.         .    o    .         .         .         .         .         .         .         .         .         .      LXX.
11242 128.         .  o      .         .         .         .         .         .         .         .         .         .      LXX.
11248 129.         .o        .         .         .         .         .         .         .         .         .         .       XX.
11254 130.         o         .         .         .         .         .         .         .         .         .         .       XX.
11300 131. . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11306 132.       o .         .         .         .         .         .         .         .         .         .         .       LX.
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11312 133.        O .         .         .         .         .         .         .         .         .         .         .        XX.
11318 134.       O  .         .         .         .         .         .         .         .         .         .         .        LX.
11324 135.       O  .         .         .         .         .         .         .         .         .         .         .        LX.
11330 136.       O  .         .         .         .         .         .         .         .         .         .         .        LX.
11336 137.      O   .         .         .         .         .         .         .         .         .         .         .         X.
11342 138.      O   .         .         .         .         .         .         .         .         .         .         .         X.
11348 139.      O   .         .         .         .         .         .         .         .         .         .         .         X.
11354 140.      O   .         .         .         .         .         .         .         .         .         .         .         X.
11400 141. .  .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11406 142.     O    .         .         .         .         .         .         .         .         .         .         .         X.
11412 143.     O    .         .         .         .         .         .         .         .         .         .         .         X.
11418 144.     O    .         .         .         .         .         .         .         .         .         .         .         X.
11424 145.     O    .         .         .         .         .         .         .         .         .         .         .         X.
11430 146.     O    .         .         .         .         .         .         .         .         .         .         .         X.
11436 147.     O    .         .         .         .         .         .         .         .         .         .         .         X.
11442 148.   O      .         .         .         .         .         .         .         .         .         .         .         X.
11448 149.   O      .         .         .         .         .         .         .         .         .         .         .         X.
11454 150.   O      .         .         .         .         .         .         .         .         .         .         .         X.
11500 151. . O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.   O      .         .         .         .         .         .         .         .         .         .         .         X.
11512 153.   O      .         .         .         .         .         .         .         .         .         .         .         X.
11518 154.   O      .         .         .         .         .         .         .         .         .         .         .         X.
11524 155.   O      .         .         .         .         .         .         .         .         .         .         .         X.
11530 156.  O       .         .         .         .         .         .         .         .         .         .         .         X.
11536 157.   O      .         .         .         .         .         .         .         .         .         .         .         X.
11542 158.   O      .         .         .         .         .         .         .         .         .         .         .         X.
11548 159.  O       .         .         .         .         .         .         .         .         .         .         .         X.
11554 160.  O       .         .         .         .         .         .         .         .         .         .         .         X.
11600 161. .O.  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.  O       .         .         .         .         .         .         .         .         .         .         .         X.
11612 163.  O       .         .         .         .         .         .         .         .         .         .         .         X.
11618 164.  O       .         .         .         .         .         .         .         .         .         .         .         X.
11624 165.  O       .         .         .         .         .         .         .         .         .         .         .         X.
11630 166.  O       .         .         .         .         .         .         .         .         .         .         .          .
11636 167.  O       .         .         .         .         .         .         .         .         .         .         .         X.
11642 168.  O       .         .         .         .         .         .         .         .         .         .         .         X.
11648 169.  O       .         .         .         .         .         .         .         .         .         .         .          .
11654 170. O        .         .         .         .         .         .         .         .         .         .         .         L.
11700 171. O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O        .         .         .         .         .         .         .         .         .         .         .          .
11712 173. O        .         .         .         .         .         .         .         .         .         .         .         L.
11718 174. O        .         .         .         .         .         .         .         .         .         .         .          .
11724 175. O        .         .         .         .         .         .         .         .         .         .         .         L.
11730 176. O        .         .         .         .         .         .         .         .         .         .         .          .
11736 177. O        .         .         .         .         .         .         .         .         .         .         .          .
11742 178. O        .         .         .         .         .         .         .         .         .         .         .         L.
11748 179. O        .         .         .         .         .         .         .         .         .         .         .          .
11754 180. O        .         .         .         .         .         .         .         .         .         .         .          .
11800 181. O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11806 182. O        .         .         .         .         .         .         .         .         .         .         .          .
11812 183. O        .         .         .         .         .         .         .         .         .         .         .          .
11818 184. O        .         .         .         .         .         .         .         .         .         .         .          .
11824 185. O        .         .         .         .         .         .         .         .         .         .         .          .
11830 186. O        .         .         .         .         .         .         .         .         .         .         .          .
11836 187. O        .         .         .         .         .         .         .         .         .         .         .         L.
11842 188. O        .         .         .         .         .         .         .         .         .         .         .          .
11848 189. O        .         .         .         .         .         .         .         .         .         .         .          .
11854 190. O        .         .         .         .         .         .         .         .         .         .         .          .
11900 191. O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11906 192. O        .         .         .         .         .         .         .         .         .         .         .          .
11912 193.O         .         .         .         .         .         .         .         .         .         .         .          .
11918 194. O        .         .         .         .         .         .         .         .         .         .         .         L.
11924 195. O        .         .         .         .         .         .         .         .         .         .         .          .
11930 196. O        .         .         .         .         .         .         .         .         .         .         .          .
11936 197. O        .         .         .         .         .         .         .         .         .         .         .          .
11942 198.O         .         .         .         .         .         .         .         .         .         .         .          .
11948 199. O        .         .         .         .         .         .         .         .         .         .         .          .
11954 200. O        .         .         .         .         .         .         .         .         .         .         .          .
12000 201.O.  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O         .         .         .         .         .         .         .         .         .         .         .          .
12012 203. O        .         .         .         .         .         .         .         .         .         .         .          .
12018 204. O        .         .         .         .         .         .         .         .         .         .         .          .
12024 205.O         .         .         .         .         .         .         .         .         .         .         .          .
12030 206.O         .         .         .         .         .         .         .         .         .         .         .          .
12036 207. O        .         .         .         .         .         .         .         .         .         .         .          .
12042 208. O        .         .         .         .         .         .         .         .         .         .         .          .
12048 209.O         .         .         .         .         .         .         .         .         .         .         .          .
12054 210.O         .         .         .         .         .         .         .         .         .         .         .          .
12100 211.O.  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O        .         .         .         .         .         .         .         .         .         .         .         L.
12112 213. O        .         .         .         .         .         .         .         .         .         .         .          .
12118 214.O         .         .         .         .         .         .         .         .         .         .         .          .
12124 215.O         .         .         .         .         .         .         .         .         .         .         .          .
12130 216.O         .         .         .         .         .         .         .         .         .         .         .          .
12136 217.O         .         .         .         .         .         .         .         .         .         .         .          .
12142 218.O         .         .         .         .         .         .         .         .         .         .         .          .
12148 219.O         .         .         .         .         .         .         .         .         .         .         .          .
12154 220.O         .         .         .         .         .         .         .         .         .         .         .          .
12200 221. O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
12206 222. O        .         .         .         .         .         .         .         .         .         .         .          .
12212 223.O         .         .         .         .         .         .         .         .         .         .         .          .
12218 224.O         .         .         .         .         .         .         .         .         .         .         .          .
12224 225.O         .         .         .         .         .         .         .         .         .         .         .          .
12230 226.O         .         .         .         .         .         .         .         .         .         .         .          .
12236 227.O         .         .         .         .         .         .         .         .         .         .         .          .
12242 228.O         .         .         .         .         .         .         .         .         .         .         .          .
12248 229.O         .         .         .         .         .         .         .         .         .         .         .          .
12254 230.O         .         .         .         .         .         .         .         .         .         .         .          .
12300 231.O.  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O         .         .         .         .         .         .         .         .         .         .         .          .
12312 233.O         .         .         .         .         .         .         .         .         .         .         .          .
12318 234.O         .         .         .         .         .         .         .         .         .         .         .          .
12324 235.O         .         .         .         .         .         .         .         .         .         .         .          .
12330 236.O         .         .         .         .         .         .         .         .         .         .         .          .
12336 237.O         .         .         .         .         .         .         .         .         .         .         .          .
12342 238.O         .         .         .         .         .         .         .         .         .         .         .          .
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12348 239.0        .         .         .         .         .         .         .         .         .         .         .         .         .
12354 240.0        .         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.0---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB C
PLAN 1, RATIO = .76

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DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.
1	0006	2	.01	.01	.00	0.
1	0012	3	.01	.01	.00	0.
1	0018	4	.01	.01	.00	0.
1	0024	5	.01	.01	.00	0.
1	0030	6	.01	.01	.00	0.
1	0036	7	.01	.01	.00	0.
1	0042	8	.01	.01	.00	0.
1	0048	9	.01	.01	.00	0.
1	0054	10	.01	.01	.00	0.
1	0100	11	.01	.01	.00	0.
1	0106	12	.01	.01	.00	0.
1	0112	13	.01	.01	.00	0.
1	0118	14	.01	.01	.00	0.
1	0124	15	.01	.01	.00	0.
1	0130	16	.01	.01	.00	0.
1	0136	17	.01	.01	.00	0.
1	0142	18	.01	.01	.00	0.
1	0148	19	.01	.01	.00	0.
1	0154	20	.01	.01	.00	0.
1	0200	21	.01	.01	.00	0.
1	0206	22	.01	.01	.00	0.
1	0212	23	.01	.01	.00	0.
1	0218	24	.01	.01	.00	0.
1	0224	25	.01	.01	.00	0.
1	0230	26	.01	.01	.00	0.
1	0236	27	.01	.01	.00	0.
1	0242	28	.01	.01	.00	0.
1	0248	29	.01	.01	.00	0.
1	0254	30	.01	.01	.00	0.
1	0300	31	.01	.01	.00	0.
1	0306	32	.01	.01	.00	0.
1	0312	33	.01	.01	.00	0.
1	0318	34	.01	.01	.00	0.
1	0324	35	.01	.01	.00	0.
1	0330	36	.01	.01	.00	0.
1	0336	37	.01	.01	.00	0.
1	0342	38	.01	.01	.00	0.
1	0348	39	.01	.01	.00	0.
1	0354	40	.01	.01	.00	0.
1	0400	41	.01	.01	.00	0.
1	0406	42	.01	.01	.00	0.
1	0412	43	.01	.01	.00	0.
1	0418	44	.01	.01	.00	0.
1	0424	45	.01	.01	.00	0.
1	0430	46	.01	.01	.00	0.
1	0436	47	.01	.01	.00	0.
1	0442	48	.01	.01	.00	0.
1	0448	49	.01	.01	.00	0.
1	0454	50	.01	.01	.00	0.
1	0500	51	.01	.01	.00	0.
1	0506	52	.01	.01	.00	0.
1	0512	53	.01	.01	.00	0.
1	0518	54	.01	.01	.00	0.
1	0524	55	.01	.01	.00	0.
1	0530	56	.01	.01	.00	0.
1	0536	57	.01	.01	.00	0.
1	0542	58	.01	.01	.00	0.
1	0548	59	.01	.01	.00	0.
1	0554	60	.01	.01	.00	0.
1	0600	61	.01	.01	.00	0.
1	0606	62	.01	.01	.00	0.
1	0612	63	.01	.01	.00	0.
1	0618	64	.01	.01	.00	0.
1	0624	65	.01	.01	.00	0.
1	0630	66	.01	.01	.00	0.
1	0636	67	.01	.01	.00	0.
1	0642	68	.01	.01	.00	0.
1	0648	69	.01	.01	.00	0.
1	0654	70	.01	.01	.00	0.
1	0700	71	.01	.01	.00	0.
1	0706	72	.01	.01	.00	0.
1	0712	73	.01	.01	.00	0.
1	0718	74	.01	.01	.00	0.
1	0724	75	.01	.01	.00	0.
1	0730	76	.02	.02	.00	0.
1	0736	77	.02	.02	.00	0.
1	0742	78	.02	.02	.00	0.
1	0748	79	.02	.02	.00	0.
1	0754	80	.02	.02	.00	0.
1	0800	81	.02	.02	.00	0.
1	0806	82	.02	.02	.00	0.
1	0812	83	.02	.02	.00	0.
1	0818	84	.02	.02	.00	0.
1	0824	85	.02	.02	.00	0.
1	0830	86	.02	.02	.00	0.
1	0836	87	.02	.02	.00	0.
1	0842	88	.02	.02	.00	0.
1	0848	89	.02	.02	.00	0.
1	0854	90	.02	.02	.00	0.
1	0900	91	.02	.02	.00	0.
1	0906	92	.02	.01	.00	0.

DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	1206	122	.51	.14	.37	4.
1	1212	123	.33	.08	.25	3.
1	1218	124	.21	.05	.17	3.
1	1224	125	.10	.02	.08	2.
1	1230	126	.08	.02	.06	1.
1	1236	127	.07	.01	.06	1.
1	1242	128	.07	.01	.05	1.
1	1248	129	.05	.01	.04	1.
1	1254	130	.05	.01	.04	1.
1	1300	131	.05	.01	.04	0.
1	1306	132	.04	.01	.03	0.
1	1312	133	.05	.01	.04	0.
1	1318	134	.04	.01	.03	0.
1	1324	135	.04	.01	.04	0.
1	1330	136	.04	.01	.03	0.
1	1336	137	.03	.01	.03	0.
1	1342	138	.04	.01	.03	0.
1	1348	139	.03	.01	.03	0.
1	1354	140	.03	.01	.03	0.
1	1400	141	.03	.01	.03	0.
1	1406	142	.03	.01	.03	0.
1	1412	143	.03	.00	.03	0.
1	1418	144	.02	.00	.02	0.
1	1424	145	.02	.00	.02	0.
1	1430	146	.03	.00	.03	0.
1	1436	147	.02	.00	.02	0.
1	1442	148	.02	.00	.02	0.
1	1448	149	.02	.00	.02	0.
1	1454	150	.02	.00	.02	0.
1	1500	151	.02	.00	.02	0.
1	1506	152	.02	.00	.02	0.
1	1512	153	.02	.00	.02	0.
1	1518	154	.02	.00	.02	0.
1	1524	155	.02	.00	.02	0.
1	1530	156	.02	.00	.02	0.
1	1536	157	.02	.00	.02	0.
1	1542	158	.02	.00	.02	0.
1	1548	159	.02	.00	.02	0.
1	1554	160	.02	.00	.02	0.
1	1600	161	.02	.00	.02	0.
1	1606	162	.02	.00	.02	0.
1	1612	163	.02	.00	.02	0.
1	1618	164	.02	.00	.02	0.
1	1624	165	.02	.00	.02	0.
1	1630	166	.01	.00	.01	0.
1	1636	167	.02	.00	.02	0.
1	1642	168	.02	.00	.02	0.
1	1648	169	.01	.00	.01	0.
1	1654	170	.01	.00	.01	0.
1	1700	171	.01	.00	.01	0.
1	1706	172	.01	.00	.01	0.
1	1712	173	.01	.00	.01	0.
1	1718	174	.01	.00	.01	0.
1	1724	175	.01	.00	.01	0.
1	1730	176	.01	.00	.01	0.
1	1736	177	.01	.00	.01	0.
1	1742	178	.01	.00	.01	0.
1	1748	179	.01	.00	.01	0.
1	1754	180	.01	.00	.01	0.
1	1800	181	.01	.00	.01	0.
1	1806	182	.01	.00	.01	0.
1	1812	183	.01	.00	.01	0.
1	1818	184	.01	.00	.01	0.
1	1824	185	.01	.00	.01	0.
1	1830	186	.01	.00	.01	0.
1	1836	187	.01	.00	.01	0.
1	1842	188	.01	.00	.01	0.
1	1848	189	.01	.00	.01	0.
1	1854	190	.01	.00	.01	0.
1	1900	191	.01	.00	.01	0.
1	1906	192	.01	.00	.01	0.
1	1912	193	.01	.00	.01	0.
1	1918	194	.01	.00	.01	0.
1	1924	195	.01	.00	.01	0.
1	1930	196	.01	.00	.01	0.
1	1936	197	.01	.00	.01	0.
1	1942	198	.01	.00	.01	0.
1	1948	199	.01	.00	.01	0.
1	1954	200	.01	.00	.01	0.
1	2000	201	.01	.00	.01	0.
1	2006	202	.01	.00	.01	0.
1	2012	203	.01	.00	.01	0.
1	2018	204	.01	.00	.01	0.
1	2024	205	.01	.00	.01	0.
1	2030	206	.01	.00	.01	0.
1	2036	207	.01	.00	.01	0.
1	2042	208	.01	.00	.01	0.
1	2048	209	.01	.00	.01	0.
1	2054	210	.01	.00	.01	0.
1	2100	211	.01	.00	.01	0.
1	2106	212	.01	.00	.01	0.
1	2112	213	.01	.00	.01	0.

1	0912	93	.02	.02	.00	0.	*	1	2118	214	.01	.00	.01	0.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.01	.00	.01	0.
1	0924	95	.02	.02	.01	0.	*	1	2130	216	.01	.00	.01	0.
1	0930	96	.02	.02	.01	0.	*	1	2136	217	.01	.00	.01	0.
1	0936	97	.02	.02	.01	0.	*	1	2142	218	.01	.00	.01	0.
1	0942	98	.03	.02	.01	0.	*	1	2148	219	.01	.00	.01	0.
1	0948	99	.02	.02	.01	0.	*	1	2154	220	.01	.00	.01	0.
1	0954	100	.03	.02	.01	0.	*	1	2200	221	.01	.00	.01	0.
1	1000	101	.02	.02	.01	0.	*	1	2206	222	.01	.00	.01	0.
1	1006	102	.03	.02	.01	0.	*	1	2212	223	.01	.00	.01	0.
1	1012	103	.03	.02	.01	0.	*	1	2218	224	.01	.00	.01	0.
1	1018	104	.04	.02	.01	0.	*	1	2224	225	.01	.00	.01	0.
1	1024	105	.03	.02	.01	0.	*	1	2230	226	.01	.00	.01	0.
1	1030	106	.04	.02	.01	0.	*	1	2236	227	.01	.00	.01	0.
1	1036	107	.04	.02	.01	0.	*	1	2242	228	.01	.00	.01	0.
1	1042	108	.04	.02	.01	0.	*	1	2248	229	.01	.00	.01	0.
1	1048	109	.04	.03	.02	0.	*	1	2254	230	.01	.00	.01	0.
1	1054	110	.04	.03	.02	0.	*	1	2300	231	.01	.00	.01	0.
1	1100	111	.05	.03	.02	0.	*	1	2306	232	.01	.00	.01	0.
1	1106	112	.05	.03	.02	0.	*	1	2312	233	.01	.00	.01	0.
1	1112	113	.05	.03	.02	0.	*	1	2318	234	.01	.00	.01	0.
1	1118	114	.06	.03	.03	0.	*	1	2324	235	.01	.00	.01	0.
1	1124	115	.07	.04	.03	0.	*	1	2330	236	.01	.00	.01	0.
1	1130	116	.07	.03	.03	0.	*	1	2336	237	.01	.00	.01	0.
1	1136	117	.09	.04	.04	0.	*	1	2342	238	.01	.00	.01	0.
1	1142	118	.10	.05	.05	0.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.21	.09	.12	1.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.32	.13	.20	2.	*	2	0000	241	.01	.00	.01	0.
1	1200	121	.51	.17	.34	3.	*							

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*******************************************************************************************************************

   TOTAL RAINFALL =    6.10, TOTAL LOSS =    2.53, TOTAL EXCESS =    3.57

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                  6-HR        24-HR       72-HR      24.00-HR
+  (CFS)       (HR)
                         (CFS)
+    4.        12.10                 1.          0.          0.          0.
                       (INCHES)   2.900       3.561       3.561       3.561
                        (AC-FT)      0.          0.          0.          0.

                       CUMULATIVE AREA =    .00 SQ MI

1                                              STATION    SUB C

                         (O) OUTFLOW
          .0        .4        .8       1.2       1.6       2.0       2.4       2.8       3.2       3.6         .0          .0        .0
                                                                                                        (L) PRECIP,   (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .0        .6          .4          .2        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
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```
10530  560          .         .         .         .         .         .         .         .         .         .         .         .
10536  570          .         .         .         .         .         .         .         .         .         .         .        L.
10542  580          .         .         .         .         .         .         .         .         .         .         .         .
10548  590          .         .         .         .         .         .         .         .         .         .         .        L.
10554  600          .         .         .         .         .         .         .         .         .         .         .         .
10600  610  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620          .         .         .         .         .         .         .         .         .         .         .        L.
10612  630          .         .         .         .         .         .         .         .         .         .         .         .
10618  640          .         .         .         .         .         .         .         .         .         .         .        L.
10624  650          .         .         .         .         .         .         .         .         .         .         .        L.
10630  660          .         .         .         .         .         .         .         .         .         .         .         .
10636  670          .         .         .         .         .         .         .         .         .         .         .        L.
10642  680          .         .         .         .         .         .         .         .         .         .         .        L.
10648  690          .         .         .         .         .         .         .         .         .         .         .         .
10654  700          .         .         .         .         .         .         .         .         .         .         .        L.
10700  710  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720          .         .         .         .         .         .         .         .         .         .         .        L.
10712  730          .         .         .         .         .         .         .         .         .         .         .        L.
10718  740          .         .         .         .         .         .         .         .         .         .         .        L.
10724  750          .         .         .         .         .         .         .         .         .         .         .        L.
10730  760          .         .         .         .         .         .         .         .         .         .         .        L.
10736  770          .         .         .         .         .         .         .         .         .         .         .        L.
10742  780          .         .         .         .         .         .         .         .         .         .         .        L.
10748  790          .         .         .         .         .         .         .         .         .         .         .        L.
10754  800          .         .         .         .         .         .         .         .         .         .         .        L.
10800  810  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820          .         .         .         .         .         .         .         .         .         .         .        L.
10812  830          .         .         .         .         .         .         .         .         .         .         .        L.
10818  840          .         .         .         .         .         .         .         .         .         .         .        L.
10824  850          .         .         .         .         .         .         .         .         .         .         .        L.
10830  86.o         .         .         .         .         .         .         .         .         .         .         .        L.
10836  87.o         .         .         .         .         .         .         .         .         .         .         .        L.
10842  88.o         .         .         .         .         .         .         .         .         .         .         .        L.
10848  89.o         .         .         .         .         .         .         .         .         .         .         .        L.
10854  90.o         .         .         .         .         .         .         .         .         .         .         .        L.
10900  91.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  92.o         .         .         .         .         .         .         .         .         .         .         .        L.
10912  93.o         .         .         .         .         .         .         .         .         .         .         .        L.
10918  94.o         .         .         .         .         .         .         .         .         .         .         .        L.
10924  95.o         .         .         .         .         .         .         .         .         .         .         .        L.
10930  96.o         .         .         .         .         .         .         .         .         .         .         .        L.
10936  97. o        .         .         .         .         .         .         .         .         .         .         .        L.
10942  98. o        .         .         .         .         .         .         .         .         .         .         .       LL.
10948  99. o        .         .         .         .         .         .         .         .         .         .         .        L.
10954 100. o        .         .         .         .         .         .         .         .         .         .         .       LL.
11000 101. o  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102. o        .         .         .         .         .         .         .         .         .         .         .       LL.
11012 103. o        .         .         .         .         .         .         .         .         .         .         .       LL.
11018 104.  o       .         .         .         .         .         .         .         .         .         .         .       LX.
11024 105.  o       .         .         .         .         .         .         .         .         .         .         .       LX.
11030 106.  o       .         .         .         .         .         .         .         .         .         .         .       LX.
11036 107.  o       .         .         .         .         .         .         .         .         .         .         .       LX.
11042 108.   o      .         .         .         .         .         .         .         .         .         .         .       LX.
11048 109.   o      .         .         .         .         .         .         .         .         .         .         .       LX.
11054 110.   o      .         .         .         .         .         .         .         .         .         .         .       LX.
11100 111.  . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11106 112.    o     .         .         .         .         .         .         .         .         .         .         .       LX.
11112 113.     o    .         .         .         .         .         .         .         .         .         .         .       LX.
11118 114.      o   .         .         .         .         .         .         .         .         .         .         .      LLX.
11124 115.       o  .         .         .         .         .         .         .         .         .         .         .      LXX.
11130 116.        o..         .         .         .         .         .         .         .         .         .         .      LXX.
11136 117.          o         .         .         .         .         .         .         .         .         .         .     LLXX.
11142 118.          . o       .         .         .         .         .         .         .         .         .         .    LLXXX.
11148 119.          .         . o       .         .         .         .         .         .         .         .        LLLLLXXXXXX.
11154 120.          .         .         .        o.         .         .         .         .         .         .  LLLLLLXXXXXXXXXXX.
11200 121.  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .O. . . . . . . . . . . . . LLLLLLLLLXXXXXXXXXXXXXXXXX.
11206 122.          .         .         .         .         .         .         .        o.   LLLLLLLXXXXXXXXXXXXXXXXXXX.
11212 123.          .         .         .         .         .         .         .   o     .         .  LLLXXXXXXXXXXXXXX.
11218 124.          .         .         .         .         .   o     .         .         .         .       LLLXXXXXXXXX.
11224 125.          .         .         .         o         .         .         .         .         .         .    LXXXX.
11230 126.          .         .    o    .         .         .         .         .         .         .         .     LXXX.
11236 127.          .        o.         .         .         .         .         .         .         .         .     LXXX.
11242 128.          .     o   .         .         .         .         .         .         .         .         .      XXX.
11248 129.          .   o     .         .         .         .         .         .         .         .         .      LXX.
11254 130.          .  o      .         .         .         .         .         .         .         .         .      LXX.
11300 131.  . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11306 132.          .o        .         .         .         .         .         .         .         .         .         .       XX.
11312 133.          o         .         .         .         .         .         .         .         .         .         .       XX.
11318 134.          o         .         .         .         .         .         .         .         .         .         .       XX.
11324 135.         o.         .         .         .         .         .         .         .         .         .         .       XX.
11330 136.         o.         .         .         .         .         .         .         .         .         .         .       XX.
11336 137.        o .         .         .         .         .         .         .         .         .         .         .       LX.
11342 138.        o .         .         .         .         .         .         .         .         .         .         .       XX.
11348 139.        o .         .         .         .         .         .         .         .         .         .         .       LX.
11354 140.       o  .         .         .         .         .         .         .         .         .         .         .       LX.
11400 141.  . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.       o  .         .         .         .         .         .         .         .         .         .         .       LX.
11412 143.       o  .         .         .         .         .         .         .         .         .         .         .       LX.
11418 144.      o   .         .         .         .         .         .         .         .         .         .         .        X.
11424 145.      o   .         .         .         .         .         .         .         .         .         .         .        X.
11430 146.      o   .         .         .         .         .         .         .         .         .         .         .       LX.
11436 147.      o   .         .         .         .         .         .         .         .         .         .         .        X.
11442 148.      o   .         .         .         .         .         .         .         .         .         .         .        X.
11448 149.     o    .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.     o    .         .         .         .         .         .         .         .         .         .         .        X.
11500 151.  . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.      o   .         .         .         .         .         .         .         .         .         .         .        X.
11512 153.     o    .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.     o    .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.     o    .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.    o     .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.     o    .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.     o    .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.    o     .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.    o     .         .         .         .         .         .         .         .         .         .         .        X.
11600 161.  . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
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11606 162.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11654 170.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11700 171. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O       .         .         .         .         .         .         .         .         .         .         .        X.
11712 173.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11718 174.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11724 175.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11730 176. O       .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O       .         .         .         .         .         .         .         .         .         .         .        X.
11742 178.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11748 179. O       .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O       .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182. O       .         .         .         .         .         .         .         .         .         .         .         .
11812 183. O       .         .         .         .         .         .         .         .         .         .         .        X.
11818 184. O       .         .         .         .         .         .         .         .         .         .         .         .
11824 185. O       .         .         .         .         .         .         .         .         .         .         .        X.
11830 186. O       .         .         .         .         .         .         .         .         .         .         .         .
11836 187. O       .         .         .         .         .         .         .         .         .         .         .        X.
11842 188. O       .         .         .         .         .         .         .         .         .         .         .         .
11848 189. O       .         .         .         .         .         .         .         .         .         .         .        X.
11854 190. O       .         .         .         .         .         .         .         .         .         .         .         .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192. O       .         .         .         .         .         .         .         .         .         .         .         .
11912 193. O       .         .         .         .         .         .         .         .         .         .         .         .
11918 194. O       .         .         .         .         .         .         .         .         .         .         .        X.
11924 195. O       .         .         .         .         .         .         .         .         .         .         .         .
11930 196. O       .         .         .         .         .         .         .         .         .         .         .        X.
11936 197. O       .         .         .         .         .         .         .         .         .         .         .         .
11942 198. O       .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O       .         .         .         .         .         .         .         .         .         .         .        X.
11954 200. O       .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O       .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .        X.
12018 204. O       .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O       .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O       .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .        X.
12042 208. O       .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O       .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O       .         .         .         .         .         .         .         .         .         .         .         .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .        X.
12112 213. O       .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216.O        .         .         .         .         .         .         .         .         .         .         .         .
12136 217.O        .         .         .         .         .         .         .         .         .         .         .         .
12142 218.O        .         .         .         .         .         .         .         .         .         .         .         .
12148 219.O        .         .         .         .         .         .         .         .         .         .         .         .
12154 220.O        .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O       .         .         .         .         .         .         .         .         .         .         .         .
12224 225.O        .         .         .         .         .         .         .         .         .         .         .         .
12230 226.O        .         .         .         .         .         .         .         .         .         .         .         .
12236 227.O        .         .         .         .         .         .         .         .         .         .         .         .
12242 228.O        .         .         .         .         .         .         .         .         .         .         .         .
12248 229.O        .         .         .         .         .         .         .         .         .         .         .         .
12254 230.O        .         .         .         .         .         .         .         .         .         .         .         .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O        .         .         .         .         .         .         .         .         .         .         .         .
12312 233.O        .         .         .         .         .         .         .         .         .         .         .         .
12318 234.O        .         .         .         .         .         .         .         .         .         .         .         .
12324 235.O        .         .         .         .         .         .         .         .         .         .         .         .
12330 236.O        .         .         .         .         .         .         .         .         .         .         .         .
12336 237.O        .         .         .         .         .         .         .         .         .         .         .         .
12342 238.O        .         .         .         .         .         .         .         .         .         .         .         .
12348 239.O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240.O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB C
PLAN 1, RATIO = .88

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.59	.14	.45	4.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.38	.08	.30	4.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.24	.04	.20	3.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.11	.02	.09	2.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.09	.02	.08	1.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.08	.01	.07	1.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.08	.01	.06	1.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.06	.01	.05	1.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.06	.01	.05	1.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.01	.05	1.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.05	.01	.04	1.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.01	.05	0.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.04	.01	.04	0.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.05	.01	.04	0.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.04	.01	.04	0.

1	0130	16	.01	.01	.00	0.	*
1	0136	17	.01	.01	.00	0.	*
1	0142	18	.01	.01	.00	0.	*
1	0148	19	.01	.01	.00	0.	*
1	0154	20	.01	.01	.00	0.	*
1	0200	21	.01	.01	.00	0.	*
1	0206	22	.01	.01	.00	0.	*
1	0212	23	.01	.01	.00	0.	*
1	0218	24	.01	.01	.00	0.	*
1	0224	25	.01	.01	.00	0.	*
1	0230	26	.01	.01	.00	0.	*
1	0236	27	.01	.01	.00	0.	*
1	0242	28	.01	.01	.00	0.	*
1	0248	29	.01	.01	.00	0.	*
1	0254	30	.01	.01	.00	0.	*
1	0300	31	.01	.01	.00	0.	*
1	0306	32	.01	.01	.00	0.	*
1	0312	33	.01	.01	.00	0.	*
1	0318	34	.01	.01	.00	0.	*
1	0324	35	.01	.01	.00	0.	*
1	0330	36	.01	.01	.00	0.	*
1	0336	37	.01	.01	.00	0.	*
1	0342	38	.01	.01	.00	0.	*
1	0348	39	.01	.01	.00	0.	*
1	0354	40	.01	.01	.00	0.	*
1	0400	41	.01	.01	.00	0.	*
1	0406	42	.01	.01	.00	0.	*
1	0412	43	.01	.01	.00	0.	*
1	0418	44	.01	.01	.00	0.	*
1	0424	45	.01	.01	.00	0.	*
1	0430	46	.01	.01	.00	0.	*
1	0436	47	.01	.01	.00	0.	*
1	0442	48	.01	.01	.00	0.	*
1	0448	49	.01	.01	.00	0.	*
1	0454	50	.01	.01	.00	0.	*
1	0500	51	.01	.01	.00	0.	*
1	0506	52	.01	.01	.00	0.	*
1	0512	53	.01	.01	.00	0.	*
1	0518	54	.01	.01	.00	0.	*
1	0524	55	.01	.01	.00	0.	*
1	0530	56	.01	.01	.00	0.	*
1	0536	57	.01	.01	.00	0.	*
1	0542	58	.01	.01	.00	0.	*
1	0548	59	.01	.01	.00	0.	*
1	0554	60	.01	.01	.00	0.	*
1	0600	61	.01	.01	.00	0.	*
1	0606	62	.01	.01	.00	0.	*
1	0612	63	.01	.01	.00	0.	*
1	0618	64	.01	.01	.00	0.	*
1	0624	65	.01	.01	.00	0.	*
1	0630	66	.01	.01	.00	0.	*
1	0636	67	.01	.01	.00	0.	*
1	0642	68	.01	.01	.00	0.	*
1	0648	69	.01	.01	.00	0.	*
1	0654	70	.01	.01	.00	0.	*
1	0700	71	.01	.01	.00	0.	*
1	0706	72	.01	.01	.00	0.	*
1	0712	73	.01	.01	.00	0.	*
1	0718	74	.01	.01	.00	0.	*
1	0724	75	.01	.01	.00	0.	*
1	0730	76	.02	.02	.00	0.	*
1	0736	77	.02	.02	.00	0.	*
1	0742	78	.02	.02	.00	0.	*
1	0748	79	.02	.02	.00	0.	*
1	0754	80	.02	.02	.00	0.	*
1	0800	81	.02	.02	.00	0.	*
1	0806	82	.02	.02	.00	0.	*
1	0812	83	.02	.02	.00	0.	*
1	0818	84	.02	.02	.00	0.	*
1	0824	85	.02	.02	.00	0.	*
1	0830	86	.02	.02	.00	0.	*
1	0836	87	.03	.02	.01	0.	*
1	0842	88	.02	.02	.00	0.	*
1	0848	89	.02	.02	.00	0.	*
1	0854	90	.03	.02	.01	0.	*
1	0900	91	.03	.02	.01	0.	*
1	0906	92	.02	.02	.01	0.	*
1	0912	93	.03	.02	.01	0.	*
1	0918	94	.03	.02	.01	0.	*
1	0924	95	.03	.02	.01	0.	*
1	0930	96	.03	.02	.01	0.	*
1	0936	97	.03	.02	.01	0.	*
1	0942	98	.03	.02	.01	0.	*
1	0948	99	.03	.02	.01	0.	*
1	0954	100	.03	.02	.01	0.	*
1	1000	101	.03	.02	.01	0.	*
1	1006	102	.04	.02	.01	0.	*
1	1012	103	.03	.02	.01	0.	*
1	1018	104	.04	.03	.02	0.	*
1	1024	105	.03	.02	.01	0.	*
1	1030	106	.04	.02	.02	0.	*
1	1036	107	.04	.02	.02	0.	*
1	1042	108	.04	.02	.02	0.	*
1	1048	109	.05	.03	.02	0.	*
1	1054	110	.05	.03	.02	0.	*
1	1100	111	.06	.03	.03	0.	*
1	1106	112	.06	.03	.03	0.	*
1	1112	113	.06	.03	.03	0.	*
1	1118	114	.07	.03	.04	0.	*
1	1124	115	.08	.04	.04	0.	*
1	1130	116	.08	.03	.04	0.	*
1	1136	117	.10	.04	.06	1.	*
1	1142	118	.11	.05	.07	1.	*
1	1148	119	.24	.09	.15	1.	*
1	1154	120	.37	.13	.24	2.	*
1	1200	121	.59	.17	.42	3.	*

1	1336	137	.03	.01	.03	0.
1	1342	138	.04	.01	.04	0.
1	1348	139	.03	.00	.03	0.
1	1354	140	.03	.00	.03	0.
1	1400	141	.03	.00	.03	0.
1	1406	142	.03	.00	.03	0.
1	1412	143	.03	.00	.03	0.
1	1418	144	.03	.00	.02	0.
1	1424	145	.03	.00	.02	0.
1	1430	146	.03	.00	.03	0.
1	1436	147	.03	.00	.02	0.
1	1442	148	.03	.00	.02	0.
1	1448	149	.02	.00	.02	0.
1	1454	150	.03	.00	.02	0.
1	1500	151	.03	.00	.02	0.
1	1506	152	.03	.00	.02	0.
1	1512	153	.02	.00	.02	0.
1	1518	154	.03	.00	.02	0.
1	1524	155	.02	.00	.02	0.
1	1530	156	.02	.00	.02	0.
1	1536	157	.03	.00	.02	0.
1	1542	158	.02	.00	.02	0.
1	1548	159	.02	.00	.02	0.
1	1554	160	.02	.00	.02	0.
1	1600	161	.02	.00	.02	0.
1	1606	162	.02	.00	.02	0.
1	1612	163	.02	.00	.02	0.
1	1618	164	.02	.00	.02	0.
1	1624	165	.02	.00	.02	0.
1	1630	166	.01	.00	.01	0.
1	1636	167	.02	.00	.02	0.
1	1642	168	.02	.00	.02	0.
1	1648	169	.01	.00	.01	0.
1	1654	170	.01	.00	.01	0.
1	1700	171	.01	.00	.01	0.
1	1706	172	.01	.00	.01	0.
1	1712	173	.01	.00	.01	0.
1	1718	174	.01	.00	.01	0.
1	1724	175	.01	.00	.01	0.
1	1730	176	.01	.00	.01	0.
1	1736	177	.01	.00	.01	0.
1	1742	178	.01	.00	.01	0.
1	1748	179	.01	.00	.01	0.
1	1754	180	.01	.00	.01	0.
1	1800	181	.01	.00	.01	0.
1	1806	182	.01	.00	.01	0.
1	1812	183	.01	.00	.01	0.
1	1818	184	.01	.00	.01	0.
1	1824	185	.01	.00	.01	0.
1	1830	186	.01	.00	.01	0.
1	1836	187	.01	.00	.01	0.
1	1842	188	.01	.00	.01	0.
1	1848	189	.01	.00	.01	0.
1	1854	190	.01	.00	.01	0.
1	1900	191	.01	.00	.01	0.
1	1906	192	.01	.00	.01	0.
1	1912	193	.01	.00	.01	0.
1	1918	194	.01	.00	.01	0.
1	1924	195	.01	.00	.01	0.
1	1930	196	.01	.00	.01	0.
1	1936	197	.01	.00	.01	0.
1	1942	198	.01	.00	.01	0.
1	1948	199	.01	.00	.01	0.
1	1954	200	.01	.00	.01	0.
1	2000	201	.01	.00	.01	0.
1	2006	202	.01	.00	.01	0.
1	2012	203	.01	.00	.01	0.
1	2018	204	.01	.00	.01	0.
1	2024	205	.01	.00	.01	0.
1	2030	206	.01	.00	.01	0.
1	2036	207	.01	.00	.01	0.
1	2042	208	.01	.00	.01	0.
1	2048	209	.01	.00	.01	0.
1	2054	210	.01	.00	.01	0.
1	2100	211	.01	.00	.01	0.
1	2106	212	.01	.00	.01	0.
1	2112	213	.01	.00	.01	0.
1	2118	214	.01	.00	.01	0.
1	2124	215	.01	.00	.01	0.
1	2130	216	.01	.00	.01	0.
1	2136	217	.01	.00	.01	0.
1	2142	218	.01	.00	.01	0.
1	2148	219	.01	.00	.01	0.
1	2154	220	.01	.00	.01	0.
1	2200	221	.01	.00	.01	0.
1	2206	222	.01	.00	.01	0.
1	2212	223	.01	.00	.01	0.
1	2218	224	.01	.00	.01	0.
1	2224	225	.01	.00	.01	0.
1	2230	226	.01	.00	.01	0.
1	2236	227	.01	.00	.01	0.
1	2242	228	.01	.00	.01	0.
1	2248	229	.01	.00	.01	0.
1	2254	230	.01	.00	.01	0.
1	2300	231	.01	.00	.01	0.
1	2306	232	.01	.00	.01	0.
1	2312	233	.01	.00	.01	0.
1	2318	234	.01	.00	.01	0.
1	2324	235	.01	.00	.01	0.
1	2330	236	.01	.00	.01	0.
1	2336	237	.01	.00	.01	0.
1	2342	238	.01	.00	.01	0.
1	2348	239	.00	.00	.00	0.
1	2354	240	.00	.00	.00	0.
2	0000	241	.01	.00	.01	0.

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     TOTAL RAINFALL =     7.00, TOTAL LOSS =     2.63, TOTAL EXCESS =     4.37

   PEAK FLOW       TIME                          MAXIMUM AVERAGE FLOW
                                       6-HR        24-HR        72-HR        24.00-HR
+    (CFS)         (HR)
                               (CFS)
+         4.       12.10                  1.          0.           0.            0.
                             (INCHES)   3.529       4.359        4.359         4.359
                             (AC-FT)      0.          0.           0.            0.

                             CUMULATIVE AREA =      .00 SQ MI

1                                                       STATION    SUB C

                            (O) OUTFLOW
           .0        .5       1.0       1.5       2.0       2.5       3.0       3.5       4.0       4.5        .0        .0        .0
                                                                                                       (L) PRECIP,  (X) EXCESS
           .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
 DAHRMN PER
  10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
  10006   20         .         .         .         .         .         .         .         .         .         .         .         .
  10012   30         .         .         .         .         .         .         .         .         .         .         .         .
  10018   40         .         .         .         .         .         .         .         .         .         .         .         .
  10024   50         .         .         .         .         .         .         .         .         .         .         .         .
  10030   60         .         .         .         .         .         .         .         .         .         .         .         .
  10036   70         .         .         .         .         .         .         .         .         .         .         .         .
  10042   80         .         .         .         .         .         .         .         .         .         .         .         .
  10048   90         .         .         .         .         .         .         .         .         .         .         .         .
  10054  100         .         .         .         .         .         .         .         .         .         .         .         .
  10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10106  120         .         .         .         .         .         .         .         .         .         .         .         .
  10112  130         .         .         .         .         .         .         .         .         .         .         .         .
  10118  140         .         .         .         .         .         .         .         .         .         .         .         .
  10124  150         .         .         .         .         .         .         .         .         .         .         .         .
  10130  160         .         .         .         .         .         .         .         .         .         .         .         .
  10136  170         .         .         .         .         .         .         .         .         .         .         .         .
  10142  180         .         .         .         .         .         .         .         .         .         .         .         .
  10148  190         .         .         .         .         .         .         .         .         .         .         .         .
  10154  200         .         .         .         .         .         .         .         .         .         .         .         .
  10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10206  220         .         .         .         .         .         .         .         .         .         .         .         .
  10212  230         .         .         .         .         .         .         .         .         .         .         .         .
  10218  240         .         .         .         .         .         .         .         .         .         .         .         .
  10224  250         .         .         .         .         .         .         .         .         .         .         .         .
  10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
  10236  270         .         .         .         .         .         .         .         .         .         .         .         .
  10242  280         .         .         .         .         .         .         .         .         .         .         .         .
  10248  290         .         .         .         .         .         .         .         .         .         .         .         .
  10254  300         .         .         .         .         .         .         .         .         .         .         .         .
  10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10306  320         .         .         .         .         .         .         .         .         .         .         .         .
  10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
  10318  340         .         .         .         .         .         .         .         .         .         .         .         .
  10324  350         .         .         .         .         .         .         .         .         .         .         .         .
  10330  360         .         .         .         .         .         .         .         .         .         .         .         .
  10336  370         .         .         .         .         .         .         .         .         .         .         .         .
  10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
  10348  390         .         .         .         .         .         .         .         .         .         .         .         .
  10354  400         .         .         .         .         .         .         .         .         .         .         .         .
  10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
  10412  430         .         .         .         .         .         .         .         .         .         .         .         .
  10418  440         .         .         .         .         .         .         .         .         .         .         .         .
  10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
  10430  460         .         .         .         .         .         .         .         .         .         .         .         .
  10436  470         .         .         .         .         .         .         .         .         .         .         .         .
  10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
  10448  490         .         .         .         .         .         .         .         .         .         .         .         .
  10454  500         .         .         .         .         .         .         .         .         .         .         .         .
  10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
  10506  520         .         .         .         .         .         .         .         .         .         .         .         .
  10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
  10518  540         .         .         .         .         .         .         .         .         .         .         .         .
  10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
  10530  560         .         .         .         .         .         .         .         .         .         .         .         .
  10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
  10542  580         .         .         .         .         .         .         .         .         .         .         .         .
  10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
  10554  600         .         .         .         .         .         .         .         .         .         .         .         .
  10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
  10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
  10612  630         .         .         .         .         .         .         .         .         .         .         .         .
  10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
  10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
  10630  660         .         .         .         .         .         .         .         .         .         .         .         .
  10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
  10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
  10648  690         .         .         .         .         .         .         .         .         .         .         .         .
  10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
  10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
  10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
  10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
  10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
  10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
  10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
  10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
  10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
  10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
  10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
  10800  81.0. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
  10806  82.0        .         .         .         .         .         .         .         .         .         .         .        L.
  10812  83.0        .         .         .         .         .         .         .         .         .         .         .        L.
  10818  84.0        .         .         .         .         .         .         .         .         .         .         .        L.
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10824  85.O        .         .         .         .         .         .         .         .         .         .         .        L.
10830  86.O        .         .         .         .         .         .         .         .         .         .         .        L.
10836  87.O        .         .         .         .         .         .         .         .         .         .         .        L.
10842  88.O        .         .         .         .         .         .         .         .         .         .         .        L.
10848  89.O        .         .         .         .         .         .         .         .         .         .         .        L.
10854  90.O        .         .         .         .         .         .         .         .         .         .         .        L.
10900  91.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  92.O        .         .         .         .         .         .         .         .         .         .         .        L.
10912  93.O        .         .         .         .         .         .         .         .         .         .         .        L.
10918  94. O       .         .         .         .         .         .         .         .         .         .         .        L.
10924  95. O       .         .         .         .         .         .         .         .         .         .         .        L.
10930  96. O       .         .         .         .         .         .         .         .         .         .         .        L.
10936  97. O       .         .         .         .         .         .         .         .         .         .         .        L.
10942  98. O       .         .         .         .         .         .         .         .         .         .         .       LX.
10948  99. O       .         .         .         .         .         .         .         .         .         .         .        L.
10954 100. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11000 101. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11012 103.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11018 104.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11024 105.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11030 106.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11036 107.   O     .         .         .         .         .         .         .         .         .         .         .       LX.
11042 108.   O     .         .         .         .         .         .         .         .         .         .         .       LX.
11048 109.   O     .         .         .         .         .         .         .         .         .         .         .       LX.
11054 110.    O    .         .         .         .         .         .         .         .         .         .         .       LX.
11100 111. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.     O   .         .         .         .         .         .         .         .         .         .         .      LLX.
11112 113.     O   .         .         .         .         .         .         .         .         .         .         .      LLX.
11118 114.      O  .         .         .         .         .         .         .         .         .         .         .      LXX.
11124 115.       O .         .         .         .         .         .         .         .         .         .         .     LLXX.
11130 116.        O.         .         .         .         .         .         .         .         .         .         .     LLXX.
11136 117.         O         .         .         .         .         .         .         .         .         .         .    LLXXX.
11142 118.         .  O      .         .         .         .         .         .         .         .         .         .   LLLXXX.
11148 119.         .         . O       .         .         .         .         .         .         .         .       LLLLXXXXXXXX.
11154 120.         .         .         .        O.         .         .         .         .         .LLLLLLLXXXXXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . O . . . . . . . . . . . .LLLLLLLLXXXXXXXXXXXXXXXXXXXXX.
11206 122.         .         .         .         .         .         .         .         .      O  .LLLLLLXXXXXXXXXXXXXXXXXXXXXXX.
11212 123.         .         .         .         .         .         .         .         .O        .LLLLXXXXXXXXXXXXXXX.
11218 124.         .         .         .         .         .         .O        .         .         .       LLXXXXXXXXXXX.
11224 125.         .         .         .        O.         .         .         .         .         .         .   LXXXXX.
11230 126.         .         .   O     .         .         .         .         .         .         .         .    LXXXX.
11236 127.         .       O .         .         .         .         .         .         .         .         .     XXXX.
11242 128.         .     O   .         .         .         .         .         .         .         .         .     LXXX.
11248 129.         .  O      .         .         .         .         .         .         .         .         .      XXX.
11254 130.         . O       .         .         .         .         .         .         .         .         .      XXX.
11300 131. . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.         O         .         .         .         .         .         .         .         .         .         .       XX.
11312 133.         O         .         .         .         .         .         .         .         .         .         .      LXX.
11318 134.        O.         .         .         .         .         .         .         .         .         .         .       XX.
11324 135.        O.         .         .         .         .         .         .         .         .         .         .       XX.
11330 136.        O.         .         .         .         .         .         .         .         .         .         .       XX.
11336 137.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11342 138.      O  .         .         .         .         .         .         .         .         .         .         .       XX.
11348 139.      O  .         .         .         .         .         .         .         .         .         .         .       XX.
11354 140.      O  .         .         .         .         .         .         .         .         .         .         .       XX.
11400 141. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11406 142.      O  .         .         .         .         .         .         .         .         .         .         .       XX.
11412 143.      O  .         .         .         .         .         .         .         .         .         .         .       XX.
11418 144.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11424 145.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11430 146.     O   .         .         .         .         .         .         .         .         .         .         .       XX.
11436 147.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11442 148.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11448 149.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11500 151. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11512 153.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11654 170.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11700 171. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O       .         .         .         .         .         .         .         .         .         .         .        X.
11712 173.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11718 174.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11724 175.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11730 176. O       .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O       .         .         .         .         .         .         .         .         .         .         .        X.
11742 178.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11748 179. O       .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O       .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182. O       .         .         .         .         .         .         .         .         .         .         .         .
11812 183. O       .         .         .         .         .         .         .         .         .         .         .        X.
11818 184. O       .         .         .         .         .         .         .         .         .         .         .         .
11824 185. O       .         .         .         .         .         .         .         .         .         .         .        X.
11830 186. O       .         .         .         .         .         .         .         .         .         .         .         .
11836 187. O       .         .         .         .         .         .         .         .         .         .         .        X.
11842 188. O       .         .         .         .         .         .         .         .         .         .         .         .
11848 189. O       .         .         .         .         .         .         .         .         .         .         .        X.
11854 190. O       .         .         .         .         .         .         .         .         .         .         .         .
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11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192. O
11912 193. O
11918 194. O                                                                         X.
11924 195. O
11930 196. O                                                                         X.
11936 197. O
11942 198. O
11948 199. O                                                                         X.
11954 200. O
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O
12012 203. O                                                                         X.
12018 204. O
12024 205. O
12030 206.O
12036 207. O                                                                         X.
12042 208. O
12048 209. O
12054 210.O
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O                                                                         X.
12112 213. O
12118 214. O
12124 215.O
12130 216.O
12136 217.O
12142 218.O
12148 219.O
12154 220.O
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O
12212 223. O
12218 224.O
12224 225.O
12230 226.O
12236 227.O
12242 228.O
12248 229.O
12254 230.O
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O
12312 233.O
12318 234.O
12324 235.O
12330 236.O
12336 237.O
12342 238.O
12348 239.O
12354 240.O
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB C
PLAN 1, RATIO = 1.00

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DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.	*	1	1206	122	.67	.13	.54	5.
1	0006	2	.01	.01	.00	0.	*	1	1212	123	.43	.07	.36	5.
1	0012	3	.01	.01	.00	0.	*	1	1218	124	.28	.04	.24	4.
1	0018	4	.01	.01	.00	0.	*	1	1224	125	.13	.02	.11	2.
1	0024	5	.01	.01	.00	0.	*	1	1230	126	.10	.01	.09	1.
1	0030	6	.01	.01	.00	0.	*	1	1236	127	.10	.01	.08	1.
1	0036	7	.01	.01	.00	0.	*	1	1242	128	.09	.01	.08	1.
1	0042	8	.01	.01	.00	0.	*	1	1248	129	.07	.01	.06	1.
1	0048	9	.01	.01	.00	0.	*	1	1254	130	.07	.01	.06	1.
1	0054	10	.01	.01	.00	0.	*	1	1300	131	.06	.01	.06	1.
1	0100	11	.01	.01	.00	0.	*	1	1306	132	.06	.01	.05	1.
1	0106	12	.01	.01	.00	0.	*	1	1312	133	.06	.01	.06	1.
1	0112	13	.01	.01	.00	0.	*	1	1318	134	.05	.01	.04	1.
1	0118	14	.01	.01	.00	0.	*	1	1324	135	.06	.01	.05	1.
1	0124	15	.01	.01	.00	0.	*	1	1330	136	.05	.01	.04	1.
1	0130	16	.01	.01	.00	0.	*	1	1336	137	.04	.00	.04	0.
1	0136	17	.01	.01	.00	0.	*	1	1342	138	.05	.01	.04	0.
1	0142	18	.01	.01	.00	0.	*	1	1348	139	.04	.00	.04	0.
1	0148	19	.01	.01	.00	0.	*	1	1354	140	.04	.00	.04	0.
1	0154	20	.01	.01	.00	0.	*	1	1400	141	.04	.00	.04	0.
1	0200	21	.01	.01	.00	0.	*	1	1406	142	.04	.00	.04	0.
1	0206	22	.01	.01	.00	0.	*	1	1412	143	.04	.00	.04	0.
1	0212	23	.01	.01	.00	0.	*	1	1418	144	.03	.00	.03	0.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.03	.00	.03	0.
1	0224	25	.01	.01	.00	0.	*	1	1430	146	.04	.00	.04	0.
1	0230	26	.02	.02	.00	0.	*	1	1436	147	.03	.00	.03	0.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.03	.00	.03	0.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.00	.02	0.
1	0248	29	.01	.01	.00	0.	*	1	1454	150	.03	.00	.03	0.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.03	.00	.03	0.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.03	.00	.03	0.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.00	.02	0.
1	0312	33	.02	.02	.00	0.	*	1	1518	154	.03	.00	.03	0.
1	0318	34	.01	.01	.00	0.	*	1	1524	155	.02	.00	.02	0.
1	0324	35	.01	.01	.00	0.	*	1	1530	156	.02	.00	.02	0.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.03	.00	.03	0.
1	0336	37	.01	.01	.00	0.	*	1	1542	158	.02	.00	.02	0.
1	0342	38	.02	.02	.00	0.	*	1	1548	159	.02	.00	.02	0.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.02	0.
1	0354	40	.01	.01	.00	0.	*	1	1600	161	.02	.00	.02	0.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.02	0.
1	0406	42	.02	.02	.00	0.	*	1	1612	163	.02	.00	.02	0.
1	0412	43	.01	.01	.00	0.	*	1	1618	164	.02	.00	.02	0.
1	0418	44	.01	.01	.00	0.	*	1	1624	165	.02	.00	.02	0.

1	0424	45	.02	.02	.00	0.	*	1	1630	166	.02	.00	.01	0.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.02	0.
1	0436	47	.01	.01	.00	0.	*	1	1642	168	.02	.00	.02	0.
1	0442	48	.02	.02	.00	0.	*	1	1648	169	.02	.00	.01	0.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.02	.00	.01	0.
1	0454	50	.01	.01	.00	0.	*	1	1700	171	.01	.00	.01	0.
1	0500	51	.02	.02	.00	0.	*	1	1706	172	.02	.00	.01	0.
1	0506	52	.01	.01	.00	0.	*	1	1712	173	.02	.00	.01	0.
1	0512	53	.02	.02	.00	0.	*	1	1718	174	.02	.00	.01	0.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.02	.00	.01	0.
1	0524	55	.02	.02	.00	0.	*	1	1730	176	.01	.00	.01	0.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.02	.00	.01	0.
1	0536	57	.02	.02	.00	0.	*	1	1742	178	.02	.00	.01	0.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	0.
1	0548	59	.02	.02	.00	0.	*	1	1754	180	.02	.00	.01	0.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.02	.00	.01	0.
1	0600	61	.02	.02	.00	0.	*	1	1806	182	.01	.00	.01	0.
1	0606	62	.02	.02	.00	0.	*	1	1812	183	.02	.00	.01	0.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	0.
1	0618	64	.02	.02	.00	0.	*	1	1824	185	.02	.00	.01	0.
1	0624	65	.02	.02	.00	0.	*	1	1830	186	.01	.00	.01	0.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.02	.00	.01	0.
1	0636	67	.02	.02	.00	0.	*	1	1842	188	.01	.00	.01	0.
1	0642	68	.02	.02	.00	0.	*	1	1848	189	.02	.00	.01	0.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	0.
1	0654	70	.02	.02	.00	0.	*	1	1900	191	.02	.00	.01	0.
1	0700	71	.02	.01	.00	0.	*	1	1906	192	.01	.00	.01	0.
1	0706	72	.02	.01	.00	0.	*	1	1912	193	.01	.00	.01	0.
1	0712	73	.02	.01	.00	0.	*	1	1918	194	.02	.00	.01	0.
1	0718	74	.02	.01	.00	0.	*	1	1924	195	.01	.00	.01	0.
1	0724	75	.02	.01	.00	0.	*	1	1930	196	.02	.00	.01	0.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	0.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	0.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.02	.00	.01	0.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	0.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	0.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	0.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.02	.00	.01	0.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	0.
1	0818	84	.02	.02	.01	0.	*	1	2024	205	.01	.00	.01	0.
1	0824	85	.02	.02	.01	0.	*	1	2030	206	.01	.00	.01	0.
1	0830	86	.02	.02	.01	0.	*	1	2036	207	.02	.00	.01	0.
1	0836	87	.03	.02	.01	0.	*	1	2042	208	.01	.00	.01	0.
1	0842	88	.02	.02	.01	0.	*	1	2048	209	.01	.00	.01	0.
1	0848	89	.02	.02	.01	0.	*	1	2054	210	.01	.00	.01	0.
1	0854	90	.03	.02	.01	0.	*	1	2100	211	.01	.00	.01	0.
1	0900	91	.03	.02	.01	0.	*	1	2106	212	.02	.00	.01	0.
1	0906	92	.02	.02	.01	0.	*	1	2112	213	.01	.00	.01	0.
1	0912	93	.03	.02	.01	0.	*	1	2118	214	.01	.00	.01	0.
1	0918	94	.03	.02	.01	0.	*	1	2124	215	.01	.00	.01	0.
1	0924	95	.03	.02	.01	0.	*	1	2130	216	.01	.00	.01	0.
1	0930	96	.03	.02	.01	0.	*	1	2136	217	.01	.00	.01	0.
1	0936	97	.03	.02	.01	0.	*	1	2142	218	.01	.00	.01	0.
1	0942	98	.04	.03	.01	0.	*	1	2148	219	.01	.00	.01	0.
1	0948	99	.03	.02	.01	0.	*	1	2154	220	.01	.00	.01	0.
1	0954	100	.04	.02	.02	0.	*	1	2200	221	.02	.00	.01	0.
1	1000	101	.03	.02	.01	0.	*	1	2206	222	.01	.00	.01	0.
1	1006	102	.04	.02	.02	0.	*	1	2212	223	.01	.00	.01	0.
1	1012	103	.04	.02	.02	0.	*	1	2218	224	.01	.00	.01	0.
1	1018	104	.05	.03	.02	0.	*	1	2224	225	.01	.00	.01	0.
1	1024	105	.04	.02	.02	0.	*	1	2230	226	.01	.00	.01	0.
1	1030	106	.05	.03	.02	0.	*	1	2236	227	.01	.00	.01	0.
1	1036	107	.05	.02	.02	0.	*	1	2242	228	.01	.00	.01	0.
1	1042	108	.05	.02	.02	0.	*	1	2248	229	.01	.00	.01	0.
1	1048	109	.06	.03	.03	0.	*	1	2254	230	.01	.00	.01	0.
1	1054	110	.06	.03	.03	0.	*	1	2300	231	.01	.00	.01	0.
1	1100	111	.06	.03	.03	0.	*	1	2306	232	.01	.00	.01	0.
1	1106	112	.06	.03	.03	0.	*	1	2312	233	.01	.00	.01	0.
1	1112	113	.06	.03	.04	0.	*	1	2318	234	.01	.00	.01	0.
1	1118	114	.08	.03	.05	0.	*	1	2324	235	.01	.00	.01	0.
1	1124	115	.09	.04	.05	1.	*	1	2330	236	.01	.00	.01	0.
1	1130	116	.09	.04	.05	1.	*	1	2336	237	.01	.00	.01	0.
1	1136	117	.11	.04	.07	1.	*	1	2342	238	.01	.00	.01	0.
1	1142	118	.13	.05	.08	1.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.28	.09	.19	1.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.42	.12	.30	2.	*	2	0000	241	.01	.00	.01	0.
1	1200	121	.67	.16	.51	4.	*							

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     TOTAL RAINFALL =     8.00, TOTAL LOSS =    2.73, TOTAL EXCESS =    5.27

   PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                         6-HR       24-HR       72-HR      24.00-HR
 +    (CFS)       (HR)
                               (CFS)
 +       5.       12.10                   1.          0.          0.           0.
                             (INCHES)   4.240       5.267       5.267        5.267
                              (AC-FT)     0.          0.          0.           0.

                             CUMULATIVE AREA =       .00 SQ MI

1                                                    STATION    SUB C

                           (O) OUTFLOW
         0.        1.        2.        3.        4.        5.        6.        0.        0.        0.        0.        0.        0.
                                                                                               (L) PRECIP,    (X) EXCESS
         .0        .0        .0        .0        .0        .0        .0        .0        .8        .6        .4        .2        .0
 DAHRMN PER
  10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
  10006   20         .         .         .         .         .         .         .         .         .         .         .         .
  10012   30         .         .         .         .         .         .         .         .         .         .         .         .
  10018   40         .         .         .         .         .         .         .         .         .         .         .         .
  10024   50         .         .         .         .         .         .         .         .         .         .         .         .
  10030   60         .         .         .         .         .         .         .         .         .         .         .         .
  10036   70         .         .         .         .         .         .         .         .         .         .         .         .
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10042    80          .         .         .         .         .         .         .         .         .         .         .          .
10048    90          .         .         .         .         .         .         .         .         .         .         .          .
10054   100          .         .         .         .         .         .         .         .         .         .         .          .
10100   110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106   120          .         .         .         .         .         .         .         .         .         .         .          .
10112   130          .         .         .         .         .         .         .         .         .         .         .          .
10118   140          .         .         .         .         .         .         .         .         .         .         .          .
10124   150          .         .         .         .         .         .         .         .         .         .         .          .
10130   160          .         .         .         .         .         .         .         .         .         .         .          .
10136   170          .         .         .         .         .         .         .         .         .         .         .          .
10142   180          .         .         .         .         .         .         .         .         .         .         .          .
10148   190          .         .         .         .         .         .         .         .         .         .         .          .
10154   200          .         .         .         .         .         .         .         .         .         .         .          .
10200   210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206   220          .         .         .         .         .         .         .         .         .         .         .          .
10212   230          .         .         .         .         .         .         .         .         .         .         .          .
10218   240          .         .         .         .         .         .         .         .         .         .         .          .
10224   250          .         .         .         .         .         .         .         .         .         .         .          .
10230   260          .         .         .         .         .         .         .         .         .         .         .         L.
10236   270          .         .         .         .         .         .         .         .         .         .         .          .
10242   280          .         .         .         .         .         .         .         .         .         .         .          .
10248   290          .         .         .         .         .         .         .         .         .         .         .          .
10254   300          .         .         .         .         .         .         .         .         .         .         .          .
10300   310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306   320          .         .         .         .         .         .         .         .         .         .         .          .
10312   330          .         .         .         .         .         .         .         .         .         .         .         L.
10318   340          .         .         .         .         .         .         .         .         .         .         .          .
10324   350          .         .         .         .         .         .         .         .         .         .         .          .
10330   360          .         .         .         .         .         .         .         .         .         .         .          .
10336   370          .         .         .         .         .         .         .         .         .         .         .          .
10342   380          .         .         .         .         .         .         .         .         .         .         .         L.
10348   390          .         .         .         .         .         .         .         .         .         .         .          .
10354   400          .         .         .         .         .         .         .         .         .         .         .          .
10400   410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406   420          .         .         .         .         .         .         .         .         .         .         .         L.
10412   430          .         .         .         .         .         .         .         .         .         .         .          .
10418   440          .         .         .         .         .         .         .         .         .         .         .          .
10424   450          .         .         .         .         .         .         .         .         .         .         .         L.
10430   460          .         .         .         .         .         .         .         .         .         .         .          .
10436   470          .         .         .         .         .         .         .         .         .         .         .          .
10442   480          .         .         .         .         .         .         .         .         .         .         .         L.
10448   490          .         .         .         .         .         .         .         .         .         .         .          .
10454   500          .         .         .         .         .         .         .         .         .         .         .          .
10500   510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506   520          .         .         .         .         .         .         .         .         .         .         .          .
10512   530          .         .         .         .         .         .         .         .         .         .         .         L.
10518   540          .         .         .         .         .         .         .         .         .         .         .          .
10524   550          .         .         .         .         .         .         .         .         .         .         .         L.
10530   560          .         .         .         .         .         .         .         .         .         .         .          .
10536   570          .         .         .         .         .         .         .         .         .         .         .         L.
10542   580          .         .         .         .         .         .         .         .         .         .         .          .
10548   590          .         .         .         .         .         .         .         .         .         .         .         L.
10554   600          .         .         .         .         .         .         .         .         .         .         .          .
10600   610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606   620          .         .         .         .         .         .         .         .         .         .         .         L.
10612   630          .         .         .         .         .         .         .         .         .         .         .          .
10618   640          .         .         .         .         .         .         .         .         .         .         .         L.
10624   650          .         .         .         .         .         .         .         .         .         .         .         L.
10630   660          .         .         .         .         .         .         .         .         .         .         .          .
10636   670          .         .         .         .         .         .         .         .         .         .         .         L.
10642   680          .         .         .         .         .         .         .         .         .         .         .         L.
10648   690          .         .         .         .         .         .         .         .         .         .         .          .
10654   700          .         .         .         .         .         .         .         .         .         .         .         L.
10700   710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706   720          .         .         .         .         .         .         .         .         .         .         .         L.
10712   730          .         .         .         .         .         .         .         .         .         .         .         L.
10718   740          .         .         .         .         .         .         .         .         .         .         .         L.
10724   750          .         .         .         .         .         .         .         .         .         .         .         L.
10730   760          .         .         .         .         .         .         .         .         .         .         .         L.
10736   770          .         .         .         .         .         .         .         .         .         .         .         L.
10742   780          .         .         .         .         .         .         .         .         .         .         .         L.
10748   790          .         .         .         .         .         .         .         .         .         .         .         L.
10754   800          .         .         .         .         .         .         .         .         .         .         .         L.
10800   810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806   820          .         .         .         .         .         .         .         .         .         .         .         L.
10812   83.O         .         .         .         .         .         .         .         .         .         .         .         L.
10818   84.O         .         .         .         .         .         .         .         .         .         .         .         L.
10824   85.O         .         .         .         .         .         .         .         .         .         .         .         L.
10830   86.O         .         .         .         .         .         .         .         .         .         .         .         L.
10836   87.O         .         .         .         .         .         .         .         .         .         .         .        LL.
10842   88.O         .         .         .         .         .         .         .         .         .         .         .         L.
10848   89.O         .         .         .         .         .         .         .         .         .         .         .         L.
10854   90.O         .         .         .         .         .         .         .         .         .         .         .        LL.
10900   91.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LL.
10906   92.O         .         .         .         .         .         .         .         .         .         .         .         L.
10912   93.O         .         .         .         .         .         .         .         .         .         .         .        LX.
10918   94.O         .         .         .         .         .         .         .         .         .         .         .        LX.
10924   95.O         .         .         .         .         .         .         .         .         .         .         .        LX.
10930   96.O         .         .         .         .         .         .         .         .         .         .         .        LX.
10936   97.O         .         .         .         .         .         .         .         .         .         .         .        LX.
10942   98.O         .         .         .         .         .         .         .         .         .         .         .        LX.
10948   99.O         .         .         .         .         .         .         .         .         .         .         .        LX.
10954  100. O        .         .         .         .         .         .         .         .         .         .         .        LX.
11000  101. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LX.
11006  102. O        .         .         .         .         .         .         .         .         .         .         .        LX.
11012  103. O        .         .         .         .         .         .         .         .         .         .         .        LX.
11018  104. O        .         .         .         .         .         .         .         .         .         .         .        LX.
11024  105. O        .         .         .         .         .         .         .         .         .         .         .        LX.
11030  106. O        .         .         .         .         .         .         .         .         .         .         .        LX.
11036  107. O        .         .         .         .         .         .         .         .         .         .         .        LX.
11042  108.   O      .         .         .         .         .         .         .         .         .         .         .        LX.
11048  109.   O      .         .         .         .         .         .         .         .         .         .         .       LLX.
11054  110.   O      .         .         .         .         .         .         .         .         .         .         .       LLX.
11100  111.  .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11106  112.    O     .         .         .         .         .         .         .         .         .         .         .       LXX.
11112  113.    O     .         .         .         .         .         .         .         .         .         .         .       LXX.
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11118 114.   O     .         .         .         .         .         .         .         .         .         .         .     LLXX.
11124 115.    O    .         .         .         .         .         .         .         .         .         .         .     LXXX.
11130 116.     O   .         .         .         .         .         .         .         .         .         .         .     LXXX.
11136 117.      O  .         .         .         .         .         .         .         .         .         .         .   LLLXXX.
11142 118.       O .         .         .         .         .         .         .         .         .         .         .   LLXXXX.
11148 119.         .   O     .         .         .         .         .         .         .         .         .    LLLLLXXXXXXXXXX.
11154 120.         .         .   O     .         .         .         .         .         .         .       LLLLLLXXXXXXXXXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . LLLLLLLLLXXXXXXXXXXXXXXXXXXXXXXXXXX.
11206 122.         .         .         .         .         .         . O       .         .         .    LLLLLLLXXXXXXXXXXXXXXXXXXXXXXXXXXXX.
11212 123.         .         .         .         .        O.         .         .         .         .      LLLLXXXXXXXXXXXXXXXXXXX.
11218 124.         .         .         .     O   .         .         .         .         .         .         .    LLXXXXXXXXXXXXX.
11224 125.         .         .  O      .         .         .         .         .         .         .         .         .   LXXXXX.
11230 126.         .   O     .         .         .         .         .         .         .         .         .         .    LXXXX.
11236 127.         .O        .         .         .         .         .         .         .         .         .         .    LXXXX.
11242 128.        O.         .         .         .         .         .         .         .         .         .         .     XXXX.
11248 129.       O .         .         .         .         .         .         .         .         .         .         .     LXXX.
11254 130.      O  .         .         .         .         .         .         .         .         .         .         .     LXXX.
11300 131. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .XXX.
11306 132.     O   .         .         .         .         .         .         .         .         .         .         .      LXX.
11312 133.     O   .         .         .         .         .         .         .         .         .         .         .      XXX.
11318 134.    O    .         .         .         .         .         .         .         .         .         .         .       XX.
11324 135.    O    .         .         .         .         .         .         .         .         .         .         .      LXX.
11330 136.    O    .         .         .         .         .         .         .         .         .         .         .       XX.
11336 137.   O     .         .         .         .         .         .         .         .         .         .         .       XX.
11342 138.   O     .         .         .         .         .         .         .         .         .         .         .       XX.
11348 139.   O     .         .         .         .         .         .         .         .         .         .         .       XX.
11354 140.   O     .         .         .         .         .         .         .         .         .         .         .       XX.
11400 141. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11406 142.   O     .         .         .         .         .         .         .         .         .         .         .       XX.
11412 143.   O     .         .         .         .         .         .         .         .         .         .         .       XX.
11418 144.   O     .         .         .         .         .         .         .         .         .         .         .       LX.
11424 145.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11430 146.   O     .         .         .         .         .         .         .         .         .         .         .       XX.
11436 147.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11442 148.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11448 149.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11500 151. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11506 152.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11512 153.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11524 155.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11530 156. O       .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11542 158.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11548 159. O       .         .         .         .         .         .         .         .         .         .         .        X.
11554 160. O       .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162. O       .         .         .         .         .         .         .         .         .         .         .        X.
11612 163. O       .         .         .         .         .         .         .         .         .         .         .        X.
11618 164. O       .         .         .         .         .         .         .         .         .         .         .        X.
11624 165. O       .         .         .         .         .         .         .         .         .         .         .        X.
11630 166. O       .         .         .         .         .         .         .         .         .         .         .        X.
11636 167. O       .         .         .         .         .         .         .         .         .         .         .        X.
11642 168. O       .         .         .         .         .         .         .         .         .         .         .        X.
11648 169. O       .         .         .         .         .         .         .         .         .         .         .        X.
11654 170. O       .         .         .         .         .         .         .         .         .         .         .        X.
11700 171.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.O        .         .         .         .         .         .         .         .         .         .         .        X.
11712 173.O        .         .         .         .         .         .         .         .         .         .         .        X.
11718 174. O       .         .         .         .         .         .         .         .         .         .         .        X.
11724 175. O       .         .         .         .         .         .         .         .         .         .         .        X.
11730 176.O        .         .         .         .         .         .         .         .         .         .         .         .
11736 177.O        .         .         .         .         .         .         .         .         .         .         .        X.
11742 178.O        .         .         .         .         .         .         .         .         .         .         .        X.
11748 179.O        .         .         .         .         .         .         .         .         .         .         .         .
11754 180.O        .         .         .         .         .         .         .         .         .         .         .        X.
11800 181.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.O        .         .         .         .         .         .         .         .         .         .         .         .
11812 183.O        .         .         .         .         .         .         .         .         .         .         .        X.
11818 184.O        .         .         .         .         .         .         .         .         .         .         .         .
11824 185.O        .         .         .         .         .         .         .         .         .         .         .        X.
11830 186.O        .         .         .         .         .         .         .         .         .         .         .         .
11836 187.O        .         .         .         .         .         .         .         .         .         .         .        X.
11842 188.O        .         .         .         .         .         .         .         .         .         .         .         .
11848 189.O        .         .         .         .         .         .         .         .         .         .         .        X.
11854 190.O        .         .         .         .         .         .         .         .         .         .         .         .
11900 191.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.O        .         .         .         .         .         .         .         .         .         .         .         .
11912 193.O        .         .         .         .         .         .         .         .         .         .         .         .
11918 194.O        .         .         .         .         .         .         .         .         .         .         .        X.
11924 195.O        .         .         .         .         .         .         .         .         .         .         .         .
11930 196.O        .         .         .         .         .         .         .         .         .         .         .        X.
11936 197.O        .         .         .         .         .         .         .         .         .         .         .         .
11942 198.O        .         .         .         .         .         .         .         .         .         .         .         .
11948 199.O        .         .         .         .         .         .         .         .         .         .         .        X.
11954 200.O        .         .         .         .         .         .         .         .         .         .         .         .
12000 201.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O        .         .         .         .         .         .         .         .         .         .         .         .
12012 203.O        .         .         .         .         .         .         .         .         .         .         .        X.
12018 204.O        .         .         .         .         .         .         .         .         .         .         .         .
12024 205.O        .         .         .         .         .         .         .         .         .         .         .         .
12030 206.O        .         .         .         .         .         .         .         .         .         .         .         .
12036 207.O        .         .         .         .         .         .         .         .         .         .         .        X.
12042 208.O        .         .         .         .         .         .         .         .         .         .         .         .
12048 209.O        .         .         .         .         .         .         .         .         .         .         .         .
12054 210.O        .         .         .         .         .         .         .         .         .         .         .         .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.O        .         .         .         .         .         .         .         .         .         .         .        X.
12112 213.O        .         .         .         .         .         .         .         .         .         .         .         .
12118 214.O        .         .         .         .         .         .         .         .         .         .         .         .
12124 215.O        .         .         .         .         .         .         .         .         .         .         .         .
12130 216.O        .         .         .         .         .         .         .         .         .         .         .         .
12136 217.O        .         .         .         .         .         .         .         .         .         .         .         .
12142 218.O        .         .         .         .         .         .         .         .         .         .         .         .
12148 219.O        .         .         .         .         .         .         .         .         .         .         .         .
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12154 220.0          .         .         .         .         .         .         .         .         .         .         .         .
12200 221.0. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222.0          .         .         .         .         .         .         .         .         .         .         .         .
12212 223.0          .         .         .         .         .         .         .         .         .         .         .         .
12218 224.0          .         .         .         .         .         .         .         .         .         .         .         .
12224 225.0          .         .         .         .         .         .         .         .         .         .         .         .
12230 226.0          .         .         .         .         .         .         .         .         .         .         .         .
12236 227.0          .         .         .         .         .         .         .         .         .         .         .         .
12242 228.0          .         .         .         .         .         .         .         .         .         .         .         .
12248 229.0          .         .         .         .         .         .         .         .         .         .         .         .
12254 230.0          .         .         .         .         .         .         .         .         .         .         .         .
12300 231.0. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.0          .         .         .         .         .         .         .         .         .         .         .         .
12312 233.0          .         .         .         .         .         .         .         .         .         .         .         .
12318 234.0          .         .         .         .         .         .         .         .         .         .         .         .
12324 235.0          .         .         .         .         .         .         .         .         .         .         .         .
12330 236.0          .         .         .         .         .         .         .         .         .         .         .         .
12336 237.0          .         .         .         .         .         .         .         .         .         .         .         .
12342 238.0          .         .         .         .         .         .         .         .         .         .         .         .
12348 239.0          .         .         .         .         .         .         .         .         .         .         .         .
12354 2400           .         .         .         .         .         .         .         .         .         .         .         .
20000 241.0---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1

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          *            *
 96 KK    *   SUB D    *          SUBAREA D WATERSHED AREA
          *            *
          **************

 98 KO         OUTPUT CONTROL VARIABLES
                     IPRNT          2  PRINT CONTROL
                     IPLOT          2  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE

             SUBBASIN RUNOFF DATA

 99 BA          SUBBASIN CHARACTERISTICS
                     TAREA        .01  SUBBASIN AREA

                PRECIPITATION DATA

 50 PB               STORM       8.00  BASIN TOTAL PRECIPITATION

 52 PI            INCREMENTAL PRECIPITATION PATTERN
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .01       .00       .01       .00       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .01       .02       .03       .05       .08
                     .08       .05       .03       .02       .01       .01       .01       .01       .01       .01
                     .01       .01       .01       .01       .01       .00       .01       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                     .00       .00       .00       .00       .00       .00       .00       .00       .00       .00

100 LS          SCS LOSS RATE
                     STRTL        .82  INITIAL ABSTRACTION
                    CRVNBR      71.00  CURVE NUMBER
                     RTIMP        .00  PERCENT IMPERVIOUS AREA

101 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .16  LAG

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                                                    UNIT HYDROGRAPH
                                              10 END-OF-PERIOD ORDINATES
              6.        15.        11.         5.         2.         1.         0.         0.         0.         0.

*************************************************************************************************************************

                                              HYDROGRAPH AT STATION     SUB D

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                                                          *
   DA MON HRMN  ORD     RAIN    LOSS  EXCESS     COMP Q   *     DA MON HRMN  ORD     RAIN    LOSS  EXCESS     COMP Q
                                                          *
    1     0000    1      .00     .00     .00        0.    *      1     1206  122      .67     .19     .48        13.
    1     0006    2      .01     .01     .00        0.    *      1     1212  123      .43     .11     .32        15.
    1     0012    3      .01     .01     .00        0.    *      1     1218  124      .28     .06     .22        14.
    1     0018    4      .01     .01     .00        0.    *      1     1224  125      .13     .03     .10        11.
    1     0024    5      .01     .01     .00        0.    *      1     1230  126      .10     .02     .08         8.
    1     0030    6      .01     .01     .00        0.    *      1     1236  127      .10     .02     .08         5.
    1     0036    7      .01     .01     .00        0.    *      1     1242  128      .09     .02     .07         4.
    1     0042    8      .01     .01     .00        0.    *      1     1248  129      .07     .01     .06         3.
    1     0048    9      .01     .01     .00        0.    *      1     1254  130      .07     .01     .06         3.
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1	0054	10	.01	.01	.00	0.	*	1	1300	131	.06	.01	.05	3.
1	0100	11	.01	.01	.00	0.	*	1	1306	132	.06	.01	.05	2.
1	0106	12	.01	.01	.00	0.	*	1	1312	133	.06	.01	.05	2.
1	0112	13	.01	.01	.00	0.	*	1	1318	134	.05	.01	.04	2.
1	0118	14	.01	.01	.00	0.	*	1	1324	135	.06	.01	.05	2.
1	0124	15	.01	.01	.00	0.	*	1	1330	136	.05	.01	.04	2.
1	0130	16	.01	.01	.00	0.	*	1	1336	137	.04	.01	.03	2.
1	0136	17	.01	.01	.00	0.	*	1	1342	138	.05	.01	.04	2.
1	0142	18	.01	.01	.00	0.	*	1	1348	139	.04	.01	.03	2.
1	0148	19	.01	.01	.00	0.	*	1	1354	140	.04	.01	.03	1.
1	0154	20	.01	.01	.00	0.	*	1	1400	141	.04	.01	.03	1.
1	0200	21	.01	.01	.00	0.	*	1	1406	142	.04	.01	.03	1.
1	0206	22	.01	.01	.00	0.	*	1	1412	143	.04	.01	.03	1.
1	0212	23	.01	.01	.00	0.	*	1	1418	144	.03	.01	.03	1.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.03	.01	.03	1.
1	0224	25	.01	.01	.00	0.	*	1	1430	146	.04	.01	.03	1.
1	0230	26	.02	.02	.00	0.	*	1	1436	147	.03	.01	.03	1.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.03	.01	.03	1.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.00	.02	1.
1	0248	29	.01	.01	.00	0.	*	1	1454	150	.03	.01	.03	1.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.03	.01	.03	1.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.03	.01	.03	1.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.00	.02	1.
1	0312	33	.02	.02	.00	0.	*	1	1518	154	.03	.01	.03	1.
1	0318	34	.01	.01	.00	0.	*	1	1524	155	.02	.00	.02	1.
1	0324	35	.01	.01	.00	0.	*	1	1530	156	.02	.00	.02	1.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.03	.01	.03	1.
1	0336	37	.01	.01	.00	0.	*	1	1542	158	.02	.00	.02	1.
1	0342	38	.02	.02	.00	0.	*	1	1548	159	.02	.00	.02	1.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.02	1.
1	0354	40	.01	.01	.00	0.	*	1	1600	161	.02	.00	.02	1.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.02	1.
1	0406	42	.02	.02	.00	0.	*	1	1612	163	.02	.00	.02	1.
1	0412	43	.01	.01	.00	0.	*	1	1618	164	.02	.00	.02	1.
1	0418	44	.01	.01	.00	0.	*	1	1624	165	.02	.00	.02	1.
1	0424	45	.02	.02	.00	0.	*	1	1630	166	.02	.00	.01	1.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.02	1.
1	0436	47	.01	.01	.00	0.	*	1	1642	168	.02	.00	.02	1.
1	0442	48	.02	.02	.00	0.	*	1	1648	169	.02	.00	.01	1.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.02	.00	.01	1.
1	0454	50	.01	.01	.00	0.	*	1	1700	171	.01	.00	.01	1.
1	0500	51	.02	.02	.00	0.	*	1	1706	172	.02	.00	.01	0.
1	0506	52	.01	.01	.00	0.	*	1	1712	173	.02	.00	.01	0.
1	0512	53	.02	.02	.00	0.	*	1	1718	174	.02	.00	.01	1.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.02	.00	.01	1.
1	0524	55	.02	.02	.00	0.	*	1	1730	176	.01	.00	.01	1.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.02	.00	.01	0.
1	0536	57	.02	.02	.00	0.	*	1	1742	178	.02	.00	.01	0.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	0.
1	0548	59	.02	.02	.00	0.	*	1	1754	180	.02	.00	.01	0.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.02	.00	.01	0.
1	0600	61	.02	.02	.00	0.	*	1	1806	182	.01	.00	.01	0.
1	0606	62	.02	.02	.00	0.	*	1	1812	183	.02	.00	.01	0.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	0.
1	0618	64	.02	.02	.00	0.	*	1	1824	185	.02	.00	.01	0.
1	0624	65	.02	.02	.00	0.	*	1	1830	186	.01	.00	.01	0.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.02	.00	.01	0.
1	0636	67	.02	.02	.00	0.	*	1	1842	188	.01	.00	.01	0.
1	0642	68	.02	.02	.00	0.	*	1	1848	189	.02	.00	.01	0.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	0.
1	0654	70	.02	.02	.00	0.	*	1	1900	191	.02	.00	.01	0.
1	0700	71	.02	.02	.00	0.	*	1	1906	192	.01	.00	.01	0.
1	0706	72	.02	.02	.00	0.	*	1	1912	193	.01	.00	.01	0.
1	0712	73	.02	.02	.00	0.	*	1	1918	194	.02	.00	.01	0.
1	0718	74	.02	.02	.00	0.	*	1	1924	195	.01	.00	.01	0.
1	0724	75	.02	.02	.00	0.	*	1	1930	196	.02	.00	.01	0.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	0.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	0.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.02	.00	.01	0.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	0.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	0.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	0.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.02	.00	.01	0.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	0.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	0.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	0.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.02	.00	.01	0.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	0.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	0.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	0.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	0.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.02	.00	.01	0.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	0.
1	0912	93	.03	.03	.01	0.	*	1	2118	214	.01	.00	.01	0.
1	0918	94	.03	.03	.01	0.	*	1	2124	215	.01	.00	.01	0.
1	0924	95	.03	.03	.01	0.	*	1	2130	216	.01	.00	.01	0.
1	0930	96	.03	.03	.01	0.	*	1	2136	217	.01	.00	.01	0.
1	0936	97	.03	.03	.01	0.	*	1	2142	218	.01	.00	.01	0.
1	0942	98	.04	.03	.01	0.	*	1	2148	219	.01	.00	.01	0.
1	0948	99	.03	.02	.01	0.	*	1	2154	220	.01	.00	.01	0.
1	0954	100	.04	.03	.01	0.	*	1	2200	221	.02	.00	.01	0.
1	1000	101	.03	.02	.01	0.	*	1	2206	222	.01	.00	.01	0.
1	1006	102	.04	.03	.01	0.	*	1	2212	223	.01	.00	.01	0.
1	1012	103	.04	.03	.01	0.	*	1	2218	224	.01	.00	.01	0.
1	1018	104	.05	.03	.01	0.	*	1	2224	225	.01	.00	.01	0.
1	1024	105	.04	.03	.01	1.	*	1	2230	226	.01	.00	.01	0.
1	1030	106	.05	.03	.02	1.	*	1	2236	227	.01	.00	.01	0.
1	1036	107	.05	.03	.02	1.	*	1	2242	228	.01	.00	.01	0.
1	1042	108	.05	.03	.02	1.	*	1	2248	229	.01	.00	.01	0.
1	1048	109	.06	.04	.02	1.	*	1	2254	230	.01	.00	.01	0.
1	1054	110	.06	.03	.02	1.	*	1	2300	231	.01	.00	.01	0.
1	1100	111	.06	.04	.03	1.	*	1	2306	232	.01	.00	.01	0.
1	1106	112	.06	.04	.03	1.	*	1	2312	233	.01	.00	.01	0.
1	1112	113	.06	.04	.03	1.	*	1	2318	234	.01	.00	.01	0.
1	1118	114	.08	.05	.03	1.	*	1	2324	235	.01	.00	.01	0.
1	1124	115	.09	.05	.04	1.	*	1	2330	236	.01	.00	.01	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1130	116	.09	.05	.04	1.
1		1136	117	.11	.06	.05	2.
1		1142	118	.13	.06	.07	2.
1		1148	119	.28	.13	.15	3.
1		1154	120	.42	.17	.25	5.
1		1200	121	.67	.23	.44	9.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		2336	237	.01	.00	.01	0.
1		2342	238	.01	.00	.01	0.
1		2348	239	.00	.00	.00	0.
1		2354	240	.00	.00	.00	0.
2		0000	241	.01	.00	.01	0.

TOTAL RAINFALL = 8.00, TOTAL LOSS = 3.42, TOTAL EXCESS = 4.58

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 15.	12.20		3.	1.	1.	1.
		(INCHES)	3.729	4.567	4.567	4.567
		(AC-FT)	1.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

HYDROGRAPH AT STATION SUB D
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.00	.00	.00	0.
1		0012	3	.00	.00	.00	0.
1		0018	4	.00	.00	.00	0.
1		0024	5	.00	.00	.00	0.
1		0030	6	.00	.00	.00	0.
1		0036	7	.00	.00	.00	0.
1		0042	8	.00	.00	.00	0.
1		0048	9	.00	.00	.00	0.
1		0054	10	.00	.00	.00	0.
1		0100	11	.00	.00	.00	0.
1		0106	12	.00	.00	.00	0.
1		0112	13	.00	.00	.00	0.
1		0118	14	.00	.00	.00	0.
1		0124	15	.00	.00	.00	0.
1		0130	16	.00	.00	.00	0.
1		0136	17	.00	.00	.00	0.
1		0142	18	.00	.00	.00	0.
1		0148	19	.00	.00	.00	0.
1		0154	20	.00	.00	.00	0.
1		0200	21	.00	.00	.00	0.
1		0206	22	.00	.00	.00	0.
1		0212	23	.00	.00	.00	0.
1		0218	24	.00	.00	.00	0.
1		0224	25	.00	.00	.00	0.
1		0230	26	.01	.01	.00	0.
1		0236	27	.00	.00	.00	0.
1		0242	28	.00	.00	.00	0.
1		0248	29	.00	.00	.00	0.
1		0254	30	.00	.00	.00	0.
1		0300	31	.00	.00	.00	0.
1		0306	32	.00	.00	.00	0.
1		0312	33	.01	.01	.00	0.
1		0318	34	.00	.00	.00	0.
1		0324	35	.00	.00	.00	0.
1		0330	36	.00	.00	.00	0.
1		0336	37	.00	.00	.00	0.
1		0342	38	.01	.01	.00	0.
1		0348	39	.00	.00	.00	0.
1		0354	40	.00	.00	.00	0.
1		0400	41	.00	.00	.00	0.
1		0406	42	.01	.01	.00	0.
1		0412	43	.00	.00	.00	0.
1		0418	44	.00	.00	.00	0.
1		0424	45	.01	.01	.00	0.
1		0430	46	.00	.00	.00	0.
1		0436	47	.00	.00	.00	0.
1		0442	48	.01	.01	.00	0.
1		0448	49	.00	.00	.00	0.
1		0454	50	.00	.00	.00	0.
1		0500	51	.01	.01	.00	0.
1		0506	52	.00	.00	.00	0.
1		0512	53	.01	.01	.00	0.
1		0518	54	.00	.00	.00	0.
1		0524	55	.01	.01	.00	0.
1		0530	56	.00	.00	.00	0.
1		0536	57	.01	.01	.00	0.
1		0542	58	.00	.00	.00	0.
1		0548	59	.01	.01	.00	0.
1		0554	60	.00	.00	.00	0.
1		0600	61	.01	.01	.00	0.
1		0606	62	.01	.01	.00	0.
1		0612	63	.00	.00	.00	0.
1		0618	64	.01	.01	.00	0.
1		0624	65	.01	.01	.00	0.
1		0630	66	.00	.00	.00	0.
1		0636	67	.01	.01	.00	0.
1		0642	68	.01	.01	.00	0.
1		0648	69	.00	.00	.00	0.
1		0654	70	.01	.01	.00	0.
1		0700	71	.01	.01	.00	0.
1		0706	72	.01	.01	.00	0.
1		0712	73	.01	.01	.00	0.
1		0718	74	.01	.01	.00	0.
1		0724	75	.01	.01	.00	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1206	122	.36	.19	.17	4.
1		1212	123	.23	.11	.12	5.
1		1218	124	.15	.07	.08	5.
1		1224	125	.07	.03	.04	4.
1		1230	126	.06	.02	.03	3.
1		1236	127	.05	.02	.03	2.
1		1242	128	.05	.02	.03	2.
1		1248	129	.04	.02	.02	1.
1		1254	130	.04	.02	.02	1.
1		1300	131	.03	.01	.02	1.
1		1306	132	.03	.01	.02	1.
1		1312	133	.03	.01	.02	1.
1		1318	134	.03	.01	.02	1.
1		1324	135	.03	.01	.02	1.
1		1330	136	.03	.01	.02	1.
1		1336	137	.02	.01	.01	1.
1		1342	138	.03	.01	.02	1.
1		1348	139	.02	.01	.01	1.
1		1354	140	.02	.01	.01	1.
1		1400	141	.02	.01	.01	1.
1		1406	142	.02	.01	.01	1.
1		1412	143	.02	.01	.01	1.
1		1418	144	.02	.01	.01	1.
1		1424	145	.02	.01	.01	1.
1		1430	146	.02	.01	.01	0.
1		1436	147	.02	.01	.01	1.
1		1442	148	.02	.01	.01	0.
1		1448	149	.01	.00	.01	0.
1		1454	150	.02	.01	.01	0.
1		1500	151	.02	.01	.01	0.
1		1506	152	.02	.01	.01	0.
1		1512	153	.01	.00	.01	0.
1		1518	154	.02	.01	.01	0.
1		1524	155	.01	.00	.01	0.
1		1530	156	.01	.00	.01	0.
1		1536	157	.02	.01	.01	0.
1		1542	158	.01	.00	.01	0.
1		1548	159	.01	.00	.01	0.
1		1554	160	.01	.00	.01	0.
1		1600	161	.01	.00	.01	0.
1		1606	162	.01	.00	.01	0.
1		1612	163	.01	.00	.01	0.
1		1618	164	.01	.00	.01	0.
1		1624	165	.01	.00	.01	0.
1		1630	166	.01	.00	.01	0.
1		1636	167	.01	.00	.01	0.
1		1642	168	.01	.00	.01	0.
1		1648	169	.01	.00	.01	0.
1		1654	170	.01	.00	.01	0.
1		1700	171	.00	.00	.00	0.
1		1706	172	.01	.00	.01	0.
1		1712	173	.01	.00	.01	0.
1		1718	174	.01	.00	.01	0.
1		1724	175	.01	.00	.01	0.
1		1730	176	.00	.00	.00	0.
1		1736	177	.01	.00	.01	0.
1		1742	178	.01	.00	.01	0.
1		1748	179	.00	.00	.00	0.
1		1754	180	.01	.00	.01	0.
1		1800	181	.01	.00	.01	0.
1		1806	182	.00	.00	.00	0.
1		1812	183	.01	.00	.01	0.
1		1818	184	.00	.00	.00	0.
1		1824	185	.01	.00	.01	0.
1		1830	186	.00	.00	.00	0.
1		1836	187	.01	.00	.01	0.
1		1842	188	.00	.00	.00	0.
1		1848	189	.01	.00	.01	0.
1		1854	190	.00	.00	.00	0.
1		1900	191	.01	.00	.01	0.
1		1906	192	.00	.00	.00	0.
1		1912	193	.00	.00	.00	0.
1		1918	194	.01	.00	.01	0.
1		1924	195	.00	.00	.00	0.
1		1930	196	.01	.00	.01	0.

1	0730	76	.01	.01	.00	0.	1	1936	197	.00	.00	.00	0.
1	0736	77	.01	.01	.00	0.	1	1942	198	.00	.00	.00	0.
1	0742	78	.01	.01	.00	0.	1	1948	199	.01	.00	.01	0.
1	0748	79	.01	.01	.00	0.	1	1954	200	.00	.00	.00	0.
1	0754	80	.01	.01	.00	0.	1	2000	201	.00	.00	.00	0.
1	0800	81	.01	.01	.00	0.	1	2006	202	.00	.00	.00	0.
1	0806	82	.01	.01	.00	0.	1	2012	203	.01	.00	.01	0.
1	0812	83	.01	.01	.00	0.	1	2018	204	.00	.00	.00	0.
1	0818	84	.01	.01	.00	0.	1	2024	205	.00	.00	.00	0.
1	0824	85	.01	.01	.00	0.	1	2030	206	.00	.00	.00	0.
1	0830	86	.01	.01	.00	0.	1	2036	207	.01	.00	.01	0.
1	0836	87	.02	.02	.00	0.	1	2042	208	.00	.00	.00	0.
1	0842	88	.01	.01	.00	0.	1	2048	209	.00	.00	.00	0.
1	0848	89	.01	.01	.00	0.	1	2054	210	.00	.00	.00	0.
1	0854	90	.02	.02	.00	0.	1	2100	211	.00	.00	.00	0.
1	0900	91	.02	.02	.00	0.	1	2106	212	.01	.00	.01	0.
1	0906	92	.01	.01	.00	0.	1	2112	213	.00	.00	.00	0.
1	0912	93	.02	.02	.00	0.	1	2118	214	.00	.00	.00	0.
1	0918	94	.02	.02	.00	0.	1	2124	215	.00	.00	.00	0.
1	0924	95	.02	.02	.00	0.	1	2130	216	.00	.00	.00	0.
1	0930	96	.02	.02	.00	0.	1	2136	217	.00	.00	.00	0.
1	0936	97	.02	.02	.00	0.	1	2142	218	.00	.00	.00	0.
1	0942	98	.02	.02	.00	0.	1	2148	219	.00	.00	.00	0.
1	0948	99	.02	.02	.00	0.	1	2154	220	.00	.00	.00	0.
1	0954	100	.02	.02	.00	0.	1	2200	221	.01	.00	.01	0.
1	1000	101	.02	.02	.00	0.	1	2206	222	.00	.00	.00	0.
1	1006	102	.02	.02	.00	0.	1	2212	223	.00	.00	.00	0.
1	1012	103	.02	.02	.00	0.	1	2218	224	.00	.00	.00	0.
1	1018	104	.03	.03	.00	0.	1	2224	225	.00	.00	.00	0.
1	1024	105	.02	.02	.00	0.	1	2230	226	.00	.00	.00	0.
1	1030	106	.03	.02	.00	0.	1	2236	227	.00	.00	.00	0.
1	1036	107	.03	.02	.00	0.	1	2242	228	.00	.00	.00	0.
1	1042	108	.03	.02	.00	0.	1	2248	229	.00	.00	.00	0.
1	1048	109	.03	.03	.00	0.	1	2254	230	.00	.00	.00	0.
1	1054	110	.03	.03	.00	0.	1	2300	231	.00	.00	.00	0.
1	1100	111	.03	.03	.00	0.	1	2306	232	.00	.00	.00	0.
1	1106	112	.03	.03	.00	0.	1	2312	233	.00	.00	.00	0.
1	1112	113	.03	.03	.00	0.	1	2318	234	.00	.00	.00	0.
1	1118	114	.04	.04	.01	0.	1	2324	235	.00	.00	.00	0.
1	1124	115	.05	.04	.01	0.	1	2330	236	.00	.00	.00	0.
1	1130	116	.05	.04	.01	0.	1	2336	237	.00	.00	.00	0.
1	1136	117	.06	.05	.01	0.	1	2342	238	.00	.00	.00	0.
1	1142	118	.07	.05	.02	0.	1	2348	239	.00	.00	.00	0.
1	1148	119	.15	.11	.04	1.	1	2354	240	.00	.00	.00	0.
1	1154	120	.23	.16	.07	1.	2	0000	241	.00	.00	.00	0.
1	1200	121	.36	.22	.14	2.							

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TOTAL RAINFALL =   4.30, TOTAL LOSS =   2.70, TOTAL EXCESS =   1.60

 PEAK FLOW     TIME                         MAXIMUM AVERAGE FLOW
                                  6-HR       24-HR       72-HR       24.00-HR
+  (CFS)       (HR)
                        (CFS)
+     5.       12.20                 1.          0.          0.          0.
                        (INCHES)  1.324       1.598       1.598       1.598
                        (AC-FT)      0.          1.          1.          1.

                        CUMULATIVE AREA =      .01 SQ MI
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1                                                   STATION     SUB D

                           (O) OUTFLOW
         0.        1.        2.        3.        4.        5.        6.        0.        0.        0.        0.        0.        0.
                                                                                                   (L) PRECIP,  (X) EXCESS
         .0        .0        .0        .0        .0        .0        .0        .0        .4        .3        .2        .1        .0
DAHRMN PER
10000    1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
10006    2O         .         .         .         .         .         .         .         .         .         .         .         .
10012    3O         .         .         .         .         .         .         .         .         .         .         .         .
10018    4O         .         .         .         .         .         .         .         .         .         .         .         .
10024    5O         .         .         .         .         .         .         .         .         .         .         .         .
10030    6O         .         .         .         .         .         .         .         .         .         .         .         .
10036    7O         .         .         .         .         .         .         .         .         .         .         .         .
10042    8O         .         .         .         .         .         .         .         .         .         .         .         .
10048    9O         .         .         .         .         .         .         .         .         .         .         .         .
10054   10O         .         .         .         .         .         .         .         .         .         .         .         .
10100   11O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106   12O         .         .         .         .         .         .         .         .         .         .         .         .
10112   13O         .         .         .         .         .         .         .         .         .         .         .         .
10118   14O         .         .         .         .         .         .         .         .         .         .         .         .
10124   15O         .         .         .         .         .         .         .         .         .         .         .         .
10130   16O         .         .         .         .         .         .         .         .         .         .         .         .
10136   17O         .         .         .         .         .         .         .         .         .         .         .         .
10142   18O         .         .         .         .         .         .         .         .         .         .         .         .
10148   19O         .         .         .         .         .         .         .         .         .         .         .         .
10154   20O         .         .         .         .         .         .         .         .         .         .         .         .
10200   21O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206   22O         .         .         .         .         .         .         .         .         .         .         .         .
10212   23O         .         .         .         .         .         .         .         .         .         .         .         .
10218   24O         .         .         .         .         .         .         .         .         .         .         .         .
10224   25O         .         .         .         .         .         .         .         .         .         .         .         .
10230   26O         .         .         .         .         .         .         .         .         .         .         .        L.
10236   27O         .         .         .         .         .         .         .         .         .         .         .         .
10242   28O         .         .         .         .         .         .         .         .         .         .         .         .
10248   29O         .         .         .         .         .         .         .         .         .         .         .         .
10254   30O         .         .         .         .         .         .         .         .         .         .         .         .
10300   31O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306   32O         .         .         .         .         .         .         .         .         .         .         .         .
10312   33O         .         .         .         .         .         .         .         .         .         .         .        L.
10318   34O         .         .         .         .         .         .         .         .         .         .         .         .
10324   35O         .         .         .         .         .         .         .         .         .         .         .         .
10330   36O         .         .         .         .         .         .         .         .         .         .         .         .
10336   37O         .         .         .         .         .         .         .         .         .         .         .         .
10342   38O         .         .         .         .         .         .         .         .         .         .         .        L.
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10348  390                                                                                                          .
10354  400                                                                                                          .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420                                                                                                         L.
10412  430                                                                                                          .
10418  440                                                                                                          .
10424  450                                                                                                         L.
10430  460                                                                                                          .
10436  470                                                                                                          .
10442  480                                                                                                         L.
10448  490                                                                                                          .
10454  500                                                                                                          .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520                                                                                                          .
10512  530                                                                                                         L.
10518  540                                                                                                          .
10524  550                                                                                                         L.
10530  560                                                                                                          .
10536  570                                                                                                         L.
10542  580                                                                                                          .
10548  590                                                                                                         L.
10554  600                                                                                                          .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620                                                                                                         L.
10612  630                                                                                                          .
10618  640                                                                                                         L.
10624  650                                                                                                         L.
10630  660                                                                                                          .
10636  670                                                                                                         L.
10642  680                                                                                                         L.
10648  690                                                                                                          .
10654  700                                                                                                         L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720                                                                                                         L.
10712  730                                                                                                         L.
10718  740                                                                                                         L.
10724  750                                                                                                         L.
10730  760                                                                                                         L.
10736  770                                                                                                         L.
10742  780                                                                                                         L.
10748  790                                                                                                         L.
10754  800                                                                                                         L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820                                                                                                         L.
10812  830                                                                                                         L.
10818  840                                                                                                         L.
10824  850                                                                                                         L.
10830  860                                                                                                         L.
10836  870                                                                                                        LL.
10842  880                                                                                                         L.
10848  890                                                                                                         L.
10854  900                                                                                                        LL.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  920                                                                                                         L.
10912  930                                                                                                        LL.
10918  940                                                                                                        LL.
10924  950                                                                                                        LL.
10930  960                                                                                                        LL.
10936  970                                                                                                        LL.
10942  980                                                                                                        LL.
10948  990                                                                                                        LL.
10954 1000                                                                                                        LL.
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 1020                                                                                                        LL.
11012 1030                                                                                                        LL.
11018 1040                                                                                                       LLL.
11024 1050                                                                                                        LL.
11030 1060                                                                                                       LLL.
11036 1070                                                                                                       LLL.
11042 108.O                                                                                                      LLL.
11048 109.O                                                                                                      LLL.
11054 110.O                                                                                                      LLL.
11100 111.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLL.
11106 112.O                                                                                                      LLL.
11112 113. O                                                                                                     LLL.
11118 114. O                                                                                                    LLLX.
11124 115. O                                                                                                   LLLLX.
11130 116.  O                                                                                                  LLLLX.
11136 117.  O                                                                                                 LLLLLX.
11142 118.   O                                                                                               LLLLLXX.
11148 119.      O                                                                                      LLLLLLLLLLLXXXX.
11154 120.          O                                                                         LLLLLLLLLLLLLLLLLXXXXXXX.
11200 121. . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . LLLLLLLLLLLLLLLLLLLLLLXXXXXXXXXXXXXXX.
11206 122.                             .O                                          LLLLLLLLLLLLLLLLLLLLLXXXXXXXXXXXXXXXXX.
11212 123.                                          . O                                       LLLLLLLLLLLLXXXXXXXXXXXXX.
11218 124.                                         O                                                LLLLLLLXXXXXXXXX.
11224 125.                             O                                                                   . LLLXXXX.
11230 126.                   O .                                                                            LLLXXX.
11236 127.              O                                                                                    LLXXX.
11242 128.          O                                                                                        LLXXX.
11248 129.        O                                                                                           LLXX.
11254 130.      .O                                                                                            LLXX.
11300 131. . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.     O.                                                                                              LXX.
11312 133.    O .                                                                                              LXX.
11318 134.    O .                                                                                              LXX.
11324 135.    O .                                                                                              LXX.
11330 136.   O                                                                                                 LXX.
11336 137.   O                                                                                                  LX.
11342 138.  O                                                                                                  LXX.
11348 139.  O                                                                                                   LX.
11354 140.  O                                                                                                   LX.
11400 141. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.  O                                                                                                   LX.
11412 143.  O                                                                                                   LX.
11418 144. O                                                                                                    LX.
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11424 145.     O    .    .    .    .    .    .    .    .    .    .    .    .   LX.
11430 146.     O    .    .    .    .    .    .    .    .    .    .    .    .   LX.
11436 147.     O    .    .    .    .    .    .    .    .    .    .    .    .   LX.
11442 148.     O    .    .    .    .    .    .    .    .    .    .    .    .   LX.
11448 149.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11454 150.    O     .    .    .    .    .    .    .    .    .    .    .    .   LX.
11500 151. .  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11506 152.    O     .    .    .    .    .    .    .    .    .    .    .    .   LX.
11512 153.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11518 154.    O     .    .    .    .    .    .    .    .    .    .    .    .   LX.
11524 155.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11530 156.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11536 157.    O     .    .    .    .    .    .    .    .    .    .    .    .   LX.
11542 158.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11548 159.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11554 160.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11600 161. .  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11612 163.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11618 164.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11624 165.    O     .    .    .    .    .    .    .    .    .    .    .    .    X.
11630 166.   O      .    .    .    .    .    .    .    .    .    .    .    .    X.
11636 167.   O      .    .    .    .    .    .    .    .    .    .    .    .    X.
11642 168.   O      .    .    .    .    .    .    .    .    .    .    .    .    X.
11648 169.   O      .    .    .    .    .    .    .    .    .    .    .    .    X.
11654 170.   O      .    .    .    .    .    .    .    .    .    .    .    .    X.
11700 171. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11712 173. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11718 174. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11724 175. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11730 176. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11736 177. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11742 178. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11748 179. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11754 180. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11800 181. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11812 183. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11818 184. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11824 185. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11830 186. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11836 187. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11842 188. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11848 189. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11854 190. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11912 193. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11918 194. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11924 195. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11930 196. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11936 197. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11942 198. O        .    .    .    .    .    .    .    .    .    .    .    .     .
11948 199. O        .    .    .    .    .    .    .    .    .    .    .    .    X.
11954 200. O        .    .    .    .    .    .    .    .    .    .    .    .     .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12012 203.O         .    .    .    .    .    .    .    .    .    .    .    .    X.
12018 204. O        .    .    .    .    .    .    .    .    .    .    .    .     .
12024 205. O        .    .    .    .    .    .    .    .    .    .    .    .     .
12030 206.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12036 207.O         .    .    .    .    .    .    .    .    .    .    .    .    X.
12042 208. O        .    .    .    .    .    .    .    .    .    .    .    .     .
12048 209. O        .    .    .    .    .    .    .    .    .    .    .    .     .
12054 210.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.O         .    .    .    .    .    .    .    .    .    .    .    .    X.
12112 213. O        .    .    .    .    .    .    .    .    .    .    .    .     .
12118 214. O        .    .    .    .    .    .    .    .    .    .    .    .     .
12124 215.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12130 216.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12136 217.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12142 218.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12148 219.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12154 220.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12200 221.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O        .    .    .    .    .    .    .    .    .    .    .    .     .
12212 223. O        .    .    .    .    .    .    .    .    .    .    .    .     .
12218 224.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12224 225.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12230 226.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12236 227.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12242 228.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12248 229.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12254 230.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12312 233.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12318 234.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12324 235.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12330 236.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12336 237.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12342 238.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12348 239.O         .    .    .    .    .    .    .    .    .    .    .    .     .
12354 240.O         .    .    .    .    .    .    .    .    .    .    .    .     .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB D
PLAN 1, RATIO = .63

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.01	.01	.00	0.
1		0012	3	.01	.01	.00	0.
1		0018	4	.00	.00	.00	0.
1		0024	5	.01	.01	.00	0.
1		0030	6	.00	.00	.00	0.
1		0036	7	.01	.01	.00	0.
1		0042	8	.01	.01	.00	0.
1		0048	9	.01	.01	.00	0.
1		0054	10	.00	.00	.00	0.
1		0100	11	.01	.01	.00	0.
1		0106	12	.01	.01	.00	0.
1		0112	13	.01	.01	.00	0.
1		0118	14	.01	.01	.00	0.
1		0124	15	.01	.01	.00	0.
1		0130	16	.00	.00	.00	0.
1		0136	17	.01	.01	.00	0.
1		0142	18	.01	.01	.00	0.
1		0148	19	.00	.00	.00	0.
1		0154	20	.01	.01	.00	0.
1		0200	21	.01	.01	.00	0.
1		0206	22	.01	.01	.00	0.
1		0212	23	.01	.01	.00	0.
1		0218	24	.01	.01	.00	0.
1		0224	25	.01	.01	.00	0.
1		0230	26	.01	.01	.00	0.
1		0236	27	.01	.01	.00	0.
1		0242	28	.01	.01	.00	0.
1		0248	29	.00	.00	.00	0.
1		0254	30	.01	.01	.00	0.
1		0300	31	.01	.01	.00	0.
1		0306	32	.01	.01	.00	0.
1		0312	33	.01	.01	.00	0.
1		0318	34	.00	.00	.00	0.
1		0324	35	.00	.00	.00	0.
1		0330	36	.01	.01	.00	0.
1		0336	37	.00	.00	.00	0.
1		0342	38	.01	.01	.00	0.
1		0348	39	.01	.01	.00	0.
1		0354	40	.00	.00	.00	0.
1		0400	41	.01	.01	.00	0.
1		0406	42	.01	.01	.00	0.
1		0412	43	.00	.00	.00	0.
1		0418	44	.00	.00	.00	0.
1		0424	45	.01	.01	.00	0.
1		0430	46	.01	.01	.00	0.
1		0436	47	.00	.00	.00	0.
1		0442	48	.01	.01	.00	0.
1		0448	49	.01	.01	.00	0.
1		0454	50	.00	.00	.00	0.
1		0500	51	.01	.01	.00	0.
1		0506	52	.00	.00	.00	0.
1		0512	53	.01	.01	.00	0.
1		0518	54	.01	.01	.00	0.
1		0524	55	.01	.01	.00	0.
1		0530	56	.01	.01	.00	0.
1		0536	57	.01	.01	.00	0.
1		0542	58	.01	.01	.00	0.
1		0548	59	.01	.01	.00	0.
1		0554	60	.01	.01	.00	0.
1		0600	61	.01	.01	.00	0.
1		0606	62	.01	.01	.00	0.
1		0612	63	.01	.01	.00	0.
1		0618	64	.01	.01	.00	0.
1		0624	65	.01	.01	.00	0.
1		0630	66	.00	.00	.00	0.
1		0636	67	.01	.01	.00	0.
1		0642	68	.01	.01	.00	0.
1		0648	69	.01	.01	.00	0.
1		0654	70	.01	.01	.00	0.
1		0700	71	.01	.01	.00	0.
1		0706	72	.01	.01	.00	0.
1		0712	73	.01	.01	.00	0.
1		0718	74	.01	.01	.00	0.
1		0724	75	.01	.01	.00	0.
1		0730	76	.01	.01	.00	0.
1		0736	77	.01	.01	.00	0.
1		0742	78	.01	.01	.00	0.
1		0748	79	.01	.01	.00	0.
1		0754	80	.02	.02	.00	0.
1		0800	81	.01	.01	.00	0.
1		0806	82	.01	.01	.00	0.
1		0812	83	.01	.01	.00	0.
1		0818	84	.01	.01	.00	0.
1		0824	85	.02	.02	.00	0.
1		0830	86	.01	.01	.00	0.
1		0836	87	.02	.02	.00	0.
1		0842	88	.01	.01	.00	0.
1		0848	89	.02	.02	.00	0.
1		0854	90	.02	.02	.00	0.
1		0900	91	.02	.02	.00	0.
1		0906	92	.01	.01	.00	0.
1		0912	93	.02	.02	.00	0.
1		0918	94	.02	.02	.00	0.
1		0924	95	.02	.02	.00	0.
1		0930	96	.02	.02	.00	0.
1		0936	97	.02	.02	.00	0.
1		0942	98	.02	.02	.00	0.
1		0948	99	.02	.02	.00	0.
1		0954	100	.02	.02	.00	0.
1		1000	101	.02	.02	.00	0.
1		1006	102	.03	.02	.00	0.
1		1012	103	.02	.02	.00	0.
1		1018	104	.03	.03	.00	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1206	122	.42	.20	.22	6.
1		1212	123	.27	.11	.16	7.
1		1218	124	.17	.07	.11	7.
1		1224	125	.08	.03	.05	5.
1		1230	126	.07	.02	.04	4.
1		1236	127	.06	.02	.04	3.
1		1242	128	.06	.02	.04	2.
1		1248	129	.05	.02	.03	2.
1		1254	130	.04	.02	.03	1.
1		1300	131	.04	.01	.03	1.
1		1306	132	.04	.01	.02	1.
1		1312	133	.04	.01	.03	1.
1		1318	134	.03	.01	.02	1.
1		1324	135	.03	.01	.02	1.
1		1330	136	.03	.01	.02	1.
1		1336	137	.02	.01	.02	1.
1		1342	138	.03	.01	.02	1.
1		1348	139	.02	.01	.02	1.
1		1354	140	.02	.01	.02	1.
1		1400	141	.02	.01	.02	1.
1		1406	142	.02	.01	.02	1.
1		1412	143	.02	.01	.02	1.
1		1418	144	.02	.01	.01	1.
1		1424	145	.02	.01	.01	1.
1		1430	146	.02	.01	.02	1.
1		1436	147	.02	.01	.01	1.
1		1442	148	.02	.01	.01	1.
1		1448	149	.02	.00	.01	1.
1		1454	150	.02	.01	.01	1.
1		1500	151	.02	.01	.01	1.
1		1506	152	.02	.01	.01	1.
1		1512	153	.02	.00	.01	1.
1		1518	154	.02	.01	.01	1.
1		1524	155	.01	.00	.01	1.
1		1530	156	.02	.00	.01	0.
1		1536	157	.02	.01	.01	0.
1		1542	158	.01	.00	.01	0.
1		1548	159	.02	.00	.01	0.
1		1554	160	.02	.00	.01	0.
1		1600	161	.01	.00	.01	0.
1		1606	162	.02	.00	.01	0.
1		1612	163	.02	.00	.01	0.
1		1618	164	.01	.00	.01	0.
1		1624	165	.02	.00	.01	0.
1		1630	166	.01	.00	.01	0.
1		1636	167	.02	.00	.01	0.
1		1642	168	.02	.00	.01	0.
1		1648	169	.01	.00	.01	0.
1		1654	170	.01	.00	.01	0.
1		1700	171	.00	.00	.00	0.
1		1706	172	.01	.00	.01	0.
1		1712	173	.01	.00	.01	0.
1		1718	174	.01	.00	.01	0.
1		1724	175	.01	.00	.01	0.
1		1730	176	.00	.00	.00	0.
1		1736	177	.01	.00	.01	0.
1		1742	178	.01	.00	.01	0.
1		1748	179	.00	.00	.00	0.
1		1754	180	.01	.00	.01	0.
1		1800	181	.01	.00	.01	0.
1		1806	182	.00	.00	.00	0.
1		1812	183	.01	.00	.01	0.
1		1818	184	.01	.00	.00	0.
1		1824	185	.01	.00	.01	0.
1		1830	186	.00	.00	.00	0.
1		1836	187	.01	.00	.01	0.
1		1842	188	.00	.00	.00	0.
1		1848	189	.01	.00	.01	0.
1		1854	190	.00	.00	.00	0.
1		1900	191	.01	.00	.01	0.
1		1906	192	.00	.00	.00	0.
1		1912	193	.00	.00	.00	0.
1		1918	194	.01	.00	.01	0.
1		1924	195	.00	.00	.00	0.
1		1930	196	.01	.00	.01	0.
1		1936	197	.01	.00	.00	0.
1		1942	198	.00	.00	.00	0.
1		1948	199	.01	.00	.01	0.
1		1954	200	.00	.00	.00	0.
1		2000	201	.01	.00	.00	0.
1		2006	202	.00	.00	.00	0.
1		2012	203	.01	.00	.01	0.
1		2018	204	.01	.00	.00	0.
1		2024	205	.00	.00	.00	0.
1		2030	206	.00	.00	.00	0.
1		2036	207	.01	.00	.01	0.
1		2042	208	.01	.00	.00	0.
1		2048	209	.00	.00	.00	0.
1		2054	210	.00	.00	.00	0.
1		2100	211	.00	.00	.00	0.
1		2106	212	.01	.00	.01	0.
1		2112	213	.00	.00	.00	0.
1		2118	214	.00	.00	.00	0.
1		2124	215	.00	.00	.00	0.
1		2130	216	.01	.00	.00	0.
1		2136	217	.00	.00	.00	0.
1		2142	218	.00	.00	.00	0.
1		2148	219	.00	.00	.00	0.
1		2154	220	.00	.00	.00	0.
1		2200	221	.01	.00	.01	0.
1		2206	222	.00	.00	.00	0.
1		2212	223	.00	.00	.00	0.
1		2218	224	.01	.00	.00	0.
1		2224	225	.00	.00	.00	0.

1	1024	105	.02	.02	.00	0.	*	1	2230	226	.00	.00	.00	0.
1	1030	106	.03	.03	.00	0.	*	1	2236	227	.00	.00	.00	0.
1	1036	107	.03	.03	.00	0.	*	1	2242	228	.00	.00	.00	0.
1	1042	108	.03	.03	.00	0.	*	1	2248	229	.01	.00	.00	0.
1	1048	109	.03	.03	.01	0.	*	1	2254	230	.00	.00	.00	0.
1	1054	110	.03	.03	.01	0.	*	1	2300	231	.00	.00	.00	0.
1	1100	111	.04	.03	.01	0.	*	1	2306	232	.00	.00	.00	0.
1	1106	112	.04	.03	.01	0.	*	1	2312	233	.00	.00	.00	0.
1	1112	113	.04	.03	.01	0.	*	1	2318	234	.01	.00	.00	0.
1	1118	114	.05	.04	.01	0.	*	1	2324	235	.00	.00	.00	0.
1	1124	115	.06	.04	.01	0.	*	1	2330	236	.00	.00	.00	0.
1	1130	116	.06	.04	.01	0.	*	1	2336	237	.00	.00	.00	0.
1	1136	117	.07	.05	.02	1.	*	1	2342	238	.01	.00	.00	0.
1	1142	118	.08	.06	.02	1.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.17	.12	.06	1.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.27	.16	.10	2.	*	2	0000	241	.00	.00	.00	0.
1	1200	121	.42	.23	.19	4.	*							

```
TOTAL RAINFALL =   5.00, TOTAL LOSS =   2.88, TOTAL EXCESS =   2.12

  PEAK FLOW     TIME                        MAXIMUM AVERAGE FLOW
                                   6-HR       24-HR       72-HR      24.00-HR
+   (CFS)       (HR)
                          (CFS)
+      7.       12.20                 1.          0.          0.          0.
                        (INCHES)   1.745       2.110       2.110       2.110
                        (AC-FT)       1.          1.          1.          1.

                        CUMULATIVE AREA =    .01 SQ MI

1                                              STATION     SUB D

                            (O) OUTFLOW
          0.        1.        2.        3.        4.        5.        6.        7.        0.        0.        0.        0.        0.
                                                                                                    (L) PRECIP,  (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20
 10012   30
 10018   40
 10024   50
 10030   60
 10036   70
 10042   80
 10048   90
 10054  100
 10100  110
 10106  120
 10112  130
 10118  140
 10124  150
 10130  160
 10136  170
 10142  180
 10148  190
 10154  200
 10200  210
 10206  220
 10212  230
 10218  240
 10224  250
 10230  260                                                                                                                   L.
 10236  270
 10242  280
 10248  290
 10254  300
 10300  310
 10306  320
 10312  330                                                                                                                   L.
 10318  340
 10324  350
 10330  360
 10336  370
 10342  380                                                                                                                   L.
 10348  390
 10354  400
 10400  410
 10406  420                                                                                                                   L.
 10412  430
 10418  440
 10424  450                                                                                                                   L.
 10430  460
 10436  470
 10442  480                                                                                                                   L.
 10448  490
 10454  500
 10500  510                                                                                                                   L.
 10506  520
 10512  530                                                                                                                   L.
 10518  540
 10524  550                                                                                                                   L.
 10530  560
 10536  570
 10542  580
 10548  590
 10554  600
 10600  610
 10606  620                                                                                                                   L.
 10612  630
 10618  640
 10624  650                                                                                                                   L.
 10630  660
 10636  670                                                                                                                   L.
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10642  680         .         .         .         .         .         .         .         .         .         .         .         .
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .         .
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .         .
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .         .
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .        L.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .        L.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .        L.
10918  940         .         .         .         .         .         .         .         .         .         .         .        L.
10924  950         .         .         .         .         .         .         .         .         .         .         .        L.
10930  960         .         .         .         .         .         .         .         .         .         .         .        L.
10936  970         .         .         .         .         .         .         .         .         .         .         .        L.
10942  980         .         .         .         .         .         .         .         .         .         .         .        L.
10948  990         .         .         .         .         .         .         .         .         .         .         .        L.
10954 1000         .         .         .         .         .         .         .         .         .         .         .        L.
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 1020         .         .         .         .         .         .         .         .         .         .         .        L.
11012 103.o        .         .         .         .         .         .         .         .         .         .         .        L.
11018 104.o        .         .         .         .         .         .         .         .         .         .         .        L.
11024 105.o        .         .         .         .         .         .         .         .         .         .         .        L.
11030 106.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11036 107.o        .         .         .         .         .         .         .         .         .         .         .        L.
11042 108.o        .         .         .         .         .         .         .         .         .         .         .        L.
11048 109. o       .         .         .         .         .         .         .         .         .         .         .       LL.
11054 110. o       .         .         .         .         .         .         .         .         .         .         .       LL.
11100 111. o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11106 112.  o      .         .         .         .         .         .         .         .         .         .         .       LL.
11112 113.  o      .         .         .         .         .         .         .         .         .         .         .       LL.
11118 114.  o      .         .         .         .         .         .         .         .         .         .         .       LX.
11124 115.   o     .         .         .         .         .         .         .         .         .         .         .      LLX.
11130 116.    o    .         .         .         .         .         .         .         .         .         .         .      LLX.
11136 117.     o   .         .         .         .         .         .         .         .         .         .         .      LLX.
11142 118.      o  .         .         .         .         .         .         .         .         .         .         .     LLLX.
11148 119.         o         .         .         .         .         .         .         .         .         .         .LLLLLLXXX.
11154 120.         .        o.         .         .         .         .         .         .         .         .      LLLLLLLLXXXXX.
11200 121. . . . . . . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLLLLLLLLLLXXXXXXXXXX.
11206 122.         .         .         .         .         .      o  .         .         .         .         LLLLLLLLLXXXXXXXXXXX.
11212 123.         .         .         .         .         .         .         o         .         .         .     LLLLLLXXXXXXXX.
11218 124.         .         .         .         .         .         .     o   .         .         .         .LLLLXXXXX.
11224 125.         .         .         .         .         . o       .         .         .         .         .     LXXX.
11230 126.         .         .         .      o  .         .         .         .         .         .         .      LXX.
11236 127.         .         .     o   .         .         .         .         .         .         .         .      LXX.
11242 128.         .         o         .         .         .         .         .         .         .         .      LXX.
11248 129.         .      o  .         .         .         .         .         .         .         .         .       LX.
11254 130.         .   o     .         .         .         .         .         .         .         .         .       LX.
11300 131. . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11306 132.         . o       .         .         .         .         .         .         .         .         .       LX.
11312 133.         .o        .         .         .         .         .         .         .         .         .       LX.
11318 134.         o         .         .         .         .         .         .         .         .         .         .       LX.
11324 135.         o         .         .         .         .         .         .         .         .         .         .       LX.
11330 136.        o.         .         .         .         .         .         .         .         .         .         .       LX.
11336 137.        o.         .         .         .         .         .         .         .         .         .         .        X.
11342 138.       o .         .         .         .         .         .         .         .         .         .         .        X.
11348 139.       o .         .         .         .         .         .         .         .         .         .         .        X.
11354 140.      o  .         .         .         .         .         .         .         .         .         .         .        X.
11400 141. . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11406 142.      o  .         .         .         .         .         .         .         .         .         .         .        X.
11412 143.      o  .         .         .         .         .         .         .         .         .         .         .        X.
11418 144.      o  .         .         .         .         .         .         .         .         .         .         .        X.
11424 145.     o   .         .         .         .         .         .         .         .         .         .         .        X.
11430 146.     o   .         .         .         .         .         .         .         .         .         .         .        X.
11436 147.     o   .         .         .         .         .         .         .         .         .         .         .        X.
11442 148.     o   .         .         .         .         .         .         .         .         .         .         .        X.
11448 149.     o   .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.    o    .         .         .         .         .         .         .         .         .         .         .        X.
11500 151. . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.     o   .         .         .         .         .         .         .         .         .         .         .        X.
11512 153.    o    .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.    o    .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.    o    .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.    o    .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.    o    .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.    o    .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.    o    .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.    o    .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.   o     .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.   o     .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.   o     .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.   o     .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.   o     .         .         .         .         .         .         .         .         .         .         .         .
11636 167.   o     .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.   o     .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.   o     .         .         .         .         .         .         .         .         .         .         .         .
11654 170.   o     .         .         .         .         .         .         .         .         .         .         .        L.
11700 171. .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.  o      .         .         .         .         .         .         .         .         .         .         .         .
11712 173.  o      .         .         .         .         .         .         .         .         .         .         .        L.
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11718 174.  O      .         .         .         .         .         .         .         .         .         .         .         .
11724 175.  O      .         .         .         .         .         .         .         .         .         .         .        L.
11730 176.  O      .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O       .         .         .         .         .         .         .         .         .         .         .         .
11742 178.  O      .         .         .         .         .         .         .         .         .         .         .        L.
11748 179.  O      .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O       .         .         .         .         .         .         .         .         .         .         .         .
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11806 182.  O      .         .         .         .         .         .         .         .         .         .         .         .
11812 183. O       .         .         .         .         .         .         .         .         .         .         .         .
11818 184. O       .         .         .         .         .         .         .         .         .         .         .         .
11824 185. O       .         .         .         .         .         .         .         .         .         .         .         .
11830 186. O       .         .         .         .         .         .         .         .         .         .         .         .
11836 187. O       .         .         .         .         .         .         .         .         .         .         .        L.
11842 188. O       .         .         .         .         .         .         .         .         .         .         .         .
11848 189. O       .         .         .         .         .         .         .         .         .         .         .         .
11854 190. O       .         .         .         .         .         .         .         .         .         .         .         .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11906 192. O       .         .         .         .         .         .         .         .         .         .         .         .
11912 193. O       .         .         .         .         .         .         .         .         .         .         .         .
11918 194. O       .         .         .         .         .         .         .         .         .         .         .        L.
11924 195. O       .         .         .         .         .         .         .         .         .         .         .         .
11930 196. O       .         .         .         .         .         .         .         .         .         .         .         .
11936 197. O       .         .         .         .         .         .         .         .         .         .         .         .
11942 198. O       .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O       .         .         .         .         .         .         .         .         .         .         .         .
11954 200. O       .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O       .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .         .
12018 204. O       .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O       .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O       .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .         .
12042 208. O       .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O       .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O       .         .         .         .         .         .         .         .         .         .         .         .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .        L.
12112 213. O       .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O       .         .         .         .         .         .         .         .         .         .         .         .
12136 217. O       .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O       .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O       .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O       .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
12206 222. O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O       .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O       .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O       .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O       .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O       .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O       .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O       .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O       .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O       .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O       .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O       .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O       .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O       .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O       .         .         .         .         .         .         .         .         .         .         .         .
12348 239.O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240.O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB D
PLAN 1, RATIO = .76

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DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.	*	1	1206	122	.51	.20	.31	8.
1	0006	2	.01	.01	.00	0.	*	1	1212	123	.33	.11	.22	10.
1	0012	3	.01	.01	.00	0.	*	1	1218	124	.21	.07	.15	9.
1	0018	4	.01	.01	.00	0.	*	1	1224	125	.10	.03	.07	7.
1	0024	5	.01	.01	.00	0.	*	1	1230	126	.08	.02	.06	5.
1	0030	6	.01	.01	.00	0.	*	1	1236	127	.07	.02	.05	4.
1	0036	7	.01	.01	.00	0.	*	1	1242	128	.07	.02	.05	3.
1	0042	8	.01	.01	.00	0.	*	1	1248	129	.05	.02	.04	2.
1	0048	9	.01	.01	.00	0.	*	1	1254	130	.05	.02	.04	2.
1	0054	10	.01	.01	.00	0.	*	1	1300	131	.05	.01	.04	2.
1	0100	11	.01	.01	.00	0.	*	1	1306	132	.04	.01	.03	2.
1	0106	12	.01	.01	.00	0.	*	1	1312	133	.05	.01	.04	1.
1	0112	13	.01	.01	.00	0.	*	1	1318	134	.04	.01	.03	1.
1	0118	14	.01	.01	.00	0.	*	1	1324	135	.04	.01	.03	1.
1	0124	15	.01	.01	.00	0.	*	1	1330	136	.04	.01	.03	1.
1	0130	16	.01	.01	.00	0.	*	1	1336	137	.03	.01	.02	1.
1	0136	17	.01	.01	.00	0.	*	1	1342	138	.04	.01	.03	1.
1	0142	18	.01	.01	.00	0.	*	1	1348	139	.03	.01	.02	1.
1	0148	19	.01	.01	.00	0.	*	1	1354	140	.03	.01	.02	1.
1	0154	20	.01	.01	.00	0.	*	1	1400	141	.03	.01	.02	1.
1	0200	21	.01	.01	.00	0.	*	1	1406	142	.03	.01	.02	1.
1	0206	22	.01	.01	.00	0.	*	1	1412	143	.03	.01	.02	1.
1	0212	23	.01	.01	.00	0.	*	1	1418	144	.02	.01	.02	1.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.02	.01	.02	1.
1	0224	25	.01	.01	.00	0.	*	1	1430	146	.03	.01	.02	1.
1	0230	26	.01	.01	.00	0.	*	1	1436	147	.02	.01	.02	1.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.02	.01	.02	1.

1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.00	.01	1.
1	0248	29	.01	.01	.00	0.	*	1	1454	150	.02	.01	.02	1.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.02	.01	.02	1.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.02	.01	.02	1.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.00	.01	1.
1	0312	33	.01	.01	.00	0.	*	1	1518	154	.02	.01	.02	1.
1	0318	34	.01	.01	.00	0.	*	1	1524	155	.02	.00	.01	1.
1	0324	35	.01	.01	.00	0.	*	1	1530	156	.02	.00	.01	1.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.02	.01	.02	1.
1	0336	37	.01	.01	.00	0.	*	1	1542	158	.02	.00	.01	1.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.02	.00	.01	1.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.01	1.
1	0354	40	.01	.01	.00	0.	*	1	1600	161	.02	.00	.01	1.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.01	1.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.02	.00	.01	1.
1	0412	43	.01	.01	.00	0.	*	1	1618	164	.02	.00	.01	1.
1	0418	44	.01	.01	.00	0.	*	1	1624	165	.02	.00	.01	1.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	1.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.01	1.
1	0436	47	.01	.01	.00	0.	*	1	1642	168	.02	.00	.01	1.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	1.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.01	.00	.01	0.
1	0454	50	.01	.01	.00	0.	*	1	1700	171	.01	.00	.00	0.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	0.
1	0506	52	.01	.01	.00	0.	*	1	1712	173	.01	.00	.01	0.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	0.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.01	.00	.01	0.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.01	.00	.00	0.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.01	.00	.01	0.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	0.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.00	0.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	0.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.01	.00	.01	0.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.01	.00	.00	0.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	0.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.00	0.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	0.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.01	.00	.00	0.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.01	.00	.01	0.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.01	.00	.00	0.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	0.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.00	0.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	0.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.01	.00	.00	0.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.01	.00	.00	0.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	0.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.01	.00	.00	0.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	0.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.00	0.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.00	0.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.01	.00	.01	0.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.00	0.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.00	0.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.00	0.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.01	.00	.01	0.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.00	0.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.00	0.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.00	0.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.01	.00	.01	0.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.01	.00	.00	0.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.00	0.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.00	0.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.01	.00	.00	0.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	0.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.00	0.
1	0912	93	.02	.02	.00	0.	*	1	2118	214	.01	.00	.00	0.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.01	.00	.00	0.
1	0924	95	.02	.02	.00	0.	*	1	2130	216	.01	.00	.00	0.
1	0930	96	.02	.02	.00	0.	*	1	2136	217	.01	.00	.00	0.
1	0936	97	.02	.02	.00	0.	*	1	2142	218	.01	.00	.00	0.
1	0942	98	.03	.03	.00	0.	*	1	2148	219	.01	.00	.00	0.
1	0948	99	.02	.02	.00	0.	*	1	2154	220	.01	.00	.00	0.
1	0954	100	.03	.03	.00	0.	*	1	2200	221	.01	.00	.01	0.
1	1000	101	.02	.02	.00	0.	*	1	2206	222	.01	.00	.00	0.
1	1006	102	.03	.03	.00	0.	*	1	2212	223	.01	.00	.00	0.
1	1012	103	.03	.03	.00	0.	*	1	2218	224	.01	.00	.00	0.
1	1018	104	.04	.03	.01	0.	*	1	2224	225	.01	.00	.00	0.
1	1024	105	.03	.02	.01	0.	*	1	2230	226	.01	.00	.00	0.
1	1030	106	.04	.03	.01	0.	*	1	2236	227	.01	.00	.00	0.
1	1036	107	.04	.03	.01	0.	*	1	2242	228	.01	.00	.00	0.
1	1042	108	.04	.03	.01	0.	*	1	2248	229	.01	.00	.00	0.
1	1048	109	.04	.03	.01	0.	*	1	2254	230	.01	.00	.00	0.
1	1054	110	.04	.03	.01	0.	*	1	2300	231	.01	.00	.00	0.
1	1100	111	.05	.04	.01	0.	*	1	2306	232	.01	.00	.00	0.
1	1106	112	.05	.04	.01	0.	*	1	2312	233	.01	.00	.00	0.
1	1112	113	.05	.03	.01	1.	*	1	2318	234	.01	.00	.00	0.
1	1118	114	.06	.04	.02	1.	*	1	2324	235	.01	.00	.00	0.
1	1124	115	.07	.05	.02	1.	*	1	2330	236	.01	.00	.00	0.
1	1130	116	.07	.04	.02	1.	*	1	2336	237	.01	.00	.00	0.
1	1136	117	.09	.05	.03	1.	*	1	2342	238	.01	.00	.00	0.
1	1142	118	.10	.06	.04	1.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.21	.12	.09	2.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.32	.17	.15	3.	*	2	0000	241	.01	.00	.00	0.
1	1200	121	.51	.23	.28	5.	*							
							*							

TOTAL RAINFALL = 6.10, TOTAL LOSS = 3.12, TOTAL EXCESS = 2.98

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	24.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	10.	12.20		2.	1.	1.	1.
			(INCHES)	2.448	2.971	2.971	2.971
			(AC-FT)	1.	1.	1.	1.

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                    CUMULATIVE AREA =      .01 SQ MI
1                                                        STATION     SUB D

                              (O) OUTFLOW
            0.        2.        4.        6.        8.       10.        0.        0.        0.        0.        0.         0.         0.
                                                                                                          (L) PRECIP,  (X) EXCESS
            .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4         .2         .0
DAHRMN PER
 10000   10
 10006   20
 10012   30
 10018   40
 10024   50
 10030   60
 10036   70
 10042   80
 10048   90
 10054  100
 10100  110
 10106  120
 10112  130
 10118  140
 10124  150
 10130  160
 10136  170
 10142  180
 10148  190
 10154  200
 10200  210
 10206  220
 10212  230
 10218  240
 10224  250
 10230  260                                                                                                                         L.
 10236  270
 10242  280
 10248  290
 10254  300
 10300  310
 10306  320
 10312  330                                                                                                                         L.
 10318  340
 10324  350
 10330  360
 10336  370
 10342  380                                                                                                                         L.
 10348  390
 10354  400
 10400  410
 10406  420                                                                                                                         L.
 10412  430
 10418  440
 10424  450                                                                                                                         L.
 10430  460
 10436  470
 10442  480                                                                                                                         L.
 10448  490
 10454  500
 10500  510                                                                                                                         L.
 10506  520
 10512  530                                                                                                                         L.
 10518  540
 10524  550                                                                                                                         L.
 10530  560
 10536  570                                                                                                                         L.
 10542  580
 10548  590                                                                                                                         L.
 10554  600
 10600  610                                                                                                                         L.
 10606  620                                                                                                                         L.
 10612  630
 10618  640                                                                                                                         L.
 10624  650                                                                                                                         L.
 10630  660
 10636  670                                                                                                                         L.
 10642  680                                                                                                                         L.
 10648  690
 10654  700                                                                                                                         L.
 10700  710                                                                                                                         L.
 10706  720                                                                                                                         L.
 10712  730                                                                                                                         L.
 10718  740                                                                                                                         L.
 10724  750                                                                                                                         L.
 10730  760                                                                                                                         L.
 10736  770                                                                                                                         L.
 10742  780                                                                                                                         L.
 10748  790                                                                                                                         L.
 10754  800                                                                                                                         L.
 10800  810                                                                                                                         L.
 10806  820                                                                                                                         L.
 10812  830                                                                                                                         L.
 10818  840                                                                                                                         L.
 10824  850                                                                                                                         L.
 10830  860                                                                                                                         L.
 10836  870                                                                                                                         L.
 10842  880                                                                                                                         L.
 10848  890                                                                                                                         L.
 10854  900                                                                                                                         L.
 10900  910                                                                                                                         L.
 10906  920                                                                                                                         L.
 10912  930                                                                                                                         L.
 10918  940                                                                                                                         L.
 10924  950                                                                                                                         L.
 10930  960                                                                                                                         L.
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10936  97O                                                          L.
10942  98O                                                         LL.
10948  99.O                                                         L.
10954 100.O                                                        LL.
11000 101.O.                                                       .L.
11006 102.O                                                        LL.
11012 103.O                                                        LL.
11018 104.O                                                        LL.
11024 105.O                                                        LL.
11030 106.O                                                        LL.
11036 107.O                                                        LL.
11042 108.O                                                        LL.
11048 109. O                                                       LX.
11054 110. O                                                       LX.
11100 111. O                                                       LX.
11106 112. O                                                       LX.
11112 113.  O                                                      LX.
11118 114.  O                                                     LLX.
11124 115.  O                                                     LLX.
11130 116.   O                                                    LLX.
11136 117.    O                                                  LLXX.
11142 118.     O                                                LLLXX.
11148 119.       O                                        LLLLLLXXXXX.
11154 120.             O                             LLLLLLLLXXXXXXXX.
11200 121.                        O       . LLLLLLLLLLLLXXXXXXXXXXXXXX.
11206 122.                                      .O  LLLLLLLLLLXXXXXXXXXXXXXXXX.
11212 123.                                               O   LLLLLXXXXXXXXXXX.
11218 124.                                            O        LLLLXXXXXXX.
11224 125.                                  O                       LLXXX.
11230 126.                       O                                  LXXX.
11236 127.                O                                         LXXX.
11242 128.             O                                             LXX.
11248 129.         .O                                                LXX.
11254 130.          O                                                LXX.
11300 131.        .O.                                                 XX.
11306 132.        O                                                   XX.
11312 133.       O                                                    XX.
11318 134.       O                                                    LX.
11324 135.      O                                                     XX.
11330 136.      O                                                     LX.
11336 137.      O                                                     LX.
11342 138.     O                                                      LX.
11348 139.     O                                                      LX.
11354 140.     O                                                      LX.
11400 141.    .O.                                                     LX.
11406 142.     O                                                      LX.
11412 143.     O                                                      LX.
11418 144.     O                                                       X.
11424 145.    O                                                        X.
11430 146.    O                                                       LX.
11436 147.    O                                                        X.
11442 148.    O                                                        X.
11448 149.    O                                                        X.
11454 150.    O                                                        X.
11500 151.  . O                                                       .X.
11506 152.    O                                                        X.
11512 153.    O                                                        X.
11518 154.   O                                                         X.
11524 155.   O                                                         X.
11530 156.   O                                                         X.
11536 157.   O                                                         X.
11542 158.   O                                                         X.
11548 159.   O                                                         X.
11554 160.   O                                                         X.
11600 161.  .O.                                                      .X.
11606 162.   O                                                         X.
11612 163.   O                                                         X.
11618 164.   O                                                         X.
11624 165.   O                                                         X.
11630 166.   O                                                         L.
11636 167.   O                                                         X.
11642 168.   O                                                         X.
11648 169.   O                                                         L.
11654 170. O                                                           L.
11700 171. O                                                           ..
11706 172. O                                                           L.
11712 173. O                                                           L.
11718 174. O                                                           L.
11724 175. O                                                           L.
11730 176. O                                                            .
11736 177. O                                                           L.
11742 178. O                                                           L.
11748 179. O                                                            .
11754 180. O                                                           L.
11800 181. O                                                          .L.
11806 182. O                                                            .
11812 183. O                                                           L.
11818 184. O                                                            .
11824 185.O                                                            L.
11830 186.O                                                             .
11836 187.O                                                            L.
11842 188.O                                                             .
11848 189.O                                                            L.
11854 190.O                                                             .
11900 191.O.                                                          .L.
11906 192.O                                                             .
11912 193.O                                                             .
11918 194.O                                                            L.
11924 195.O                                                             .
11930 196.O                                                            L.
11936 197.O                                                             .
11942 198.O                                                             .
11948 199.O                                                            L.
11954 200.O                                                             .
12000 201.O.                                                            .
12006 202.O                                                             .
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12012 203.o         .         .         .         .         .         .         .         .         .         .         .         L.
12018 204.o         .         .         .         .         .         .         .         .         .         .         .          .
12024 205.o         .         .         .         .         .         .         .         .         .         .         .          .
12030 206.o         .         .         .         .         .         .         .         .         .         .         .          .
12036 207.o         .         .         .         .         .         .         .         .         .         .         .         L.
12042 208.o         .         .         .         .         .         .         .         .         .         .         .          .
12048 209.o         .         .         .         .         .         .         .         .         .         .         .          .
12054 210.o         .         .         .         .         .         .         .         .         .         .         .          .
12100 211.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.o         .         .         .         .         .         .         .         .         .         .         .         L.
12112 213.o         .         .         .         .         .         .         .         .         .         .         .          .
12118 214.o         .         .         .         .         .         .         .         .         .         .         .          .
12124 215.o         .         .         .         .         .         .         .         .         .         .         .          .
12130 216.o         .         .         .         .         .         .         .         .         .         .         .          .
12136 217.o         .         .         .         .         .         .         .         .         .         .         .          .
12142 218.o         .         .         .         .         .         .         .         .         .         .         .          .
12148 219.o         .         .         .         .         .         .         .         .         .         .         .          .
12154 220.o         .         .         .         .         .         .         .         .         .         .         .          .
12200 221.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
12206 222.o         .         .         .         .         .         .         .         .         .         .         .          .
12212 223.o         .         .         .         .         .         .         .         .         .         .         .          .
12218 224.o         .         .         .         .         .         .         .         .         .         .         .          .
12224 225.o         .         .         .         .         .         .         .         .         .         .         .          .
12230 226.o         .         .         .         .         .         .         .         .         .         .         .          .
12236 227.o         .         .         .         .         .         .         .         .         .         .         .          .
12242 228.o         .         .         .         .         .         .         .         .         .         .         .          .
12248 229.o         .         .         .         .         .         .         .         .         .         .         .          .
12254 230.o         .         .         .         .         .         .         .         .         .         .         .          .
12300 231.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.o         .         .         .         .         .         .         .         .         .         .         .          .
12312 233.o         .         .         .         .         .         .         .         .         .         .         .          .
12318 234.o         .         .         .         .         .         .         .         .         .         .         .          .
12324 235.o         .         .         .         .         .         .         .         .         .         .         .          .
12330 236.o         .         .         .         .         .         .         .         .         .         .         .          .
12336 237.o         .         .         .         .         .         .         .         .         .         .         .          .
12342 238.o         .         .         .         .         .         .         .         .         .         .         .          .
12348 239.o         .         .         .         .         .         .         .         .         .         .         .          .
12354 240.o         .         .         .         .         .         .         .         .         .         .         .          .
20000 241.o---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.----------.
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HYDROGRAPH AT STATION SUB D
PLAN 1, RATIO = .88

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.59	.20	.39	11.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.38	.11	.27	13.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.24	.07	.18	12.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.11	.03	.08	9.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.09	.02	.07	6.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.08	.02	.06	4.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.08	.02	.06	3.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.06	.01	.05	3.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.06	.01	.05	2.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.01	.04	2.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.05	.01	.04	2.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.01	.04	2.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.04	.01	.03	2.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.05	.01	.04	2.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.04	.01	.03	1.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.03	.01	.03	1.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.04	.01	.03	1.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.03	.01	.03	1.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.03	.01	.03	1.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.03	.01	.03	1.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.03	.01	.03	1.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.03	.01	.03	1.
1		0212	23	.01	.01	.00	0.	*	1		1418	144	.03	.01	.02	1.
1		0218	24	.01	.01	.00	0.	*	1		1424	145	.03	.01	.02	1.
1		0224	25	.01	.01	.00	0.	*	1		1430	146	.03	.01	.03	1.
1		0230	26	.01	.01	.00	0.	*	1		1436	147	.03	.01	.02	1.
1		0236	27	.01	.01	.00	0.	*	1		1442	148	.03	.01	.02	1.
1		0242	28	.01	.01	.00	0.	*	1		1448	149	.02	.00	.02	1.
1		0248	29	.01	.01	.00	0.	*	1		1454	150	.03	.01	.02	1.
1		0254	30	.01	.01	.00	0.	*	1		1500	151	.03	.01	.02	1.
1		0300	31	.01	.01	.00	0.	*	1		1506	152	.03	.01	.02	1.
1		0306	32	.01	.01	.00	0.	*	1		1512	153	.02	.00	.02	1.
1		0312	33	.01	.01	.00	0.	*	1		1518	154	.03	.01	.02	1.
1		0318	34	.01	.01	.00	0.	*	1		1524	155	.02	.00	.02	1.
1		0324	35	.01	.01	.00	0.	*	1		1530	156	.02	.00	.02	1.
1		0330	36	.01	.01	.00	0.	*	1		1536	157	.03	.01	.02	1.
1		0336	37	.01	.01	.00	0.	*	1		1542	158	.02	.00	.02	1.
1		0342	38	.01	.01	.00	0.	*	1		1548	159	.02	.00	.02	1.
1		0348	39	.01	.01	.00	0.	*	1		1554	160	.02	.00	.02	1.
1		0354	40	.01	.01	.00	0.	*	1		1600	161	.02	.00	.02	1.
1		0400	41	.01	.01	.00	0.	*	1		1606	162	.02	.00	.02	1.
1		0406	42	.01	.01	.00	0.	*	1		1612	163	.02	.00	.02	1.
1		0412	43	.01	.01	.00	0.	*	1		1618	164	.02	.00	.02	1.
1		0418	44	.01	.01	.00	0.	*	1		1624	165	.02	.00	.02	1.
1		0424	45	.01	.01	.00	0.	*	1		1630	166	.01	.00	.01	1.
1		0430	46	.01	.01	.00	0.	*	1		1636	167	.02	.00	.02	1.
1		0436	47	.01	.01	.00	0.	*	1		1642	168	.02	.00	.02	1.
1		0442	48	.01	.01	.00	0.	*	1		1648	169	.01	.00	.01	1.
1		0448	49	.01	.01	.00	0.	*	1		1654	170	.01	.00	.01	1.
1		0454	50	.01	.01	.00	0.	*	1		1700	171	.01	.00	.01	0.
1		0500	51	.01	.01	.00	0.	*	1		1706	172	.01	.00	.01	0.
1		0506	52	.01	.01	.00	0.	*	1		1712	173	.01	.00	.01	0.
1		0512	53	.01	.01	.00	0.	*	1		1718	174	.01	.00	.01	0.
1		0518	54	.01	.01	.00	0.	*	1		1724	175	.01	.00	.01	0.
1		0524	55	.01	.01	.00	0.	*	1		1730	176	.01	.00	.01	0.
1		0530	56	.01	.01	.00	0.	*	1		1736	177	.01	.00	.01	0.

1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	0.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	0.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	0.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.01	.00	.01	0.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.01	.00	.01	0.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	0.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	0.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	0.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.01	.00	.01	0.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.01	.00	.01	0.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.01	.00	.01	0.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	0.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	0.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	0.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.01	.00	.01	0.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.01	.00	.01	0.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	0.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.01	.00	.01	0.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	0.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	0.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	0.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.01	.00	.01	0.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	0.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	0.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	0.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.01	.00	.01	0.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	0.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	0.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	0.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.01	.00	.01	0.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	0.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	0.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	0.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	0.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.01	.00	.01	0.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	0.
1	0912	93	.03	.02	.00	0.	*	1	2118	214	.01	.00	.01	0.
1	0918	94	.03	.02	.00	0.	*	1	2124	215	.01	.00	.01	0.
1	0924	95	.03	.02	.00	0.	*	1	2130	216	.01	.00	.01	0.
1	0930	96	.03	.02	.00	0.	*	1	2136	217	.01	.00	.01	0.
1	0936	97	.03	.02	.00	0.	*	1	2142	218	.01	.00	.01	0.
1	0942	98	.03	.03	.01	0.	*	1	2148	219	.01	.00	.01	0.
1	0948	99	.03	.02	.01	0.	*	1	2154	220	.01	.00	.01	0.
1	0954	100	.03	.03	.01	0.	*	1	2200	221	.01	.00	.01	0.
1	1000	101	.03	.02	.01	0.	*	1	2206	222	.01	.00	.01	0.
1	1006	102	.04	.03	.01	0.	*	1	2212	223	.01	.00	.01	0.
1	1012	103	.03	.03	.01	0.	*	1	2218	224	.01	.00	.01	0.
1	1018	104	.04	.03	.01	0.	*	1	2224	225	.01	.00	.01	0.
1	1024	105	.03	.03	.01	0.	*	1	2230	226	.01	.00	.01	0.
1	1030	106	.04	.03	.01	0.	*	1	2236	227	.01	.00	.01	0.
1	1036	107	.04	.03	.01	0.	*	1	2242	228	.01	.00	.01	0.
1	1042	108	.04	.03	.01	0.	*	1	2248	229	.01	.00	.01	0.
1	1048	109	.05	.03	.01	0.	*	1	2254	230	.01	.00	.01	0.
1	1054	110	.05	.03	.02	1.	*	1	2300	231	.01	.00	.01	0.
1	1100	111	.06	.04	.02	1.	*	1	2306	232	.01	.00	.01	0.
1	1106	112	.06	.04	.02	1.	*	1	2312	233	.01	.00	.01	0.
1	1112	113	.06	.04	.02	1.	*	1	2318	234	.01	.00	.01	0.
1	1118	114	.07	.04	.03	1.	*	1	2324	235	.01	.00	.01	0.
1	1124	115	.08	.05	.03	1.	*	1	2330	236	.01	.00	.01	0.
1	1130	116	.08	.05	.03	1.	*	1	2336	237	.01	.00	.01	0.
1	1136	117	.10	.06	.04	1.	*	1	2342	238	.01	.00	.01	0.
1	1142	118	.11	.06	.05	2.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.24	.13	.12	2.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.37	.17	.20	4.	*	2	0000	241	.01	.00	.01	0.
1	1200	121	.59	.23	.35	7.	*							
							*							

```
*************************************************************************************************************************************

   TOTAL RAINFALL =     7.00, TOTAL LOSS =    3.28, TOTAL EXCESS =     3.72

  PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR       24.00-HR
+    (CFS)       (HR)
                            (CFS)
+      13.       12.20                  2.          1.          1.           1.
                          (INCHES)   3.047       3.713       3.713        3.713
                           (AC-FT)      1.          1.          1.           1.

                          CUMULATIVE AREA =      .01 SQ MI

1                                                          STATION    SUB D

                             (O) OUTFLOW
         0.          2.          4.          6.          8.         10.         12.         14.          0.          0.          0.          0.          0.
                                                                                                                   (L) PRECIP,  (X) EXCESS
         .0          .0          .0          .0          .0          .0          .0          .0          .0          .6          .4          .2          .0
DAHRMN PER
 10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9O         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10O         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12O         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13O         .         .         .         .         .         .         .         .         .         .         .         .
 10118  14O         .         .         .         .         .         .         .         .         .         .         .         .
 10124  15O         .         .         .         .         .         .         .         .         .         .         .         .
 10130  16O         .         .         .         .         .         .         .         .         .         .         .         .
 10136  17O         .         .         .         .         .         .         .         .         .         .         .         .
 10142  18O         .         .         .         .         .         .         .         .         .         .         .         .
 10148  19O         .         .         .         .         .         .         .         .         .         .         .         .
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10154  200         .         .         .         .         .         .         .         .         .         .         .         .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220         .         .         .         .         .         .         .         .         .         .         .         .
10212  230         .         .         .         .         .         .         .         .         .         .         .         .
10218  240         .         .         .         .         .         .         .         .         .         .         .         .
10224  250         .         .         .         .         .         .         .         .         .         .         .         .
10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
10236  270         .         .         .         .         .         .         .         .         .         .         .         .
10242  280         .         .         .         .         .         .         .         .         .         .         .         .
10248  290         .         .         .         .         .         .         .         .         .         .         .         .
10254  300         .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320         .         .         .         .         .         .         .         .         .         .         .         .
10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
10318  340         .         .         .         .         .         .         .         .         .         .         .         .
10324  350         .         .         .         .         .         .         .         .         .         .         .         .
10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
10354  400         .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
10412  430         .         .         .         .         .         .         .         .         .         .         .         .
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .        L.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .        L.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .        L.
10918  94.o        .         .         .         .         .         .         .         .         .         .         .        L.
10924  95.o        .         .         .         .         .         .         .         .         .         .         .        L.
10930  96.o        .         .         .         .         .         .         .         .         .         .         .        L.
10936  97.o        .         .         .         .         .         .         .         .         .         .         .        L.
10942  98.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10948  99.o        .         .         .         .         .         .         .         .         .         .         .        L.
10954 100.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11000 101.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11012 103.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11018 104. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11024 105. o       .         .         .         .         .         .         .         .         .         .         .       LL.
11030 106. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11036 107. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11042 108. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11048 109. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11054 110.  o      .         .         .         .         .         .         .         .         .         .         .       LX.
11100 111. .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.  o      .         .         .         .         .         .         .         .         .         .         .      LLX.
11112 113.   o     .         .         .         .         .         .         .         .         .         .         .      LLX.
11118 114.   o     .         .         .         .         .         .         .         .         .         .         .      LLX.
11124 115.    o    .         .         .         .         .         .         .         .         .         .         .     LLXX.
11130 116.    o    .         .         .         .         .         .         .         .         .         .         .     LLXX.
11136 117.     o   .         .         .         .         .         .         .         .         .         .         .    LLLXX.
11142 118.       o .         .         .         .         .         .         .         .         .         .         .   LLLXXX.
11148 119.         .o        .         .         .         .         .         .         .         .       LLLLLLXXXXXX.
11154 120.         .        o.         .         .         .         .         .         .         .LLLLLLLLLXXXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLLLLLLLLLLXXXXXXXXXXXXXXXXXX.
11206 122.         .         .         .         .         .  o      .         .         .         .LLLLLLLLLXXXXXXXXXXXXXXXXXXXX.
11212 123.         .         .         .         .         .         .  o      .         .         .LLLLLLXXXXXXXXXXXXX.
11218 124.         .         .         .         .         .       o .         .         .         .       LLLXXXXXXXXX.
11224 125.         .         .         .         .    o    .         .         .         .         .         .   LLXXXX.
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11230 126.         .         .         .O        .         .         .         .         .         .         .    LLXXX.
11236 127.         .         . O       .         .         .         .         .         .         .         .     LXXX.
11242 128.         .      O  .         .         .         .         .         .         .         .         .     LXXX.
11248 129.         .   O     .         .         .         .         .         .         .         .         .      LXX.
11254 130.         . O       .         .         .         .         .         .         .         .         .      LXX.
11300 131. . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.        O.         .         .         .         .         .         .         .         .         .       XX.
11312 133.        O.         .         .         .         .         .         .         .         .         .      LXX.
11318 134.       O .         .         .         .         .         .         .         .         .         .       XX.
11324 135.       O .         .         .         .         .         .         .         .         .         .       XX.
11330 136.      O  .         .         .         .         .         .         .         .         .         .       XX.
11336 137.      O  .         .         .         .         .         .         .         .         .         .       LX.
11342 138.      O  .         .         .         .         .         .         .         .         .         .       XX.
11348 139.     O   .         .         .         .         .         .         .         .         .         .       LX.
11354 140.     O   .         .         .         .         .         .         .         .         .         .       LX.
11400 141. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.     O   .         .         .         .         .         .         .         .         .         .       LX.
11412 143.     O   .         .         .         .         .         .         .         .         .         .       LX.
11418 144.    O    .         .         .         .         .         .         .         .         .         .        X.
11424 145.    O    .         .         .         .         .         .         .         .         .         .        X.
11430 146.    O    .         .         .         .         .         .         .         .         .         .       LX.
11436 147.    O    .         .         .         .         .         .         .         .         .         .        X.
11442 148.    O    .         .         .         .         .         .         .         .         .         .        X.
11448 149.    O    .         .         .         .         .         .         .         .         .         .        X.
11454 150.   O     .         .         .         .         .         .         .         .         .         .        X.
11500 151. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.   O     .         .         .         .         .         .         .         .         .         .        X.
11512 153.   O     .         .         .         .         .         .         .         .         .         .        X.
11518 154.   O     .         .         .         .         .         .         .         .         .         .        X.
11524 155.   O     .         .         .         .         .         .         .         .         .         .        X.
11530 156.   O     .         .         .         .         .         .         .         .         .         .        X.
11536 157.   O     .         .         .         .         .         .         .         .         .         .        X.
11542 158.   O     .         .         .         .         .         .         .         .         .         .        X.
11548 159.   O     .         .         .         .         .         .         .         .         .         .        X.
11554 160.   O     .         .         .         .         .         .         .         .         .         .        X.
11600 161. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.   O     .         .         .         .         .         .         .         .         .         .        X.
11612 163.  O      .         .         .         .         .         .         .         .         .         .        X.
11618 164.  O      .         .         .         .         .         .         .         .         .         .        X.
11624 165.  O      .         .         .         .         .         .         .         .         .         .        X.
11630 166.  O      .         .         .         .         .         .         .         .         .         .        X.
11636 167.  O      .         .         .         .         .         .         .         .         .         .        X.
11642 168.  O      .         .         .         .         .         .         .         .         .         .        X.
11648 169.  O      .         .         .         .         .         .         .         .         .         .        X.
11654 170.  O      .         .         .         .         .         .         .         .         .         .        X.
11700 171. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O       .         .         .         .         .         .         .         .         .         .        X.
11712 173. O       .         .         .         .         .         .         .         .         .         .        X.
11718 174. O       .         .         .         .         .         .         .         .         .         .        X.
11724 175. O       .         .         .         .         .         .         .         .         .         .        X.
11730 176. O       .         .         .         .         .         .         .         .         .         .         .
11736 177. O       .         .         .         .         .         .         .         .         .         .        X.
11742 178. O       .         .         .         .         .         .         .         .         .         .        X.
11748 179. O       .         .         .         .         .         .         .         .         .         .         .
11754 180. O       .         .         .         .         .         .         .         .         .         .        X.
11800 181. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182. O       .         .         .         .         .         .         .         .         .         .         .
11812 183. O       .         .         .         .         .         .         .         .         .         .        X.
11818 184. O       .         .         .         .         .         .         .         .         .         .         .
11824 185. O       .         .         .         .         .         .         .         .         .         .        X.
11830 186. O       .         .         .         .         .         .         .         .         .         .         .
11836 187. O       .         .         .         .         .         .         .         .         .         .        X.
11842 188. O       .         .         .         .         .         .         .         .         .         .         .
11848 189. O       .         .         .         .         .         .         .         .         .         .        X.
11854 190. O       .         .         .         .         .         .         .         .         .         .         .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192. O       .         .         .         .         .         .         .         .         .         .         .
11912 193. O       .         .         .         .         .         .         .         .         .         .         .
11918 194. O       .         .         .         .         .         .         .         .         .         .        X.
11924 195. O       .         .         .         .         .         .         .         .         .         .         .
11930 196. O       .         .         .         .         .         .         .         .         .         .        X.
11936 197. O       .         .         .         .         .         .         .         .         .         .         .
11942 198. O       .         .         .         .         .         .         .         .         .         .         .
11948 199. O       .         .         .         .         .         .         .         .         .         .        X.
11954 200. O       .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O        .         .         .         .         .         .         .         .         .         .         .
12012 203.O        .         .         .         .         .         .         .         .         .         .        X.
12018 204. O       .         .         .         .         .         .         .         .         .         .         .
12024 205. O       .         .         .         .         .         .         .         .         .         .         .
12030 206.O        .         .         .         .         .         .         .         .         .         .         .
12036 207.O        .         .         .         .         .         .         .         .         .         .        X.
12042 208. O       .         .         .         .         .         .         .         .         .         .         .
12048 209. O       .         .         .         .         .         .         .         .         .         .         .
12054 210.O        .         .         .         .         .         .         .         .         .         .         .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.O        .         .         .         .         .         .         .         .         .         .        X.
12112 213. O       .         .         .         .         .         .         .         .         .         .         .
12118 214. O       .         .         .         .         .         .         .         .         .         .         .
12124 215.O        .         .         .         .         .         .         .         .         .         .         .
12130 216.O        .         .         .         .         .         .         .         .         .         .         .
12136 217.O        .         .         .         .         .         .         .         .         .         .         .
12142 218.O        .         .         .         .         .         .         .         .         .         .         .
12148 219.O        .         .         .         .         .         .         .         .         .         .         .
12154 220.O        .         .         .         .         .         .         .         .         .         .         .
12200 221.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O       .         .         .         .         .         .         .         .         .         .         .
12212 223. O       .         .         .         .         .         .         .         .         .         .         .
12218 224.O        .         .         .         .         .         .         .         .         .         .         .
12224 225.O        .         .         .         .         .         .         .         .         .         .         .
12230 226.O        .         .         .         .         .         .         .         .         .         .         .
12236 227.O        .         .         .         .         .         .         .         .         .         .         .
12242 228.O        .         .         .         .         .         .         .         .         .         .         .
12248 229.O        .         .         .         .         .         .         .         .         .         .         .
12254 230.O        .         .         .         .         .         .         .         .         .         .         .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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12306 232.0         .         .         .         .         .         .         .         .         .         .         .         .
12312 233.0         .         .         .         .         .         .         .         .         .         .         .         .
12318 234.0         .         .         .         .         .         .         .         .         .         .         .         .
12324 235.0         .         .         .         .         .         .         .         .         .         .         .         .
12330 236.0         .         .         .         .         .         .         .         .         .         .         .         .
12336 237.0         .         .         .         .         .         .         .         .         .         .         .         .
12342 238.0         .         .         .         .         .         .         .         .         .         .         .         .
12348 239.0         .         .         .         .         .         .         .         .         .         .         .         .
12354 240.0         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.0---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1
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HYDROGRAPH AT STATION SUB D
PLAN 1, RATIO = 1.00

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.67	.19	.48	13.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.43	.11	.32	15.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.28	.06	.22	14.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.13	.03	.10	11.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.10	.02	.08	8.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.10	.02	.08	5.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.09	.02	.07	4.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.07	.01	.06	3.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.07	.01	.06	3.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.01	.05	3.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.06	.01	.05	2.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.01	.05	2.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.05	.01	.04	2.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.06	.01	.05	2.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.05	.01	.04	2.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.04	.01	.03	2.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.05	.01	.04	2.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.04	.01	.03	2.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.04	.01	.03	1.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.04	.01	.03	1.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.04	.01	.03	1.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.04	.01	.03	1.
1		0212	23	.01	.01	.00	0.	*	1		1418	144	.03	.01	.03	1.
1		0218	24	.01	.01	.00	0.	*	1		1424	145	.03	.01	.03	1.
1		0224	25	.01	.01	.00	0.	*	1		1430	146	.04	.01	.03	1.
1		0230	26	.02	.02	.00	0.	*	1		1436	147	.03	.01	.03	1.
1		0236	27	.01	.01	.00	0.	*	1		1442	148	.03	.01	.03	1.
1		0242	28	.01	.01	.00	0.	*	1		1448	149	.02	.00	.02	1.
1		0248	29	.01	.01	.00	0.	*	1		1454	150	.03	.01	.03	1.
1		0254	30	.01	.01	.00	0.	*	1		1500	151	.03	.01	.03	1.
1		0300	31	.01	.01	.00	0.	*	1		1506	152	.03	.01	.03	1.
1		0306	32	.01	.01	.00	0.	*	1		1512	153	.02	.00	.02	1.
1		0312	33	.02	.02	.00	0.	*	1		1518	154	.03	.01	.03	1.
1		0318	34	.01	.01	.00	0.	*	1		1524	155	.02	.00	.02	1.
1		0324	35	.01	.01	.00	0.	*	1		1530	156	.02	.00	.02	1.
1		0330	36	.01	.01	.00	0.	*	1		1536	157	.03	.01	.03	1.
1		0336	37	.01	.01	.00	0.	*	1		1542	158	.02	.00	.02	1.
1		0342	38	.02	.02	.00	0.	*	1		1548	159	.02	.00	.02	1.
1		0348	39	.01	.01	.00	0.	*	1		1554	160	.02	.00	.02	1.
1		0354	40	.01	.01	.00	0.	*	1		1600	161	.02	.00	.02	1.
1		0400	41	.01	.01	.00	0.	*	1		1606	162	.02	.00	.02	1.
1		0406	42	.02	.02	.00	0.	*	1		1612	163	.02	.00	.02	1.
1		0412	43	.01	.01	.00	0.	*	1		1618	164	.02	.00	.02	1.
1		0418	44	.01	.01	.00	0.	*	1		1624	165	.02	.00	.02	1.
1		0424	45	.02	.02	.00	0.	*	1		1630	166	.02	.00	.01	1.
1		0430	46	.01	.01	.00	0.	*	1		1636	167	.02	.00	.02	1.
1		0436	47	.01	.01	.00	0.	*	1		1642	168	.02	.00	.02	1.
1		0442	48	.02	.02	.00	0.	*	1		1648	169	.02	.00	.01	1.
1		0448	49	.01	.01	.00	0.	*	1		1654	170	.02	.00	.01	1.
1		0454	50	.01	.01	.00	0.	*	1		1700	171	.01	.00	.01	1.
1		0500	51	.02	.02	.00	0.	*	1		1706	172	.02	.00	.01	0.
1		0506	52	.01	.01	.00	0.	*	1		1712	173	.02	.00	.01	0.
1		0512	53	.02	.02	.00	0.	*	1		1718	174	.02	.00	.01	1.
1		0518	54	.01	.01	.00	0.	*	1		1724	175	.02	.00	.01	1.
1		0524	55	.02	.02	.00	0.	*	1		1730	176	.01	.00	.01	1.
1		0530	56	.01	.01	.00	0.	*	1		1736	177	.02	.00	.01	0.
1		0536	57	.02	.02	.00	0.	*	1		1742	178	.02	.00	.01	0.
1		0542	58	.01	.01	.00	0.	*	1		1748	179	.01	.00	.01	0.
1		0548	59	.02	.02	.00	0.	*	1		1754	180	.02	.00	.01	0.
1		0554	60	.01	.01	.00	0.	*	1		1800	181	.02	.00	.01	0.
1		0600	61	.02	.02	.00	0.	*	1		1806	182	.01	.00	.01	0.
1		0606	62	.02	.02	.00	0.	*	1		1812	183	.02	.00	.01	0.
1		0612	63	.01	.01	.00	0.	*	1		1818	184	.01	.00	.01	0.
1		0618	64	.02	.02	.00	0.	*	1		1824	185	.02	.00	.01	0.
1		0624	65	.02	.02	.00	0.	*	1		1830	186	.01	.00	.01	0.
1		0630	66	.01	.01	.00	0.	*	1		1836	187	.02	.00	.01	0.
1		0636	67	.02	.02	.00	0.	*	1		1842	188	.01	.00	.01	0.
1		0642	68	.02	.02	.00	0.	*	1		1848	189	.02	.00	.01	0.
1		0648	69	.01	.01	.00	0.	*	1		1854	190	.01	.00	.01	0.
1		0654	70	.02	.02	.00	0.	*	1		1900	191	.02	.00	.01	0.
1		0700	71	.02	.02	.00	0.	*	1		1906	192	.01	.00	.01	0.
1		0706	72	.02	.02	.00	0.	*	1		1912	193	.01	.00	.01	0.
1		0712	73	.02	.02	.00	0.	*	1		1918	194	.02	.00	.01	0.
1		0718	74	.02	.02	.00	0.	*	1		1924	195	.01	.00	.01	0.
1		0724	75	.02	.02	.00	0.	*	1		1930	196	.02	.00	.01	0.
1		0730	76	.02	.02	.00	0.	*	1		1936	197	.01	.00	.01	0.
1		0736	77	.02	.02	.00	0.	*	1		1942	198	.01	.00	.01	0.
1		0742	78	.02	.02	.00	0.	*	1		1948	199	.02	.00	.01	0.
1		0748	79	.02	.02	.00	0.	*	1		1954	200	.01	.00	.01	0.
1		0754	80	.02	.02	.00	0.	*	1		2000	201	.01	.00	.01	0.
1		0800	81	.02	.02	.00	0.	*	1		2006	202	.01	.00	.01	0.
1		0806	82	.02	.02	.00	0.	*	1		2012	203	.02	.00	.01	0.
1		0812	83	.02	.02	.00	0.	*	1		2018	204	.01	.00	.01	0.
1		0818	84	.02	.02	.00	0.	*	1		2024	205	.01	.00	.01	0.
1		0824	85	.02	.02	.00	0.	*	1		2030	206	.01	.00	.01	0.

1	0830	86	.02	.02	.00	0.	*	1	2036	207	.02	.00	.01	0.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	0.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	0.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	0.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	0.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.02	.00	.01	0.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	0.
1	0912	93	.03	.03	.01	0.	*	1	2118	214	.01	.00	.01	0.
1	0918	94	.03	.03	.01	0.	*	1	2124	215	.01	.00	.01	0.
1	0924	95	.03	.03	.01	0.	*	1	2130	216	.01	.00	.01	0.
1	0930	96	.03	.03	.01	0.	*	1	2136	217	.01	.00	.01	0.
1	0936	97	.03	.03	.01	0.	*	1	2142	218	.01	.00	.01	0.
1	0942	98	.04	.03	.01	0.	*	1	2148	219	.01	.00	.01	0.
1	0948	99	.03	.02	.01	0.	*	1	2154	220	.01	.00	.01	0.
1	0954	100	.04	.03	.01	0.	*	1	2200	221	.02	.00	.01	0.
1	1000	101	.03	.02	.01	0.	*	1	2206	222	.01	.00	.01	0.
1	1006	102	.04	.03	.01	0.	*	1	2212	223	.01	.00	.01	0.
1	1012	103	.04	.03	.01	0.	*	1	2218	224	.01	.00	.01	0.
1	1018	104	.05	.03	.01	0.	*	1	2224	225	.01	.00	.01	0.
1	1024	105	.04	.03	.01	1.	*	1	2230	226	.01	.00	.01	0.
1	1030	106	.05	.03	.02	1.	*	1	2236	227	.01	.00	.01	0.
1	1036	107	.05	.03	.02	1.	*	1	2242	228	.01	.00	.01	0.
1	1042	108	.05	.03	.02	1.	*	1	2248	229	.01	.00	.01	0.
1	1048	109	.06	.04	.02	1.	*	1	2254	230	.01	.00	.01	0.
1	1054	110	.06	.03	.02	1.	*	1	2300	231	.01	.00	.01	0.
1	1100	111	.06	.04	.03	1.	*	1	2306	232	.01	.00	.01	0.
1	1106	112	.06	.04	.03	1.	*	1	2312	233	.01	.00	.01	0.
1	1112	113	.06	.04	.03	1.	*	1	2318	234	.01	.00	.01	0.
1	1118	114	.08	.05	.03	1.	*	1	2324	235	.01	.00	.01	0.
1	1124	115	.09	.05	.04	1.	*	1	2330	236	.01	.00	.01	0.
1	1130	116	.09	.05	.04	1.	*	1	2336	237	.01	.00	.01	0.
1	1136	117	.11	.06	.05	2.	*	1	2342	238	.01	.00	.01	0.
1	1142	118	.13	.06	.07	2.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.28	.13	.15	3.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.42	.17	.25	5.	*	2	0000	241	.01	.00	.01	0.
1	1200	121	.67	.23	.44	9.	*							

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   TOTAL RAINFALL =    8.00, TOTAL LOSS =    3.42, TOTAL EXCESS =    4.58

  PEAK FLOW      TIME                        MAXIMUM AVERAGE FLOW
                                   6-HR       24-HR         72-HR       24.00-HR
+  (CFS)         (HR)
                         (CFS)
+    15.        12.20                 3.          1.           1.           1.
                         (INCHES)  3.729       4.567        4.567        4.567
                         (AC-FT)      1.          2.           2.           2.

                         CUMULATIVE AREA =     .01 SQ MI
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1                                                        STATION    SUB D

                        (O) OUTFLOW
        0.        2.        4.        6.        8.       10.       12.       14.       16.        0.        0.        0.        0.
                                                                                                  (L) PRECIP,  (X) EXCESS
        .0        .0        .0        .0        .0        .0        .0        .0        .8        .6        .4        .2        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
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10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .       LL.
10842  88.O        .         .         .         .         .         .         .         .         .         .         .        L.
10848  89.O        .         .         .         .         .         .         .         .         .         .         .        L.
10854  90.O        .         .         .         .         .         .         .         .         .         .         .       LL.
10900  91.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  92.O        .         .         .         .         .         .         .         .         .         .         .        L.
10912  93.O        .         .         .         .         .         .         .         .         .         .         .       LL.
10918  94.O        .         .         .         .         .         .         .         .         .         .         .       LL.
10924  95.O        .         .         .         .         .         .         .         .         .         .         .       LL.
10930  96.O        .         .         .         .         .         .         .         .         .         .         .       LL.
10936  97.O        .         .         .         .         .         .         .         .         .         .         .       LL.
10942  98.O        .         .         .         .         .         .         .         .         .         .         .       LL.
10948  99. O       .         .         .         .         .         .         .         .         .         .         .       LL.
10954 100. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11000 101. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 102. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11012 103. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11018 104. O       .         .         .         .         .         .         .         .         .         .         .       LX.
11024 105.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11030 106.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11036 107.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11042 108.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11048 109.  O      .         .         .         .         .         .         .         .         .         .         .      LLX.
11054 110.   O     .         .         .         .         .         .         .         .         .         .         .      LLX.
11100 111. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.    O    .         .         .         .         .         .         .         .         .         .         .      LLX.
11112 113.    O    .         .         .         .         .         .         .         .         .         .         .      LLX.
11118 114.    O    .         .         .         .         .         .         .         .         .         .         .     LLXX.
11124 115.     O   .         .         .         .         .         .         .         .         .         .         .     LLXX.
11130 116.      O  .         .         .         .         .         .         .         .         .         .         .     LLXX.
11136 117.       O .         .         .         .         .         .         .         .         .         .         .   LLLXXX.
11142 118.         O         .         .         .         .         .         .         .         .         .         .   LLLXXX.
11148 119.         .   O     .         .         .         .         .         .         .         .     LLLLLLXXXXXXXX.
11154 120.         .         .    O    .         .         .         .         .         .        LLLLLLLLXXXXXXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . LLLLLLLLLLLLXXXXXXXXXXXXXXXXXXXXXX.
11206 122.         .         .         .         .         .         .    O    .      O  .     LLLLLLLLLLXXXXXXXXXXXXXXXXXXXXXXXX.
11212 123.         .         .         .         .         .         .         .      O  .         .       LLLLLLXXXXXXXXXXXXXXXX.
11218 124.         .         .         .         .         .         .         .O        .         .         .     LLLXXXXXXXXXXX.
11224 125.         .         .         .         .         .    O    .         .         .         .         .   LXXXXX.
11230 126.         .         .         .       O .         .         .         .         .         .         .    LXXXX.
11236 127.         .         .     O   .         .         .         .         .         .         .         .    LXXXX.
11242 128.         .         O         .         .         .         .         .         .         .         .     LXXX.
11248 129.         .      O  .         .         .         .         .         .         .         .         .     LXXX.
11254 130.         .   O     .         .         .         .         .         .         .         .         .     LXXX.
11300 131. . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .XXX.
11306 132.         .O        .         .         .         .         .         .         .         .         .      LXX.
11312 133.         O         .         .         .         .         .         .         .         .         .      XXX.
11318 134.         O         .         .         .         .         .         .         .         .         .       XX.
11324 135.        O.         .         .         .         .         .         .         .         .         .      LXX.
11330 136.        O.         .         .         .         .         .         .         .         .         .       XX.
11336 137.       O .         .         .         .         .         .         .         .         .         .       XX.
11342 138.       O .         .         .         .         .         .         .         .         .         .       XX.
11348 139.       O .         .         .         .         .         .         .         .         .         .       XX.
11354 140.      O  .         .         .         .         .         .         .         .         .         .       XX.
11400 141. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11406 142.      O  .         .         .         .         .         .         .         .         .         .       XX.
11412 143.      O  .         .         .         .         .         .         .         .         .         .       XX.
11418 144.      O  .         .         .         .         .         .         .         .         .         .       LX.
11424 145.     O   .         .         .         .         .         .         .         .         .         .       LX.
11430 146.     O   .         .         .         .         .         .         .         .         .         .       XX.
11436 147.     O   .         .         .         .         .         .         .         .         .         .       LX.
11442 148.     O   .         .         .         .         .         .         .         .         .         .       LX.
11448 149.    O    .         .         .         .         .         .         .         .         .         .        X.
11454 150.    O    .         .         .         .         .         .         .         .         .         .       LX.
11500 151. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11506 152.    O    .         .         .         .         .         .         .         .         .         .       LX.
11512 153.    O    .         .         .         .         .         .         .         .         .         .        X.
11518 154.    O    .         .         .         .         .         .         .         .         .         .       LX.
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11524 155.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.    O    .         .         .         .         .         .         .         .         .         .         .       LX.
11542 158.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11654 170.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11700 171. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O       .         .         .         .         .         .         .         .         .         .         .        X.
11712 173. O       .         .         .         .         .         .         .         .         .         .         .        X.
11718 174.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11724 175.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11730 176.  O      .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O       .         .         .         .         .         .         .         .         .         .         .        X.
11742 178. O       .         .         .         .         .         .         .         .         .         .         .        X.
11748 179. O       .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O       .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182. O       .         .         .         .         .         .         .         .         .         .         .         .
11812 183. O       .         .         .         .         .         .         .         .         .         .         .        X.
11818 184. O       .         .         .         .         .         .         .         .         .         .         .         .
11824 185. O       .         .         .         .         .         .         .         .         .         .         .        X.
11830 186. O       .         .         .         .         .         .         .         .         .         .         .         .
11836 187. O       .         .         .         .         .         .         .         .         .         .         .        X.
11842 188. O       .         .         .         .         .         .         .         .         .         .         .         .
11848 189. O       .         .         .         .         .         .         .         .         .         .         .        X.
11854 190. O       .         .         .         .         .         .         .         .         .         .         .         .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192. O       .         .         .         .         .         .         .         .         .         .         .         .
11912 193. O       .         .         .         .         .         .         .         .         .         .         .         .
11918 194. O       .         .         .         .         .         .         .         .         .         .         .        X.
11924 195. O       .         .         .         .         .         .         .         .         .         .         .         .
11930 196. O       .         .         .         .         .         .         .         .         .         .         .        X.
11936 197. O       .         .         .         .         .         .         .         .         .         .         .         .
11942 198. O       .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O       .         .         .         .         .         .         .         .         .         .         .        X.
11954 200. O       .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O       .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .        X.
12018 204. O       .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O       .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O       .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .        X.
12042 208. O       .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O       .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O       .         .         .         .         .         .         .         .         .         .         .         .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .        X.
12112 213. O       .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216.O        .         .         .         .         .         .         .         .         .         .         .         .
12136 217.O        .         .         .         .         .         .         .         .         .         .         .         .
12142 218.O        .         .         .         .         .         .         .         .         .         .         .         .
12148 219.O        .         .         .         .         .         .         .         .         .         .         .         .
12154 220.O        .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O       .         .         .         .         .         .         .         .         .         .         .         .
12224 225.O        .         .         .         .         .         .         .         .         .         .         .         .
12230 226.O        .         .         .         .         .         .         .         .         .         .         .         .
12236 227.O        .         .         .         .         .         .         .         .         .         .         .         .
12242 228.O        .         .         .         .         .         .         .         .         .         .         .         .
12248 229.O        .         .         .         .         .         .         .         .         .         .         .         .
12254 230.O        .         .         .         .         .         .         .         .         .         .         .         .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O        .         .         .         .         .         .         .         .         .         .         .         .
12312 233.O        .         .         .         .         .         .         .         .         .         .         .         .
12318 234.O        .         .         .         .         .         .         .         .         .         .         .         .
12324 235.O        .         .         .         .         .         .         .         .         .         .         .         .
12330 236.O        .         .         .         .         .         .         .         .         .         .         .         .
12336 237.O        .         .         .         .         .         .         .         .         .         .         .         .
12342 238.O        .         .         .         .         .         .         .         .         .         .         .         .
12348 239.O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240.O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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            *            *
102 KK      *   COMB2    *       COMBINE FLOWS FROM COMB1, SUB C & SUB D
            *            *
            **************

104 KO           OUTPUT CONTROL VARIABLES
                      IPRNT          2  PRINT CONTROL
                      IPLOT          2  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE

105 HC           HYDROGRAPH COMBINATION
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CALIFONHYDROLOGY

ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

***

HYDROGRAPH AT STATION COMB2
SUM OF 3 HYDROGRAPHS
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	15.	1		1818	184	2.
1		0006	2	0.	1		0612	63	0.	1		1218	124	16.	1		1824	185	2.
1		0012	3	0.	1		0618	64	0.	1		1224	125	17.	1		1830	186	2.
1		0018	4	0.	1		0624	65	0.	1		1230	126	18.	1		1836	187	2.
1		0024	5	0.	1		0630	66	0.	1		1236	127	19.	1		1842	188	2.
1		0030	6	0.	1		0636	67	0.	1		1242	128	19.	1		1848	189	2.
1		0036	7	0.	1		0642	68	0.	1		1248	129	18.	1		1854	190	2.
1		0042	8	0.	1		0648	69	0.	1		1254	130	17.	1		1900	191	2.
1		0048	9	0.	1		0654	70	0.	1		1300	131	15.	1		1906	192	2.
1		0054	10	0.	1		0700	71	0.	1		1306	132	13.	1		1912	193	1.
1		0100	11	0.	1		0706	72	0.	1		1312	133	12.	1		1918	194	1.
1		0106	12	0.	1		0712	73	0.	1		1318	134	11.	1		1924	195	1.
1		0112	13	0.	1		0718	74	0.	1		1324	135	10.	1		1930	196	1.
1		0118	14	0.	1		0724	75	0.	1		1330	136	9.	1		1936	197	1.
1		0124	15	0.	1		0730	76	0.	1		1336	137	8.	1		1942	198	1.
1		0130	16	0.	1		0736	77	0.	1		1342	138	7.	1		1948	199	1.
1		0136	17	0.	1		0742	78	0.	1		1348	139	7.	1		1954	200	1.
1		0142	18	0.	1		0748	79	0.	1		1354	140	6.	1		2000	201	1.
1		0148	19	0.	1		0754	80	0.	1		1400	141	6.	1		2006	202	1.
1		0154	20	0.	1		0800	81	0.	1		1406	142	6.	1		2012	203	1.
1		0200	21	0.	1		0806	82	0.	1		1412	143	5.	1		2018	204	1.
1		0206	22	0.	1		0812	83	0.	1		1418	144	5.	1		2024	205	1.
1		0212	23	0.	1		0818	84	0.	1		1424	145	5.	1		2030	206	1.
1		0218	24	0.	1		0824	85	0.	1		1430	146	5.	1		2036	207	1.
1		0224	25	0.	1		0830	86	0.	1		1436	147	5.	1		2042	208	1.
1		0230	26	0.	1		0836	87	0.	1		1442	148	4.	1		2048	209	1.
1		0236	27	0.	1		0842	88	0.	1		1448	149	4.	1		2054	210	1.
1		0242	28	0.	1		0848	89	0.	1		1454	150	4.	1		2100	211	1.
1		0248	29	0.	1		0854	90	0.	1		1500	151	4.	1		2106	212	1.
1		0254	30	0.	1		0900	91	0.	1		1506	152	4.	1		2112	213	1.
1		0300	31	0.	1		0906	92	0.	1		1512	153	4.	1		2118	214	1.
1		0306	32	0.	1		0912	93	0.	1		1518	154	4.	1		2124	215	1.
1		0312	33	0.	1		0918	94	0.	1		1524	155	4.	1		2130	216	1.
1		0318	34	0.	1		0924	95	0.	1		1530	156	3.	1		2136	217	1.
1		0324	35	0.	1		0930	96	0.	1		1536	157	3.	1		2142	218	1.
1		0330	36	0.	1		0936	97	0.	1		1542	158	3.	1		2148	219	1.
1		0336	37	0.	1		0942	98	0.	1		1548	159	3.	1		2154	220	1.
1		0342	38	0.	1		0948	99	0.	1		1554	160	3.	1		2200	221	1.
1		0348	39	0.	1		0954	100	0.	1		1600	161	3.	1		2206	222	1.
1		0354	40	0.	1		1000	101	0.	1		1606	162	3.	1		2212	223	1.
1		0400	41	0.	1		1006	102	0.	1		1612	163	3.	1		2218	224	1.
1		0406	42	0.	1		1012	103	0.	1		1618	164	3.	1		2224	225	1.
1		0412	43	0.	1		1018	104	0.	1		1624	165	3.	1		2230	226	1.
1		0418	44	0.	1		1024	105	0.	1		1630	166	3.	1		2236	227	1.
1		0424	45	0.	1		1030	106	0.	1		1636	167	3.	1		2242	228	1.
1		0430	46	0.	1		1036	107	0.	1		1642	168	3.	1		2248	229	1.
1		0436	47	0.	1		1042	108	0.	1		1648	169	3.	1		2254	230	1.
1		0442	48	0.	1		1048	109	0.	1		1654	170	3.	1		2300	231	1.
1		0448	49	0.	1		1054	110	0.	1		1700	171	3.	1		2306	232	1.
1		0454	50	0.	1		1100	111	0.	1		1706	172	2.	1		2312	233	1.
1		0500	51	0.	1		1106	112	0.	1		1712	173	2.	1		2318	234	1.
1		0506	52	0.	1		1112	113	0.	1		1718	174	2.	1		2324	235	1.
1		0512	53	0.	1		1118	114	0.	1		1724	175	2.	1		2330	236	1.
1		0518	54	0.	1		1124	115	1.	1		1730	176	2.	1		2336	237	1.
1		0524	55	0.	1		1130	116	1.	1		1736	177	2.	1		2342	238	1.
1		0530	56	0.	1		1136	117	1.	1		1742	178	2.	1		2348	239	1.
1		0536	57	0.	1		1142	118	1.	1		1748	179	2.	1		2354	240	1.
1		0542	58	0.	1		1148	119	2.	1		1754	180	2.	2		0000	241	1.
1		0548	59	0.	1		1154	120	4.	1		1800	181	2.					
1		0554	60	0.	1		1200	121	7.	1		1806	182	2.					
1		0600	61	0.	1		1206	122	12.	1		1812	183	2.					

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 19.	12.60		7.	2.	2.	2.
		(INCHES)	1.002	1.224	1.224	1.224
		(AC-FT)	3.	4.	4.	4.

CUMULATIVE AREA = .06 SQ MI

```
1                                                STATION    COMB2

                    (O) OUTFLOW
         0.       2.       4.       6.       8.      10.      12.      14.      16.      18.      20.       0.       0.
DAHRMN PER
 10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9O         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10O         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12O         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13O         .         .         .         .         .         .         .         .         .         .         .         .
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10118  140        .         .         .         .         .         .         .         .         .         .         .         .
10124  150        .         .         .         .         .         .         .         .         .         .         .         .
10130  160        .         .         .         .         .         .         .         .         .         .         .         .
10136  170        .         .         .         .         .         .         .         .         .         .         .         .
10142  180        .         .         .         .         .         .         .         .         .         .         .         .
10148  190        .         .         .         .         .         .         .         .         .         .         .         .
10154  200        .         .         .         .         .         .         .         .         .         .         .         .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220        .         .         .         .         .         .         .         .         .         .         .         .
10212  230        .         .         .         .         .         .         .         .         .         .         .         .
10218  240        .         .         .         .         .         .         .         .         .         .         .         .
10224  250        .         .         .         .         .         .         .         .         .         .         .         .
10230  260        .         .         .         .         .         .         .         .         .         .         .         .
10236  270        .         .         .         .         .         .         .         .         .         .         .         .
10242  280        .         .         .         .         .         .         .         .         .         .         .         .
10248  290        .         .         .         .         .         .         .         .         .         .         .         .
10254  300        .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320        .         .         .         .         .         .         .         .         .         .         .         .
10312  330        .         .         .         .         .         .         .         .         .         .         .         .
10318  340        .         .         .         .         .         .         .         .         .         .         .         .
10324  350        .         .         .         .         .         .         .         .         .         .         .         .
10330  360        .         .         .         .         .         .         .         .         .         .         .         .
10336  370        .         .         .         .         .         .         .         .         .         .         .         .
10342  380        .         .         .         .         .         .         .         .         .         .         .         .
10348  390        .         .         .         .         .         .         .         .         .         .         .         .
10354  400        .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420        .         .         .         .         .         .         .         .         .         .         .         .
10412  430        .         .         .         .         .         .         .         .         .         .         .         .
10418  440        .         .         .         .         .         .         .         .         .         .         .         .
10424  450        .         .         .         .         .         .         .         .         .         .         .         .
10430  460        .         .         .         .         .         .         .         .         .         .         .         .
10436  470        .         .         .         .         .         .         .         .         .         .         .         .
10442  480        .         .         .         .         .         .         .         .         .         .         .         .
10448  490        .         .         .         .         .         .         .         .         .         .         .         .
10454  500        .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10506  520        .         .         .         .         .         .         .         .         .         .         .         .
10512  530        .         .         .         .         .         .         .         .         .         .         .         .
10518  540        .         .         .         .         .         .         .         .         .         .         .         .
10524  550        .         .         .         .         .         .         .         .         .         .         .         .
10530  560        .         .         .         .         .         .         .         .         .         .         .         .
10536  570        .         .         .         .         .         .         .         .         .         .         .         .
10542  580        .         .         .         .         .         .         .         .         .         .         .         .
10548  590        .         .         .         .         .         .         .         .         .         .         .         .
10554  600        .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  620        .         .         .         .         .         .         .         .         .         .         .         .
10612  630        .         .         .         .         .         .         .         .         .         .         .         .
10618  640        .         .         .         .         .         .         .         .         .         .         .         .
10624  650        .         .         .         .         .         .         .         .         .         .         .         .
10630  660        .         .         .         .         .         .         .         .         .         .         .         .
10636  670        .         .         .         .         .         .         .         .         .         .         .         .
10642  680        .         .         .         .         .         .         .         .         .         .         .         .
10648  690        .         .         .         .         .         .         .         .         .         .         .         .
10654  700        .         .         .         .         .         .         .         .         .         .         .         .
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10706  720        .         .         .         .         .         .         .         .         .         .         .         .
10712  730        .         .         .         .         .         .         .         .         .         .         .         .
10718  740        .         .         .         .         .         .         .         .         .         .         .         .
10724  750        .         .         .         .         .         .         .         .         .         .         .         .
10730  760        .         .         .         .         .         .         .         .         .         .         .         .
10736  770        .         .         .         .         .         .         .         .         .         .         .         .
10742  780        .         .         .         .         .         .         .         .         .         .         .         .
10748  790        .         .         .         .         .         .         .         .         .         .         .         .
10754  800        .         .         .         .         .         .         .         .         .         .         .         .
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  820        .         .         .         .         .         .         .         .         .         .         .         .
10812  830        .         .         .         .         .         .         .         .         .         .         .         .
10818  840        .         .         .         .         .         .         .         .         .         .         .         .
10824  850        .         .         .         .         .         .         .         .         .         .         .         .
10830  860        .         .         .         .         .         .         .         .         .         .         .         .
10836  870        .         .         .         .         .         .         .         .         .         .         .         .
10842  880        .         .         .         .         .         .         .         .         .         .         .         .
10848  890        .         .         .         .         .         .         .         .         .         .         .         .
10854  900        .         .         .         .         .         .         .         .         .         .         .         .
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  920        .         .         .         .         .         .         .         .         .         .         .         .
10912  930        .         .         .         .         .         .         .         .         .         .         .         .
10918  940        .         .         .         .         .         .         .         .         .         .         .         .
10924  950        .         .         .         .         .         .         .         .         .         .         .         .
10930  960        .         .         .         .         .         .         .         .         .         .         .         .
10936  970        .         .         .         .         .         .         .         .         .         .         .         .
10942  980        .         .         .         .         .         .         .         .         .         .         .         .
10948  990        .         .         .         .         .         .         .         .         .         .         .         .
10954 1000        .         .         .         .         .         .         .         .         .         .         .         .
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 1020        .         .         .         .         .         .         .         .         .         .         .         .
11012 1030        .         .         .         .         .         .         .         .         .         .         .         .
11018 1040        .         .         .         .         .         .         .         .         .         .         .         .
11024 1050        .         .         .         .         .         .         .         .         .         .         .         .
11030 1060        .         .         .         .         .         .         .         .         .         .         .         .
11036 107.o       .         .         .         .         .         .         .         .         .         .         .         .
11042 108.o       .         .         .         .         .         .         .         .         .         .         .         .
11048 109.o       .         .         .         .         .         .         .         .         .         .         .         .
11054 110.o       .         .         .         .         .         .         .         .         .         .         .         .
11100 111.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112.o       .         .         .         .         .         .         .         .         .         .         .         .
11112 113. o      .         .         .         .         .         .         .         .         .         .         .         .
11118 114. o      .         .         .         .         .         .         .         .         .         .         .         .
11124 115.  o     .         .         .         .         .         .         .         .         .         .         .         .
11130 116.  o     .         .         .         .         .         .         .         .         .         .         .         .
11136 117.   o    .         .         .         .         .         .         .         .         .         .         .         .
11142 118.    o   .         .         .         .         .         .         .         .         .         .         .         .
11148 119.        o         .         .         .         .         .         .         .         .         .         .         .
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11154 120.         .        O.         .         .         .         .         .         .         .         .         .         .
11200 121. . . . . . . . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         .         .         .         .         .        O.         .         .         .         .         .         .
11212 123.         .         .         .         .         .         .         .  O      .         .         .         .         .
11218 124.         .         .         .         .         .         .         .         . O       .         .         .         .
11224 125.         .         .         .         .         .         .         .         .      O  .         .         .         .
11230 126.         .         .         .         .         .         .         .         .         . O       .         .         .
11236 127.         .         .         .         .         .         .         .         .         .    O    .         .         .
11242 128.         .         .         .         .         .         .         .         .         .   O     .         .         .
11248 129.         .         .         .         .         .         .         .         .         O         .         .         .
11254 130.         .         .         .         .         .         .         .         .  O      .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .         .         .         .    O    .         .         .         .         .         .
11312 133.         .         .         .         .         .        O.         .         .         .         .         .         .
11318 134.         .         .         .         .         .  O      .         .         .         .         .         .         .
11324 135.         .         .         .         .       O .         .         .         .         .         .         .         .
11330 136.         .         .         .         .   O     .         .         .         .         .         .         .         .
11336 137.         .         .         .         O         .         .         .         .         .         .         .         .
11342 138.         .         .         .      O  .         .         .         .         .         .         .         .         .
11348 139.         .         .         .   O     .         .         .         .         .         .         .         .         .
11354 140.         .         .         . O       .         .         .         .         .         .         .         .         .
11400 141. . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .         .        O.         .         .         .         .         .         .         .         .         .
11412 143.         .         .      O  .         .         .         .         .         .         .         .         .         .
11418 144.         .         .     O   .         .         .         .         .         .         .         .         .         .
11424 145.         .         .    O    .         .         .         .         .         .         .         .         .         .
11430 146.         .         .   O     .         .         .         .         .         .         .         .         .         .
11436 147.         .         .  O      .         .         .         .         .         .         .         .         .         .
11442 148.         .         . O       .         .         .         .         .         .         .         .         .         .
11448 149.         .         .O        .         .         .         .         .         .         .         .         .         .
11454 150.         .         .O        .         .         .         .         .         .         .         .         .         .
11500 151. . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.         .         O         .         .         .         .         .         .         .         .         .         .
11512 153.         .        O.         .         .         .         .         .         .         .         .         .         .
11518 154.         .        O.         .         .         .         .         .         .         .         .         .         .
11524 155.         .       O .         .         .         .         .         .         .         .         .         .         .
11530 156.         .      O  .         .         .         .         .         .         .         .         .         .         .
11536 157.         .      O  .         .         .         .         .         .         .         .         .         .         .
11542 158.         .      O  .         .         .         .         .         .         .         .         .         .         .
11548 159.         .      O  .         .         .         .         .         .         .         .         .         .         .
11554 160.         .     O   .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.         .     O   .         .         .         .         .         .         .         .         .         .         .
11612 163.         .    O    .         .         .         .         .         .         .         .         .         .         .
11618 164.         .    O    .         .         .         .         .         .         .         .         .         .         .
11624 165.         .    O    .         .         .         .         .         .         .         .         .         .         .
11630 166.         .    O    .         .         .         .         .         .         .         .         .         .         .
11636 167.         .   O     .         .         .         .         .         .         .         .         .         .         .
11642 168.         .   O     .         .         .         .         .         .         .         .         .         .         .
11648 169.         .   O     .         .         .         .         .         .         .         .         .         .         .
11654 170.         .  O      .         .         .         .         .         .         .         .         .         .         .
11700 171. . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.         . O       .         .         .         .         .         .         .         .         .         .         .
11712 173.         . O       .         .         .         .         .         .         .         .         .         .         .
11718 174.         .O        .         .         .         .         .         .         .         .         .         .         .
11724 175.         .O        .         .         .         .         .         .         .         .         .         .         .
11730 176.         O         .         .         .         .         .         .         .         .         .         .         .
11736 177.         O         .         .         .         .         .         .         .         .         .         .         .
11742 178.         O         .         .         .         .         .         .         .         .         .         .         .
11748 179.        O.         .         .         .         .         .         .         .         .         .         .         .
11754 180.        O.         .         .         .         .         .         .         .         .         .         .         .
11800 181. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.        O.         .         .         .         .         .         .         .         .         .         .         .
11812 183.        O.         .         .         .         .         .         .         .         .         .         .         .
11818 184.       O .         .         .         .         .         .         .         .         .         .         .         .
11824 185.       O .         .         .         .         .         .         .         .         .         .         .         .
11830 186.       O .         .         .         .         .         .         .         .         .         .         .         .
11836 187.       O .         .         .         .         .         .         .         .         .         .         .         .
11842 188.       O .         .         .         .         .         .         .         .         .         .         .         .
11848 189.       O .         .         .         .         .         .         .         .         .         .         .         .
11854 190.       O .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.       O .         .         .         .         .         .         .         .         .         .         .         .
11912 193.      O  .         .         .         .         .         .         .         .         .         .         .         .
11918 194.      O  .         .         .         .         .         .         .         .         .         .         .         .
11924 195.      O  .         .         .         .         .         .         .         .         .         .         .         .
11930 196.      O  .         .         .         .         .         .         .         .         .         .         .         .
11936 197.      O  .         .         .         .         .         .         .         .         .         .         .         .
11942 198.      O  .         .         .         .         .         .         .         .         .         .         .         .
11948 199.      O  .         .         .         .         .         .         .         .         .         .         .         .
11954 200.      O  .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.      O  .         .         .         .         .         .         .         .         .         .         .         .
12012 203.      O  .         .         .         .         .         .         .         .         .         .         .         .
12018 204.      O  .         .         .         .         .         .         .         .         .         .         .         .
12024 205.     O   .         .         .         .         .         .         .         .         .         .         .         .
12030 206.     O   .         .         .         .         .         .         .         .         .         .         .         .
12036 207.      O  .         .         .         .         .         .         .         .         .         .         .         .
12042 208.      O  .         .         .         .         .         .         .         .         .         .         .         .
12048 209.     O   .         .         .         .         .         .         .         .         .         .         .         .
12054 210.     O   .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.     O   .         .         .         .         .         .         .         .         .         .         .         .
12112 213.     O   .         .         .         .         .         .         .         .         .         .         .         .
12118 214.     O   .         .         .         .         .         .         .         .         .         .         .         .
12124 215.     O   .         .         .         .         .         .         .         .         .         .         .         .
12130 216.     O   .         .         .         .         .         .         .         .         .         .         .         .
12136 217.     O   .         .         .         .         .         .         .         .         .         .         .         .
12142 218.     O   .         .         .         .         .         .         .         .         .         .         .         .
12148 219.     O   .         .         .         .         .         .         .         .         .         .         .         .
12154 220.     O   .         .         .         .         .         .         .         .         .         .         .         .
12200 221. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.     O   .         .         .         .         .         .         .         .         .         .         .         .
12212 223.     O   .         .         .         .         .         .         .         .         .         .         .         .
12218 224.     O   .         .         .         .         .         .         .         .         .         .         .         .
12224 225.     O   .         .         .         .         .         .         .         .         .         .         .         .
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 12230 226.    O    .         .         .         .         .         .         .         .         .         .         .         .
 12236 227.    O    .         .         .         .         .         .         .         .         .         .         .         .
 12242 228.    O    .         .         .         .         .         .         .         .         .         .         .         .
 12248 229.    O    .         .         .         .         .         .         .         .         .         .         .         .
 12254 230.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12300 231. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12306 232.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12312 233.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12318 234.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12324 235.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12330 236.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12336 237.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12342 238.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12348 239.   O     .         .         .         .         .         .         .         .         .         .         .         .
 12354 240.   O     .         .         .         .         .         .         .         .         .         .         .         .
 20000 241.----O----.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB2
SUM OF 3 HYDROGRAPHS
PLAN 1, RATIO = .63

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	21.	1		1818	184	2.
1		0006	2	0.	1		0612	63	0.	1		1218	124	24.	1		1824	185	2.
1		0012	3	0.	1		0618	64	0.	1		1224	125	25.	1		1830	186	2.
1		0018	4	0.	1		0624	65	0.	1		1230	126	26.	1		1836	187	2.
1		0024	5	0.	1		0630	66	0.	1		1236	127	27.	1		1842	188	2.
1		0030	6	0.	1		0636	67	0.	1		1242	128	27.	1		1848	189	2.
1		0036	7	0.	1		0642	68	0.	1		1248	129	25.	1		1854	190	2.
1		0042	8	0.	1		0648	69	0.	1		1254	130	23.	1		1900	191	2.
1		0048	9	0.	1		0654	70	0.	1		1300	131	20.	1		1906	192	2.
1		0054	10	0.	1		0700	71	0.	1		1306	132	18.	1		1912	193	2.
1		0100	11	0.	1		0706	72	0.	1		1312	133	16.	1		1918	194	2.
1		0106	12	0.	1		0712	73	0.	1		1318	134	14.	1		1924	195	2.
1		0112	13	0.	1		0718	74	0.	1		1324	135	13.	1		1930	196	2.
1		0118	14	0.	1		0724	75	0.	1		1330	136	12.	1		1936	197	2.
1		0124	15	0.	1		0730	76	0.	1		1336	137	11.	1		1942	198	2.
1		0130	16	0.	1		0736	77	0.	1		1342	138	10.	1		1948	199	2.
1		0136	17	0.	1		0742	78	0.	1		1348	139	9.	1		1954	200	2.
1		0142	18	0.	1		0748	79	0.	1		1354	140	8.	1		2000	201	2.
1		0148	19	0.	1		0754	80	0.	1		1400	141	8.	1		2006	202	2.
1		0154	20	0.	1		0800	81	0.	1		1406	142	8.	1		2012	203	2.
1		0200	21	0.	1		0806	82	0.	1		1412	143	7.	1		2018	204	2.
1		0206	22	0.	1		0812	83	0.	1		1418	144	7.	1		2024	205	2.
1		0212	23	0.	1		0818	84	0.	1		1424	145	6.	1		2030	206	2.
1		0218	24	0.	1		0824	85	0.	1		1430	146	6.	1		2036	207	2.
1		0224	25	0.	1		0830	86	0.	1		1436	147	6.	1		2042	208	2.
1		0230	26	0.	1		0836	87	0.	1		1442	148	6.	1		2048	209	2.
1		0236	27	0.	1		0842	88	0.	1		1448	149	6.	1		2054	210	2.
1		0242	28	0.	1		0848	89	0.	1		1454	150	5.	1		2100	211	2.
1		0248	29	0.	1		0854	90	0.	1		1500	151	5.	1		2106	212	2.
1		0254	30	0.	1		0900	91	0.	1		1506	152	5.	1		2112	213	2.
1		0300	31	0.	1		0906	92	0.	1		1512	153	5.	1		2118	214	2.
1		0306	32	0.	1		0912	93	0.	1		1518	154	5.	1		2124	215	2.
1		0312	33	0.	1		0918	94	0.	1		1524	155	5.	1		2130	216	2.
1		0318	34	0.	1		0924	95	0.	1		1530	156	5.	1		2136	217	2.
1		0324	35	0.	1		0930	96	0.	1		1536	157	5.	1		2142	218	1.
1		0330	36	0.	1		0936	97	0.	1		1542	158	4.	1		2148	219	1.
1		0336	37	0.	1		0942	98	0.	1		1548	159	4.	1		2154	220	1.
1		0342	38	0.	1		0948	99	0.	1		1554	160	4.	1		2200	221	1.
1		0348	39	0.	1		0954	100	0.	1		1600	161	4.	1		2206	222	1.
1		0354	40	0.	1		1000	101	0.	1		1606	162	4.	1		2212	223	1.
1		0400	41	0.	1		1006	102	0.	1		1612	163	4.	1		2218	224	1.
1		0406	42	0.	1		1012	103	0.	1		1618	164	4.	1		2224	225	1.
1		0412	43	0.	1		1018	104	0.	1		1624	165	4.	1		2230	226	1.
1		0418	44	0.	1		1024	105	0.	1		1630	166	4.	1		2236	227	1.
1		0424	45	0.	1		1030	106	0.	1		1636	167	4.	1		2242	228	1.
1		0430	46	0.	1		1036	107	0.	1		1642	168	4.	1		2248	229	1.
1		0436	47	0.	1		1042	108	0.	1		1648	169	4.	1		2254	230	1.
1		0442	48	0.	1		1048	109	0.	1		1654	170	3.	1		2300	231	1.
1		0448	49	0.	1		1054	110	0.	1		1700	171	3.	1		2306	232	1.
1		0454	50	0.	1		1100	111	0.	1		1706	172	3.	1		2312	233	1.
1		0500	51	0.	1		1106	112	1.	1		1712	173	3.	1		2318	234	1.
1		0506	52	0.	1		1112	113	1.	1		1718	174	3.	1		2324	235	1.
1		0512	53	0.	1		1118	114	1.	1		1724	175	3.	1		2330	236	1.
1		0518	54	0.	1		1124	115	1.	1		1730	176	3.	1		2336	237	1.
1		0524	55	0.	1		1130	116	1.	1		1736	177	3.	1		2342	238	1.
1		0530	56	0.	1		1136	117	2.	1		1742	178	2.	1		2348	239	1.
1		0536	57	0.	1		1142	118	2.	1		1748	179	2.	1		2354	240	1.
1		0542	58	0.	1		1148	119	4.	1		1754	180	2.	2		0000	241	1.
1		0548	59	0.	1		1154	120	6.	1		1800	181	2.					
1		0554	60	0.	1		1200	121	11.	1		1806	182	2.					
1		0600	61	0.	1		1206	122	17.	1		1812	183	2.					

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 27.	12.60		9.	3.	3.	3.
		(INCHES)	1.375	1.671	1.671	1.671
		(AC-FT)	4.	5.	5.	5.

CUMULATIVE AREA = .06 SQ MI

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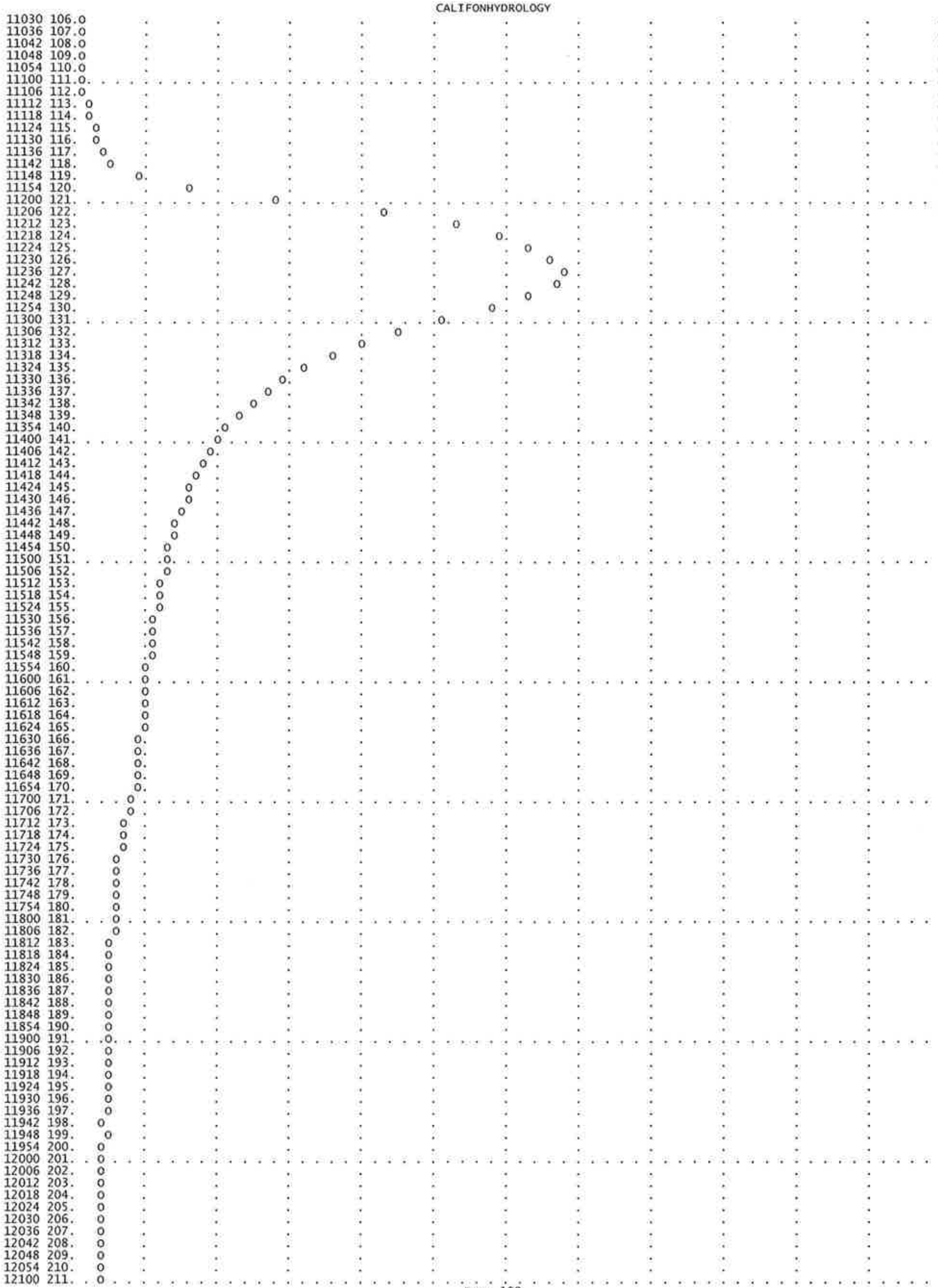
STATION COMB2

(O) OUTFLOW

0. 4. 8. 12. 16. 20. 24. 28. 0. 0. 0. 0. 0.

DAHRMN	PER
10000	10
10006	20
10012	30
10018	40
10024	50
10030	60
10036	70
10042	80
10048	90
10054	100
10100	110
10106	120
10112	130
10118	140
10124	150
10130	160
10136	170
10142	180
10148	190
10154	200
10200	210
10206	220
10212	230
10218	240
10224	250
10230	260
10236	270
10242	280
10248	290
10254	300
10300	310
10306	320
10312	330
10318	340
10324	350
10330	360
10336	370
10342	380
10348	390
10354	400
10400	410
10406	420
10412	430
10418	440
10424	450
10430	460
10436	470
10442	480
10448	490
10454	500
10500	510
10506	520
10512	530
10518	540
10524	550
10530	560
10536	570
10542	580
10548	590
10554	600
10600	610
10606	620
10612	630
10618	640
10624	650
10630	660
10636	670
10642	680
10648	690
10654	700
10700	710
10706	720
10712	730
10718	740
10724	750
10730	760
10736	770
10742	780
10748	790
10754	800
10800	810
10806	820
10812	830
10818	840
10824	850
10830	860
10836	870
10842	880
10848	890
10854	900
10900	910
10906	920
10912	930
10918	940
10924	950
10930	960
10936	970
10942	980
10948	990
10954	1000
11000	1010
11006	1020
11012	1030
11018	1040
11024	1050


11030 106.
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
11748 179.
11754 180.
11800 181.
11806 182.
11812 183.
11818 184.
11824 185.
11830 186.
11836 187.
11842 188.
11848 189.
11854 190.
11900 191.
11906 192.
11912 193.
11918 194.
11924 195.
11930 196.
11936 197.
11942 198.
11948 199.
11954 200.
12000 201.
12006 202.
12012 203.
12018 204.
12024 205.
12030 206.
12036 207.
12042 208.
12048 209.
12054 210.
12100 211.

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12106 212.   O    .         .         .         .         .         .         .         .         .         .         .         .
12112 213.   O    .         .         .         .         .         .         .         .         .         .         .         .
12118 214.   O    .         .         .         .         .         .         .         .         .         .         .         .
12124 215.   O    .         .         .         .         .         .         .         .         .         .         .         .
12130 216.   O    .         .         .         .         .         .         .         .         .         .         .         .
12136 217.   O    .         .         .         .         .         .         .         .         .         .         .         .
12142 218.   O    .         .         .         .         .         .         .         .         .         .         .         .
12148 219.   O    .         .         .         .         .         .         .         .         .         .         .         .
12154 220.   O    .         .         .         .         .         .         .         .         .         .         .         .
12200 221. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.   O    .         .         .         .         .         .         .         .         .         .         .         .
12212 223.   O    .         .         .         .         .         .         .         .         .         .         .         .
12218 224.   O    .         .         .         .         .         .         .         .         .         .         .         .
12224 225.   O    .         .         .         .         .         .         .         .         .         .         .         .
12230 226.   O    .         .         .         .         .         .         .         .         .         .         .         .
12236 227.   O    .         .         .         .         .         .         .         .         .         .         .         .
12242 228.   O    .         .         .         .         .         .         .         .         .         .         .         .
12248 229.   O    .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  O     .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  O     .         .         .         .         .         .         .         .         .         .         .         .
12312 233.  O     .         .         .         .         .         .         .         .         .         .         .         .
12318 234.  O     .         .         .         .         .         .         .         .         .         .         .         .
12324 235.  O     .         .         .         .         .         .         .         .         .         .         .         .
12330 236.  O     .         .         .         .         .         .         .         .         .         .         .         .
12336 237.  O     .         .         .         .         .         .         .         .         .         .         .         .
12342 238.  O     .         .         .         .         .         .         .         .         .         .         .         .
12348 239.  O     .         .         .         .         .         .         .         .         .         .         .         .
12354 240.  O     .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--O------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB2
SUM OF 3 HYDROGRAPHS
PLAN 1, RATIO = .76

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	32.	1		1818	184	3.
1		0006	2	0.	1		0612	63	0.	1		1218	124	36.	1		1824	185	3.
1		0012	3	0.	1		0618	64	0.	1		1224	125	39.	1		1830	186	3.
1		0018	4	0.	1		0624	65	0.	1		1230	126	40.	1		1836	187	3.
1		0024	5	0.	1		0630	66	0.	1		1236	127	41.	1		1842	188	3.
1		0030	6	0.	1		0636	67	0.	1		1242	128	40.	1		1848	189	3.
1		0036	7	0.	1		0642	68	0.	1		1248	129	38.	1		1854	190	3.
1		0042	8	0.	1		0648	69	0.	1		1254	130	34.	1		1900	191	3.
1		0048	9	0.	1		0654	70	0.	1		1300	131	30.	1		1906	192	3.
1		0054	10	0.	1		0700	71	0.	1		1306	132	26.	1		1912	193	3.
1		0100	11	0.	1		0706	72	0.	1		1312	133	23.	1		1918	194	3.
1		0106	12	0.	1		0712	73	0.	1		1318	134	21.	1		1924	195	3.
1		0112	13	0.	1		0718	74	0.	1		1324	135	19.	1		1930	196	3.
1		0118	14	0.	1		0724	75	0.	1		1330	136	17.	1		1936	197	2.
1		0124	15	0.	1		0730	76	0.	1		1336	137	15.	1		1942	198	2.
1		0130	16	0.	1		0736	77	0.	1		1342	138	14.	1		1948	199	2.
1		0136	17	0.	1		0742	78	0.	1		1348	139	13.	1		1954	200	2.
1		0142	18	0.	1		0748	79	0.	1		1354	140	12.	1		2000	201	2.
1		0148	19	0.	1		0754	80	0.	1		1400	141	11.	1		2006	202	2.
1		0154	20	0.	1		0800	81	0.	1		1406	142	11.	1		2012	203	2.
1		0200	21	0.	1		0806	82	0.	1		1412	143	10.	1		2018	204	2.
1		0206	22	0.	1		0812	83	0.	1		1418	144	9.	1		2024	205	2.
1		0212	23	0.	1		0818	84	0.	1		1424	145	9.	1		2030	206	2.
1		0218	24	0.	1		0824	85	0.	1		1430	146	9.	1		2036	207	2.
1		0224	25	0.	1		0830	86	0.	1		1436	147	8.	1		2042	208	2.
1		0230	26	0.	1		0836	87	0.	1		1442	148	8.	1		2048	209	2.
1		0236	27	0.	1		0842	88	0.	1		1448	149	8.	1		2054	210	2.
1		0242	28	0.	1		0848	89	0.	1		1454	150	7.	1		2100	211	2.
1		0248	29	0.	1		0854	90	0.	1		1500	151	7.	1		2106	212	2.
1		0254	30	0.	1		0900	91	0.	1		1506	152	7.	1		2112	213	2.
1		0300	31	0.	1		0906	92	0.	1		1512	153	7.	1		2118	214	2.
1		0306	32	0.	1		0912	93	0.	1		1518	154	7.	1		2124	215	2.
1		0312	33	0.	1		0918	94	0.	1		1524	155	6.	1		2130	216	2.
1		0318	34	0.	1		0924	95	0.	1		1530	156	6.	1		2136	217	2.
1		0324	35	0.	1		0930	96	0.	1		1536	157	6.	1		2142	218	2.
1		0330	36	0.	1		0936	97	0.	1		1542	158	6.	1		2148	219	2.
1		0336	37	0.	1		0942	98	0.	1		1548	159	6.	1		2154	220	2.
1		0342	38	0.	1		0948	99	0.	1		1554	160	6.	1		2200	221	2.
1		0348	39	0.	1		0954	100	0.	1		1600	161	6.	1		2206	222	2.
1		0354	40	0.	1		1000	101	0.	1		1606	162	6.	1		2212	223	2.
1		0400	41	0.	1		1006	102	0.	1		1612	163	5.	1		2218	224	2.
1		0406	42	0.	1		1012	103	0.	1		1618	164	5.	1		2224	225	2.
1		0412	43	0.	1		1018	104	0.	1		1624	165	5.	1		2230	226	2.
1		0418	44	0.	1		1024	105	0.	1		1630	166	5.	1		2236	227	2.
1		0424	45	0.	1		1030	106	1.	1		1636	167	5.	1		2242	228	2.
1		0430	46	0.	1		1036	107	1.	1		1642	168	5.	1		2248	229	2.
1		0436	47	0.	1		1042	108	1.	1		1648	169	5.	1		2254	230	2.
1		0442	48	0.	1		1048	109	1.	1		1654	170	5.	1		2300	231	2.
1		0448	49	0.	1		1054	110	1.	1		1700	171	4.	1		2306	232	2.
1		0454	50	0.	1		1100	111	1.	1		1706	172	4.	1		2312	233	2.
1		0500	51	0.	1		1106	112	2.	1		1712	173	4.	1		2318	234	2.
1		0506	52	0.	1		1112	113	2.	1		1718	174	4.	1		2324	235	2.
1		0512	53	0.	1		1118	114	2.	1		1724	175	4.	1		2330	236	2.
1		0518	54	0.	1		1124	115	3.	1		1730	176	4.	1		2336	237	2.
1		0524	55	0.	1		1130	116	3.	1		1736	177	3.	1		2342	238	2.
1		0530	56	0.	1		1136	117	4.	1		1742	178	3.	1		2348	239	2.
1		0536	57	0.	1		1142	118	5.	1		1748	179	3.	1		2354	240	2.
1		0542	58	0.	1		1148	119	7.	1		1754	180	3.	2		0000	241	2.
1		0548	59	0.	1		1154	120	11.	1		1800	181	3.					
1		0554	60	0.	1		1200	121	18.	1		1806	182	3.					
1		0600	61	0.	1		1206	122	27.	1		1812	183	3.					

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                                                                      CALIFONHYDROLOGY
   PEAK FLOW      TIME                                    MAXIMUM AVERAGE FLOW
                                               6-HR         24-HR        72-HR       24.00-HR
+   (CFS)         (HR)
                              (CFS)
+      41.        12.60                         13.           4.           4.            4.
                              (INCHES)        2.012        2.440        2.440         2.440
                              (AC-FT)            7.           8.           8.            8.

                              CUMULATIVE AREA =    .06 SQ MI

1                                                            STATION     COMB2

                              (O) OUTFLOW
            0.        4.        8.       12.       16.       20.       24.       28.       32.       36.       40.       44.        0.
 DAHRMN PER
  10000  10-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
  10006  20       .         .         .         .         .         .         .         .         .         .         .         .
  10012  30       .         .         .         .         .         .         .         .         .         .         .         .
  10018  40       .         .         .         .         .         .         .         .         .         .         .         .
  10024  50       .         .         .         .         .         .         .         .         .         .         .         .
  10030  60       .         .         .         .         .         .         .         .         .         .         .         .
  10036  70       .         .         .         .         .         .         .         .         .         .         .         .
  10042  80       .         .         .         .         .         .         .         .         .         .         .         .
  10048  90       .         .         .         .         .         .         .         .         .         .         .         .
  10054 100       .         .         .         .         .         .         .         .         .         .         .         .
  10100 110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10106 120       .         .         .         .         .         .         .         .         .         .         .         .
  10112 130       .         .         .         .         .         .         .         .         .         .         .         .
  10118 140       .         .         .         .         .         .         .         .         .         .         .         .
  10124 150       .         .         .         .         .         .         .         .         .         .         .         .
  10130 160       .         .         .         .         .         .         .         .         .         .         .         .
  10136 170       .         .         .         .         .         .         .         .         .         .         .         .
  10142 180       .         .         .         .         .         .         .         .         .         .         .         .
  10148 190       .         .         .         .         .         .         .         .         .         .         .         .
  10154 200       .         .         .         .         .         .         .         .         .         .         .         .
  10200 210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10206 220       .         .         .         .         .         .         .         .         .         .         .         .
  10212 230       .         .         .         .         .         .         .         .         .         .         .         .
  10218 240       .         .         .         .         .         .         .         .         .         .         .         .
  10224 250       .         .         .         .         .         .         .         .         .         .         .         .
  10230 260       .         .         .         .         .         .         .         .         .         .         .         .
  10236 270       .         .         .         .         .         .         .         .         .         .         .         .
  10242 280       .         .         .         .         .         .         .         .         .         .         .         .
  10248 290       .         .         .         .         .         .         .         .         .         .         .         .
  10254 300       .         .         .         .         .         .         .         .         .         .         .         .
  10300 310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10306 320       .         .         .         .         .         .         .         .         .         .         .         .
  10312 330       .         .         .         .         .         .         .         .         .         .         .         .
  10318 340       .         .         .         .         .         .         .         .         .         .         .         .
  10324 350       .         .         .         .         .         .         .         .         .         .         .         .
  10330 360       .         .         .         .         .         .         .         .         .         .         .         .
  10336 370       .         .         .         .         .         .         .         .         .         .         .         .
  10342 380       .         .         .         .         .         .         .         .         .         .         .         .
  10348 390       .         .         .         .         .         .         .         .         .         .         .         .
  10354 400       .         .         .         .         .         .         .         .         .         .         .         .
  10400 410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10406 420       .         .         .         .         .         .         .         .         .         .         .         .
  10412 430       .         .         .         .         .         .         .         .         .         .         .         .
  10418 440       .         .         .         .         .         .         .         .         .         .         .         .
  10424 450       .         .         .         .         .         .         .         .         .         .         .         .
  10430 460       .         .         .         .         .         .         .         .         .         .         .         .
  10436 470       .         .         .         .         .         .         .         .         .         .         .         .
  10442 480       .         .         .         .         .         .         .         .         .         .         .         .
  10448 490       .         .         .         .         .         .         .         .         .         .         .         .
  10454 500       .         .         .         .         .         .         .         .         .         .         .         .
  10500 510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10506 520       .         .         .         .         .         .         .         .         .         .         .         .
  10512 530       .         .         .         .         .         .         .         .         .         .         .         .
  10518 540       .         .         .         .         .         .         .         .         .         .         .         .
  10524 550       .         .         .         .         .         .         .         .         .         .         .         .
  10530 560       .         .         .         .         .         .         .         .         .         .         .         .
  10536 570       .         .         .         .         .         .         .         .         .         .         .         .
  10542 580       .         .         .         .         .         .         .         .         .         .         .         .
  10548 590       .         .         .         .         .         .         .         .         .         .         .         .
  10554 600       .         .         .         .         .         .         .         .         .         .         .         .
  10600 610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10606 620       .         .         .         .         .         .         .         .         .         .         .         .
  10612 630       .         .         .         .         .         .         .         .         .         .         .         .
  10618 640       .         .         .         .         .         .         .         .         .         .         .         .
  10624 650       .         .         .         .         .         .         .         .         .         .         .         .
  10630 660       .         .         .         .         .         .         .         .         .         .         .         .
  10636 670       .         .         .         .         .         .         .         .         .         .         .         .
  10642 680       .         .         .         .         .         .         .         .         .         .         .         .
  10648 690       .         .         .         .         .         .         .         .         .         .         .         .
  10654 700       .         .         .         .         .         .         .         .         .         .         .         .
  10700 710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10706 720       .         .         .         .         .         .         .         .         .         .         .         .
  10712 730       .         .         .         .         .         .         .         .         .         .         .         .
  10718 740       .         .         .         .         .         .         .         .         .         .         .         .
  10724 750       .         .         .         .         .         .         .         .         .         .         .         .
  10730 760       .         .         .         .         .         .         .         .         .         .         .         .
  10736 770       .         .         .         .         .         .         .         .         .         .         .         .
  10742 780       .         .         .         .         .         .         .         .         .         .         .         .
  10748 790       .         .         .         .         .         .         .         .         .         .         .         .
  10754 800       .         .         .         .         .         .         .         .         .         .         .         .
  10800 810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10806 820       .         .         .         .         .         .         .         .         .         .         .         .
  10812 830       .         .         .         .         .         .         .         .         .         .         .         .
  10818 840       .         .         .         .         .         .         .         .         .         .         .         .
  10824 850       .         .         .         .         .         .         .         .         .         .         .         .
  10830 860       .         .         .         .         .         .         .         .         .         .         .         .
  10836 870       .         .         .         .         .         .         .         .         .         .         .         .
  10842 880       .         .         .         .         .         .         .         .         .         .         .         .
  10848 890       .         .         .         .         .         .         .         .         .         .         .         .
  10854 900       .         .         .         .         .         .         .         .         .         .         .         .
  10900 910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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10906  92o
10912  93o
10918  94o
10924  95o
10930  96o
10936  97o
10942  98.o
10948  99.o
10954 100.o
11000 101.o
11006 102.o
11012 103.o
11018 104.o
11024 105.o
11030 106.o
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
11748 179.
11754 180.
11800 181.
11806 182.
11812 183.
11818 184.
11824 185.
11830 186.
11836 187.
11842 188.
11848 189.
11854 190.
11900 191.
11906 192.
11912 193.
11918 194.
11924 195.
11930 196.
11936 197.
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11942 198.        O  .         .         .         .         .         .         .         .         .         .         .         .
11948 199.        O  .         .         .         .         .         .         .         .         .         .         .         .
11954 200.        O  .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . .    O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.        O  .         .         .         .         .         .         .         .         .         .         .         .
12012 203.        O  .         .         .         .         .         .         .         .         .         .         .         .
12018 204.        O  .         .         .         .         .         .         .         .         .         .         .         .
12024 205.        O  .         .         .         .         .         .         .         .         .         .         .         .
12030 206.       O   .         .         .         .         .         .         .         .         .         .         .         .
12036 207.        O  .         .         .         .         .         .         .         .         .         .         .         .
12042 208.        O  .         .         .         .         .         .         .         .         .         .         .         .
12048 209.       O   .         .         .         .         .         .         .         .         .         .         .         .
12054 210.       O   .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.       O   .         .         .         .         .         .         .         .         .         .         .         .
12112 213.       O   .         .         .         .         .         .         .         .         .         .         .         .
12118 214.       O   .         .         .         .         .         .         .         .         .         .         .         .
12124 215.       O   .         .         .         .         .         .         .         .         .         .         .         .
12130 216.       O   .         .         .         .         .         .         .         .         .         .         .         .
12136 217.       O   .         .         .         .         .         .         .         .         .         .         .         .
12142 218.       O   .         .         .         .         .         .         .         .         .         .         .         .
12148 219.       O   .         .         .         .         .         .         .         .         .         .         .         .
12154 220.       O   .         .         .         .         .         .         .         .         .         .         .         .
12200 221. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.       O   .         .         .         .         .         .         .         .         .         .         .         .
12212 223.       O   .         .         .         .         .         .         .         .         .         .         .         .
12218 224.       O   .         .         .         .         .         .         .         .         .         .         .         .
12224 225.       O   .         .         .         .         .         .         .         .         .         .         .         .
12230 226.       O   .         .         .         .         .         .         .         .         .         .         .         .
12236 227.       O   .         .         .         .         .         .         .         .         .         .         .         .
12242 228.       O   .         .         .         .         .         .         .         .         .         .         .         .
12248 229.       O   .         .         .         .         .         .         .         .         .         .         .         .
12254 230.       O   .         .         .         .         .         .         .         .         .         .         .         .
12300 231. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.       O   .         .         .         .         .         .         .         .         .         .         .         .
12312 233.      O    .         .         .         .         .         .         .         .         .         .         .         .
12318 234.      O    .         .         .         .         .         .         .         .         .         .         .         .
12324 235.      O    .         .         .         .         .         .         .         .         .         .         .         .
12330 236.      O    .         .         .         .         .         .         .         .         .         .         .         .
12336 237.      O    .         .         .         .         .         .         .         .         .         .         .         .
12342 238.      O    .         .         .         .         .         .         .         .         .         .         .         .
12348 239.      O    .         .         .         .         .         .         .         .         .         .         .         .
12354 240.      O    .         .         .         .         .         .         .         .         .         .         .         .
20000 241.---O-----.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB2
SUM OF 3 HYDROGRAPHS
PLAN 1, RATIO = .88

DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW
1	0000	1	0.	1	0606	62	0.	1	1212	123	42.	1	1818	184	3.
1	0006	2	0.	1	0612	63	0.	1	1218	124	47.	1	1824	185	3.
1	0012	3	0.	1	0618	64	0.	1	1224	125	50.	1	1830	186	3.
1	0018	4	0.	1	0624	65	0.	1	1230	126	53.	1	1836	187	3.
1	0024	5	0.	1	0630	66	0.	1	1236	127	53.	1	1842	188	3.
1	0030	6	0.	1	0636	67	0.	1	1242	128	52.	1	1848	189	3.
1	0036	7	0.	1	0642	68	0.	1	1248	129	49.	1	1854	190	3.
1	0042	8	0.	1	0648	69	0.	1	1254	130	44.	1	1900	191	3.
1	0048	9	0.	1	0654	70	0.	1	1300	131	39.	1	1906	192	3.
1	0054	10	0.	1	0700	71	0.	1	1306	132	34.	1	1912	193	3.
1	0100	11	0.	1	0706	72	0.	1	1312	133	30.	1	1918	194	3.
1	0106	12	0.	1	0712	73	0.	1	1318	134	26.	1	1924	195	3.
1	0112	13	0.	1	0718	74	0.	1	1324	135	23.	1	1930	196	3.
1	0118	14	0.	1	0724	75	0.	1	1330	136	21.	1	1936	197	3.
1	0124	15	0.	1	0730	76	0.	1	1336	137	19.	1	1942	198	3.
1	0130	16	0.	1	0736	77	0.	1	1342	138	17.	1	1948	199	3.
1	0136	17	0.	1	0742	78	0.	1	1348	139	16.	1	1954	200	3.
1	0142	18	0.	1	0748	79	0.	1	1354	140	15.	1	2000	201	3.
1	0148	19	0.	1	0754	80	0.	1	1400	141	14.	1	2006	202	3.
1	0154	20	0.	1	0800	81	0.	1	1406	142	13.	1	2012	203	3.
1	0200	21	0.	1	0806	82	0.	1	1412	143	12.	1	2018	204	3.
1	0206	22	0.	1	0812	83	0.	1	1418	144	12.	1	2024	205	3.
1	0212	23	0.	1	0818	84	0.	1	1424	145	11.	1	2030	206	3.
1	0218	24	0.	1	0824	85	0.	1	1430	146	11.	1	2036	207	3.
1	0224	25	0.	1	0830	86	0.	1	1436	147	10.	1	2042	208	3.
1	0230	26	0.	1	0836	87	0.	1	1442	148	10.	1	2048	209	3.
1	0236	27	0.	1	0842	88	0.	1	1448	149	9.	1	2054	210	3.
1	0242	28	0.	1	0848	89	0.	1	1454	150	9.	1	2100	211	3.
1	0248	29	0.	1	0854	90	0.	1	1500	151	9.	1	2106	212	3.
1	0254	30	0.	1	0900	91	0.	1	1506	152	9.	1	2112	213	3.
1	0300	31	0.	1	0906	92	0.	1	1512	153	8.	1	2118	214	3.
1	0306	32	0.	1	0912	93	0.	1	1518	154	8.	1	2124	215	2.
1	0312	33	0.	1	0918	94	0.	1	1524	155	8.	1	2130	216	2.
1	0318	34	0.	1	0924	95	0.	1	1530	156	8.	1	2136	217	2.
1	0324	35	0.	1	0930	96	0.	1	1536	157	8.	1	2142	218	2.
1	0330	36	0.	1	0936	97	0.	1	1542	158	7.	1	2148	219	2.
1	0336	37	0.	1	0942	98	0.	1	1548	159	7.	1	2154	220	2.
1	0342	38	0.	1	0948	99	0.	1	1554	160	7.	1	2200	221	2.
1	0348	39	0.	1	0954	100	1.	1	1600	161	7.	1	2206	222	2.
1	0354	40	0.	1	1000	101	1.	1	1606	162	7.	1	2212	223	2.
1	0400	41	0.	1	1006	102	1.	1	1612	163	7.	1	2218	224	2.
1	0406	42	0.	1	1012	103	1.	1	1618	164	7.	1	2224	225	2.
1	0412	43	0.	1	1018	104	1.	1	1624	165	6.	1	2230	226	2.
1	0418	44	0.	1	1024	105	1.	1	1630	166	6.	1	2236	227	2.
1	0424	45	0.	1	1030	106	1.	1	1636	167	6.	1	2242	228	2.
1	0430	46	0.	1	1036	107	1.	1	1642	168	6.	1	2248	229	2.
1	0436	47	0.	1	1042	108	2.	1	1648	169	6.	1	2254	230	2.
1	0442	48	0.	1	1048	109	2.	1	1654	170	6.	1	2300	231	2.
1	0448	49	0.	1	1054	110	2.	1	1700	171	5.	1	2306	232	2.
1	0454	50	0.	1	1100	111	2.	1	1706	172	5.	1	2312	233	2.

1	0500	51	0.	*	1	1106	112	3.	*	1	1712	173	5.	*	1	2318	234	2.
1	0506	52	0.	*	1	1112	113	3.	*	1	1718	174	5.	*	1	2324	235	2.
1	0512	53	0.	*	1	1118	114	4.	*	1	1724	175	5.	*	1	2330	236	2.
1	0518	54	0.	*	1	1124	115	4.	*	1	1730	176	4.	*	1	2336	237	2.
1	0524	55	0.	*	1	1130	116	5.	*	1	1736	177	4.	*	1	2342	238	2.
1	0530	56	0.	*	1	1136	117	6.	*	1	1742	178	4.	*	1	2348	239	2.
1	0536	57	0.	*	1	1142	118	7.	*	1	1748	179	4.	*	1	2354	240	2.
1	0542	58	0.	*	1	1148	119	10.	*	1	1754	180	4.	*	2	0000	241	2.
1	0548	59	0.	*	1	1154	120	15.	*	1	1800	181	4.	*				
1	0554	60	0.	*	1	1200	121	24.	*	1	1806	182	4.	*				
1	0600	61	0.	*	1	1206	122	35.	*	1	1812	183	4.	*				

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*****************************************************************************************************************

  PEAK FLOW     TIME                              MAXIMUM AVERAGE FLOW
                                     6-HR        24-HR       72-HR       24.00-HR
+   (CFS)       (HR)
                            (CFS)
+      53.      12.60                 17.          5.          5.          5.
                          (INCHES)   2.566       3.117       3.117       3.117
                          (AC-FT)      8.         10.         10.         10.

                         CUMULATIVE AREA =     .06 SQ MI

1                                                 STATION     COMB2

                         (O) OUTFLOW
           0.        5.       10.       15.       20.       25.       30.       35.       40.       45.       50.       55.        0.
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20
 10012   30
 10018   40
 10024   50
 10030   60
 10036   70
 10042   80
 10048   90
 10054  100
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120
 10112  130
 10118  140
 10124  150
 10130  160
 10136  170
 10142  180
 10148  190
 10154  200
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220
 10212  230
 10218  240
 10224  250
 10230  260
 10236  270
 10242  280
 10248  290
 10254  300
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320
 10312  330
 10318  340
 10324  350
 10330  360
 10336  370
 10342  380
 10348  390
 10354  400
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420
 10412  430
 10418  440
 10424  450
 10430  460
 10436  470
 10442  480
 10448  490
 10454  500
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506  520
 10512  530
 10518  540
 10524  550
 10530  560
 10536  570
 10542  580
 10548  590
 10554  600
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606  620
 10612  630
 10618  640
 10624  650
 10630  660
 10636  670
 10642  680
 10648  690
 10654  700
 10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10706  720
 10712  730
 10718  740
 10724  750
 10730  760
 10736  770
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10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  850
10830  860
10836  870
10842  880
10848  890
10854  900
10900  910
10906  920
10912  930
10918  940
10924  95.o
10930  96.o
10936  97.o
10942  98.o
10948  99.o
10954 100.o
11000 101.o
11006 102.o
11012 103. o
11018 104. o
11024 105. o
11030 106.  o
11036 107.  o
11042 108.  o
11048 109.   o
11054 110.   o
11100 111.    o
11106 112.     o
11112 113.     o
11118 114.      o
11124 115.       o
11130 116.         o
11136 117.          o
11142 118.            o
11148 119.                  o
11154 120.                             o
11200 121.                                               o
11206 122.                                                                     o
11212 123.                                                                                   o
11218 124.                                                                                              o
11224 125.                                                                                                    o
11230 126.                                                                                                        o
11236 127.                                                                                                          o
11242 128.                                                                                                       o
11248 129.                                                                                                o
11254 130.                                                                                       o
11300 131.                                                                            o
11306 132.                                                                  o
11312 133.                                                          o
11318 134.                                                   o
11324 135.                                              o
11330 136.                                         o
11336 137.                                     o
11342 138.                                  o
11348 139.                               o
11354 140.                             o
11400 141.                           o
11406 142.                         o
11412 143.                        o
11418 144.                      o
11424 145.                     o
11430 146.                    o
11436 147.                    o
11442 148.                   o
11448 149.                  o
11454 150.                 o
11500 151.                 o
11506 152.                o
11512 153.               o
11518 154.               o
11524 155.               o
11530 156.              o
11536 157.              o
11542 158.              o
11548 159.             o
11554 160.             o
11600 161.             o
11606 162.             o
11612 163.            o
11618 164.            o
11624 165.            o
11630 166.           o
11636 167.           o
11642 168.           o
11648 169.           o
11654 170.          o
11700 171.          o
11706 172.         o
11712 173.         o
11718 174.         o
11724 175.        o
11730 176.        o
11736 177.       o
11742 178.       o
11748 179.       o
11754 180.       o
11800 181.       o
11806 182.      o
11812 183.      o
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11818 184.      O  .         .         .         .         .         .         .         .         .         .         .         .
11824 185.      O  .         .         .         .         .         .         .         .         .         .         .         .
11830 186.      O  .         .         .         .         .         .         .         .         .         .         .         .
11836 187.      O  .         .         .         .         .         .         .         .         .         .         .         .
11842 188.      O  .         .         .         .         .         .         .         .         .         .         .         .
11848 189.      O  .         .         .         .         .         .         .         .         .         .         .         .
11854 190.     O   .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.     O   .         .         .         .         .         .         .         .         .         .         .         .
11912 193.     O   .         .         .         .         .         .         .         .         .         .         .         .
11918 194.     O   .         .         .         .         .         .         .         .         .         .         .         .
11924 195.     O   .         .         .         .         .         .         .         .         .         .         .         .
11930 196.     O   .         .         .         .         .         .         .         .         .         .         .         .
11936 197.     O   .         .         .         .         .         .         .         .         .         .         .         .
11942 198.     O   .         .         .         .         .         .         .         .         .         .         .         .
11948 199.     O   .         .         .         .         .         .         .         .         .         .         .         .
11954 200.     O   .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.     O   .         .         .         .         .         .         .         .         .         .         .         .
12012 203.     O'  .         .         .         .         .         .         .         .         .         .         .         .
12018 204.     O   .         .         .         .         .         .         .         .         .         .         .         .
12024 205.    O    .         .         .         .         .         .         .         .         .         .         .         .
12030 206.    O    .         .         .         .         .         .         .         .         .         .         .         .
12036 207.     O   .         .         .         .         .         .         .         .         .         .         .         .
12042 208.    O    .         .         .         .         .         .         .         .         .         .         .         .
12048 209.    O    .         .         .         .         .         .         .         .         .         .         .         .
12054 210.    O    .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.    O    .         .         .         .         .         .         .         .         .         .         .         .
12112 213.    O    .         .         .         .         .         .         .         .         .         .         .         .
12118 214.    O    .         .         .         .         .         .         .         .         .         .         .         .
12124 215.    O    .         .         .         .         .         .         .         .         .         .         .         .
12130 216.    O    .         .         .         .         .         .         .         .         .         .         .         .
12136 217.    O    .         .         .         .         .         .         .         .         .         .         .         .
12142 218.    O    .         .         .         .         .         .         .         .         .         .         .         .
12148 219.    O    .         .         .         .         .         .         .         .         .         .         .         .
12154 220.    O    .         .         .         .         .         .         .         .         .         .         .         .
12200 221. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.    O    .         .         .         .         .         .         .         .         .         .         .         .
12212 223.    O    .         .         .         .         .         .         .         .         .         .         .         .
12218 224.    O    .         .         .         .         .         .         .         .         .         .         .         .
12224 225.    O    .         .         .         .         .         .         .         .         .         .         .         .
12230 226.    O    .         .         .         .         .         .         .         .         .         .         .         .
12236 227.    O    .         .         .         .         .         .         .         .         .         .         .         .
12242 228.    O    .         .         .         .         .         .         .         .         .         .         .         .
12248 229.    O    .         .         .         .         .         .         .         .         .         .         .         .
12254 230.   O     .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.   O     .         .         .         .         .         .         .         .         .         .         .         .
12312 233.   O     .         .         .         .         .         .         .         .         .         .         .         .
12318 234.   O     .         .         .         .         .         .         .         .         .         .         .         .
12324 235.   O     .         .         .         .         .         .         .         .         .         .         .         .
12330 236.   O     .         .         .         .         .         .         .         .         .         .         .         .
12336 237.   O     .         .         .         .         .         .         .         .         .         .         .         .
12342 238.   O     .         .         .         .         .         .         .         .         .         .         .         .
12348 239.   O     .         .         .         .         .         .         .         .         .         .         .         .
12354 240.   O     .         .         .         .         .         .         .         .         .         .         .         .
20000 241.---O-----.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB2
SUM OF 3 HYDROGRAPHS
PLAN 1, RATIO = 1.00

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	54.	1		1818	184	4.
1		0006	2	0.	1		0612	63	0.	1		1218	124	60.	1		1824	185	4.
1		0012	3	0.	1		0618	64	0.	1		1224	125	64.	1		1830	186	4.
1		0018	4	0.	1		0624	65	0.	1		1230	126	67.	1		1836	187	4.
1		0024	5	0.	1		0630	66	0.	1		1236	127	68.	1		1842	188	4.
1		0030	6	0.	1		0636	67	0.	1		1242	128	66.	1		1848	189	4.
1		0036	7	0.	1		0642	68	0.	1		1248	129	61.	1		1854	190	4.
1		0042	8	0.	1		0648	69	0.	1		1254	130	55.	1		1900	191	4.
1		0048	9	0.	1		0654	70	0.	1		1300	131	48.	1		1906	192	4.
1		0054	10	0.	1		0700	71	0.	1		1306	132	42.	1		1912	193	4.
1		0100	11	0.	1		0706	72	0.	1		1312	133	37.	1		1918	194	4.
1		0106	12	0.	1		0712	73	0.	1		1318	134	32.	1		1924	195	4.
1		0112	13	0.	1		0718	74	0.	1		1324	135	29.	1		1930	196	4.
1		0118	14	0.	1		0724	75	0.	1		1330	136	26.	1		1936	197	4.
1		0124	15	0.	1		0730	76	0.	1		1336	137	23.	1		1942	198	3.
1		0130	16	0.	1		0736	77	0.	1		1342	138	21.	1		1948	199	4.
1		0136	17	0.	1		0742	78	0.	1		1348	139	20.	1		1954	200	4.
1		0142	18	0.	1		0748	79	0.	1		1354	140	18.	1		2000	201	3.
1		0148	19	0.	1		0754	80	0.	1		1400	141	17.	1		2006	202	3.
1		0154	20	0.	1		0800	81	0.	1		1406	142	16.	1		2012	203	3.
1		0200	21	0.	1		0806	82	0.	1		1412	143	15.	1		2018	204	3.
1		0206	22	0.	1		0812	83	0.	1		1418	144	14.	1		2024	205	3.
1		0212	23	0.	1		0818	84	0.	1		1424	145	13.	1		2030	206	3.
1		0218	24	0.	1		0824	85	0.	1		1430	146	13.	1		2036	207	3.
1		0224	25	0.	1		0830	86	0.	1		1436	147	12.	1		2042	208	3.
1		0230	26	0.	1		0836	87	0.	1		1442	148	12.	1		2048	209	3.
1		0236	27	0.	1		0842	88	0.	1		1448	149	11.	1		2054	210	3.
1		0242	28	0.	1		0848	89	0.	1		1454	150	11.	1		2100	211	3.
1		0248	29	0.	1		0854	90	0.	1		1500	151	11.	1		2106	212	3.
1		0254	30	0.	1		0900	91	0.	1		1506	152	10.	1		2112	213	3.
1		0300	31	0.	1		0906	92	0.	1		1512	153	10.	1		2118	214	3.
1		0306	32	0.	1		0912	93	0.	1		1518	154	10.	1		2124	215	3.
1		0312	33	0.	1		0918	94	0.	1		1524	155	9.	1		2130	216	3.
1		0318	34	0.	1		0924	95	1.	1		1530	156	9.	1		2136	217	3.
1		0324	35	0.	1		0930	96	1.	1		1536	157	9.	1		2142	218	3.
1		0330	36	0.	1		0936	97	1.	1		1542	158	9.	1		2148	219	3.

1	0336	37	0.	*	1	0942	98	1.	*	1	1548	159	9.	*	1	2154	220	3.
1	0342	38	0.	*	1	0948	99	1.	*	1	1554	160	8.	*	1	2200	221	3.
1	0348	39	0.	*	1	0954	100	1.	*	1	1600	161	8.	*	1	2206	222	3.
1	0354	40	0.	*	1	1000	101	1.	*	1	1606	162	8.	*	1	2212	223	3.
1	0400	41	0.	*	1	1006	102	1.	*	1	1612	163	8.	*	1	2218	224	3.
1	0406	42	0.	*	1	1012	103	2.	*	1	1618	164	8.	*	1	2224	225	3.
1	0412	43	0.	*	1	1018	104	2.	*	1	1624	165	8.	*	1	2230	226	3.
1	0418	44	0.	*	1	1024	105	2.	*	1	1630	166	7.	*	1	2236	227	3.
1	0424	45	0.	*	1	1030	106	2.	*	1	1636	167	7.	*	1	2242	228	3.
1	0430	46	0.	*	1	1036	107	3.	*	1	1642	168	7.	*	1	2248	229	3.
1	0436	47	0.	*	1	1042	108	3.	*	1	1648	169	7.	*	1	2254	230	3.
1	0442	48	0.	*	1	1048	109	3.	*	1	1654	170	7.	*	1	2300	231	3.
1	0448	49	0.	*	1	1054	110	3.	*	1	1700	171	6.	*	1	2306	232	3.
1	0454	50	0.	*	1	1100	111	4.	*	1	1706	172	6.	*	1	2312	233	3.
1	0500	51	0.	*	1	1106	112	4.	*	1	1712	173	6.	*	1	2318	234	3.
1	0506	52	0.	*	1	1112	113	5.	*	1	1718	174	6.	*	1	2324	235	3.
1	0512	53	0.	*	1	1118	114	5.	*	1	1724	175	6.	*	1	2330	236	3.
1	0518	54	0.	*	1	1124	115	6.	*	1	1730	176	5.	*	1	2336	237	3.
1	0524	55	0.	*	1	1130	116	7.	*	1	1736	177	5.	*	1	2342	238	3.
1	0530	56	0.	*	1	1136	117	8.	*	1	1742	178	5.	*	1	2348	239	2.
1	0536	57	0.	*	1	1142	118	9.	*	1	1748	179	5.	*	1	2354	240	2.
1	0542	58	0.	*	1	1148	119	13.	*	1	1754	180	5.	*	2	0000	241	2.
1	0548	59	0.	*	1	1154	120	20.	*	1	1800	181	5.	*				
1	0554	60	0.	*	1	1200	121	31.	*	1	1806	182	4.	*				
1	0600	61	0.	*	1	1206	122	45.	*	1	1812	183	4.	*				

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***************************************************************************************************************

  PEAK FLOW      TIME                              MAXIMUM AVERAGE FLOW
                                        6-HR         24-HR        72-HR        24.00-HR
+   (CFS)        (HR)
                              (CFS)
+     68.        12.60                   21.           6.           6.            6.
                            (INCHES)    3.207        3.905        3.905         3.905
                            (AC-FT)       10.          13.          13.           13.

                            CUMULATIVE AREA =      .06 SQ MI

1                                                     STATION     COMB2

                             (O) OUTFLOW
            0.        10.        20.        30.        40.        50.        60.        70.        0.        0.        0.        0.        0.
DAHRMN PER
 10000   10-----------.----------.----------.----------.----------.----------.----------.----------.----------.----------.----------.----------.
 10006   20           .          .          .          .          .          .          .          .          .          .          .          .
 10012   30           .          .          .          .          .          .          .          .          .          .          .          .
 10018   40           .          .          .          .          .          .          .          .          .          .          .          .
 10024   50           .          .          .          .          .          .          .          .          .          .          .          .
 10030   60           .          .          .          .          .          .          .          .          .          .          .          .
 10036   70           .          .          .          .          .          .          .          .          .          .          .          .
 10042   80           .          .          .          .          .          .          .          .          .          .          .          .
 10048   90           .          .          .          .          .          .          .          .          .          .          .          .
 10054  100           .          .          .          .          .          .          .          .          .          .          .          .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120           .          .          .          .          .          .          .          .          .          .          .          .
 10112  130           .          .          .          .          .          .          .          .          .          .          .          .
 10118  140           .          .          .          .          .          .          .          .          .          .          .          .
 10124  150           .          .          .          .          .          .          .          .          .          .          .          .
 10130  160           .          .          .          .          .          .          .          .          .          .          .          .
 10136  170           .          .          .          .          .          .          .          .          .          .          .          .
 10142  180           .          .          .          .          .          .          .          .          .          .          .          .
 10148  190           .          .          .          .          .          .          .          .          .          .          .          .
 10154  200           .          .          .          .          .          .          .          .          .          .          .          .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220           .          .          .          .          .          .          .          .          .          .          .          .
 10212  230           .          .          .          .          .          .          .          .          .          .          .          .
 10218  240           .          .          .          .          .          .          .          .          .          .          .          .
 10224  250           .          .          .          .          .          .          .          .          .          .          .          .
 10230  260           .          .          .          .          .          .          .          .          .          .          .          .
 10236  270           .          .          .          .          .          .          .          .          .          .          .          .
 10242  280           .          .          .          .          .          .          .          .          .          .          .          .
 10248  290           .          .          .          .          .          .          .          .          .          .          .          .
 10254  300           .          .          .          .          .          .          .          .          .          .          .          .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320           .          .          .          .          .          .          .          .          .          .          .          .
 10312  330           .          .          .          .          .          .          .          .          .          .          .          .
 10318  340           .          .          .          .          .          .          .          .          .          .          .          .
 10324  350           .          .          .          .          .          .          .          .          .          .          .          .
 10330  360           .          .          .          .          .          .          .          .          .          .          .          .
 10336  370           .          .          .          .          .          .          .          .          .          .          .          .
 10342  380           .          .          .          .          .          .          .          .          .          .          .          .
 10348  390           .          .          .          .          .          .          .          .          .          .          .          .
 10354  400           .          .          .          .          .          .          .          .          .          .          .          .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420           .          .          .          .          .          .          .          .          .          .          .          .
 10412  430           .          .          .          .          .          .          .          .          .          .          .          .
 10418  440           .          .          .          .          .          .          .          .          .          .          .          .
 10424  450           .          .          .          .          .          .          .          .          .          .          .          .
 10430  460           .          .          .          .          .          .          .          .          .          .          .          .
 10436  470           .          .          .          .          .          .          .          .          .          .          .          .
 10442  480           .          .          .          .          .          .          .          .          .          .          .          .
 10448  490           .          .          .          .          .          .          .          .          .          .          .          .
 10454  500           .          .          .          .          .          .          .          .          .          .          .          .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506  520           .          .          .          .          .          .          .          .          .          .          .          .
 10512  530           .          .          .          .          .          .          .          .          .          .          .          .
 10518  540           .          .          .          .          .          .          .          .          .          .          .          .
 10524  550           .          .          .          .          .          .          .          .          .          .          .          .
 10530  560           .          .          .          .          .          .          .          .          .          .          .          .
 10536  570           .          .          .          .          .          .          .          .          .          .          .          .
 10542  580           .          .          .          .          .          .          .          .          .          .          .          .
 10548  590           .          .          .          .          .          .          .          .          .          .          .          .
 10554  600           .          .          .          .          .          .          .          .          .          .          .          .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606  620           .          .          .          .          .          .          .          .          .          .          .          .
 10612  630           .          .          .          .          .          .          .          .          .          .          .          .
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10618  64o         .         .         .         .         .         .         .         .         .         .         .         .
10624  65o         .         .         .         .         .         .         .         .         .         .         .         .
10630  66o         .         .         .         .         .         .         .         .         .         .         .         .
10636  67o         .         .         .         .         .         .         .         .         .         .         .         .
10642  68o         .         .         .         .         .         .         .         .         .         .         .         .
10648  69o         .         .         .         .         .         .         .         .         .         .         .         .
10654  70o         .         .         .         .         .         .         .         .         .         .         .         .
10700  71o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10706  72o         .         .         .         .         .         .         .         .         .         .         .         .
10712  73o         .         .         .         .         .         .         .         .         .         .         .         .
10718  74o         .         .         .         .         .         .         .         .         .         .         .         .
10724  75o         .         .         .         .         .         .         .         .         .         .         .         .
10730  76o         .         .         .         .         .         .         .         .         .         .         .         .
10736  77o         .         .         .         .         .         .         .         .         .         .         .         .
10742  78o         .         .         .         .         .         .         .         .         .         .         .         .
10748  79o         .         .         .         .         .         .         .         .         .         .         .         .
10754  80o         .         .         .         .         .         .         .         .         .         .         .         .
10800  81o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  82o         .         .         .         .         .         .         .         .         .         .         .         .
10812  83o         .         .         .         .         .         .         .         .         .         .         .         .
10818  84o         .         .         .         .         .         .         .         .         .         .         .         .
10824  85o         .         .         .         .         .         .         .         .         .         .         .         .
10830  86o         .         .         .         .         .         .         .         .         .         .         .         .
10836  87o         .         .         .         .         .         .         .         .         .         .         .         .
10842  88o         .         .         .         .         .         .         .         .         .         .         .         .
10848  89o         .         .         .         .         .         .         .         .         .         .         .         .
10854  90o         .         .         .         .         .         .         .         .         .         .         .         .
10900  91o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  92o         .         .         .         .         .         .         .         .         .         .         .         .
10912  93o         .         .         .         .         .         .         .         .         .         .         .         .
10918  94o         .         .         .         .         .         .         .         .         .         .         .         .
10924  95.o        .         .         .         .         .         .         .         .         .         .         .         .
10930  96.o        .         .         .         .         .         .         .         .         .         .         .         .
10936  97.o        .         .         .         .         .         .         .         .         .         .         .         .
10942  98.o        .         .         .         .         .         .         .         .         .         .         .         .
10948  99.o        .         .         .         .         .         .         .         .         .         .         .         .
10954 100.o        .         .         .         .         .         .         .         .         .         .         .         .
11000 101.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 102.o        .         .         .         .         .         .         .         .         .         .         .         .
11012 103. o       .         .         .         .         .         .         .         .         .         .         .         .
11018 104. o       .         .         .         .         .         .         .         .         .         .         .         .
11024 105. o       .         .         .         .         .         .         .         .         .         .         .         .
11030 106. o       .         .         .         .         .         .         .         .         .         .         .         .
11036 107.  o      .         .         .         .         .         .         .         .         .         .         .         .
11042 108.  o      .         .         .         .         .         .         .         .         .         .         .         .
11048 109.  o      .         .         .         .         .         .         .         .         .         .         .         .
11054 110.  o      .         .         .         .         .         .         .         .         .         .         .         .
11100 111. . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112.   o     .         .         .         .         .         .         .         .         .         .         .         .
11112 113.    o    .         .         .         .         .         .         .         .         .         .         .         .
11118 114.    o    .         .         .         .         .         .         .         .         .         .         .         .
11124 115.     o   .         .         .         .         .         .         .         .         .         .         .         .
11130 116.      o  .         .         .         .         .         .         .         .         .         .         .         .
11136 117.       o .         .         .         .         .         .         .         .         .         .         .         .
11142 118.        o.         .         .         .         .         .         .         .         .         .         .         .
11148 119.         .  o      .         .         .         .         .         .         .         .         .         .         .
11154 120.         .         o         .         .         .         .         .         .         .         .         .         .
11200 121. . . . . . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         .         .         .         .    o    .         .         .         .         .         .         .         .
11212 123.         .         .         .         .         .   o     .         .         .         .         .         .         .
11218 124.         .         .         .         .         .         o         .         .         .         .         .         .
11224 125.         .         .         .         .         .         .   o     .         .         .         .         .         .
11230 126.         .         .         .         .         .         .      o  .         .         .         .         .         .
11236 127.         .         .         .         .         .         .       o .         .         .         .         .         .
11242 128.         .         .         .         .         .         .     o   .         .         .         .         .         .
11248 129.         .         .         .         .         .         .o        .         .         .         .         .         .
11254 130.         .         .         .         .         .    o    .         .         .         .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .         . o       .         .         .         .         .         .         .         .
11312 133.         .         .         .      o  .         .         .         .         .         .         .         .         .
11318 134.         .         .         . o       .         .         .         .         .         .         .         .         .
11324 135.         .         .        o.         .         .         .         .         .         .         .         .         .
11330 136.         .         .     o   .         .         .         .         .         .         .         .         .         .
11336 137.         .         .  o      .         .         .         .         .         .         .         .         .         .
11342 138.         .         .o        .         .         .         .         .         .         .         .         .         .
11348 139.         .         o         .         .         .         .         .         .         .         .         .         .
11354 140.         .       o .         .         .         .         .         .         .         .         .         .         .
11400 141. . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .     o   .         .         .         .         .         .         .         .         .         .         .
11412 143.         .    o    .         .         .         .         .         .         .         .         .         .         .
11418 144.         .   o     .         .         .         .         .         .         .         .         .         .         .
11424 145.         .  o      .         .         .         .         .         .         .         .         .         .         .
11430 146.         .  o      .         .         .         .         .         .         .         .         .         .         .
11436 147.         . o       .         .         .         .         .         .         .         .         .         .         .
11442 148.         . o       .         .         .         .         .         .         .         .         .         .         .
11448 149.         .o        .         .         .         .         .         .         .         .         .         .         .
11454 150.         .o        .         .         .         .         .         .         .         .         .         .         .
11500 151. . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.         o         .         .         .         .         .         .         .         .         .         .         .
11512 153.         o         .         .         .         .         .         .         .         .         .         .         .
11518 154.         o         .         .         .         .         .         .         .         .         .         .         .
11524 155.        o.         .         .         .         .         .         .         .         .         .         .         .
11530 156.        o.         .         .         .         .         .         .         .         .         .         .         .
11536 157.        o.         .         .         .         .         .         .         .         .         .         .         .
11542 158.        o.         .         .         .         .         .         .         .         .         .         .         .
11548 159.        o.         .         .         .         .         .         .         .         .         .         .         .
11554 160.       o .         .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.       o .         .         .         .         .         .         .         .         .         .         .         .
11612 163.       o .         .         .         .         .         .         .         .         .         .         .         .
11618 164.       o .         .         .         .         .         .         .         .         .         .         .         .
11624 165.       o .         .         .         .         .         .         .         .         .         .         .         .
11630 166.      o  .         .         .         .         .         .         .         .         .         .         .         .
11636 167.      o  .         .         .         .         .         .         .         .         .         .         .         .
11642 168.      o  .         .         .         .         .         .         .         .         .         .         .         .
11648 169.      o  .         .         .         .         .         .         .         .         .         .         .         .
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11654 170.      O   .         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.     O    .         .         .         .         .         .         .         .         .         .         .         .
11712 173.     O    .         .         .         .         .         .         .         .         .         .         .         .
11718 174.     O    .         .         .         .         .         .         .         .         .         .         .         .
11724 175.     O    .         .         .         .         .         .         .         .         .         .         .         .
11730 176.    O     .         .         .         .         .         .         .         .         .         .         .         .
11736 177.    O     .         .         .         .         .         .         .         .         .         .         .         .
11742 178.    O     .         .         .         .         .         .         .         .         .         .         .         .
11748 179.    O     .         .         .         .         .         .         .         .         .         .         .         .
11754 180.    O     .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.   O      .         .         .         .         .         .         .         .         .         .         .         .
11812 183.   O      .         .         .         .         .         .         .         .         .         .         .         .
11818 184.   O      .         .         .         .         .         .         .         .         .         .         .         .
11824 185.   O      .         .         .         .         .         .         .         .         .         .         .         .
11830 186.   O      .         .         .         .         .         .         .         .         .         .         .         .
11836 187.   O      .         .         .         .         .         .         .         .         .         .         .         .
11842 188.   O      .         .         .         .         .         .         .         .         .         .         .         .
11848 189.   O      .         .         .         .         .         .         .         .         .         .         .         .
11854 190.   O      .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.   O      .         .         .         .         .         .         .         .         .         .         .         .
11912 193.   O      .         .         .         .         .         .         .         .         .         .         .         .
11918 194.   O      .         .         .         .         .         .         .         .         .         .         .         .
11924 195.   O      .         .         .         .         .         .         .         .         .         .         .         .
11930 196.   O      .         .         .         .         .         .         .         .         .         .         .         .
11936 197.   O      .         .         .         .         .         .         .         .         .         .         .         .
11942 198.  O       .         .         .         .         .         .         .         .         .         .         .         .
11948 199.   O      .         .         .         .         .         .         .         .         .         .         .         .
11954 200.   O      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  O       .         .         .         .         .         .         .         .         .         .         .         .
12012 203.  O       .         .         .         .         .         .         .         .         .         .         .         .
12018 204.  O       .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  O       .         .         .         .         .         .         .         .         .         .         .         .
12030 206.  O       .         .         .         .         .         .         .         .         .         .         .         .
12036 207.  O       .         .         .         .         .         .         .         .         .         .         .         .
12042 208.  O       .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  O       .         .         .         .         .         .         .         .         .         .         .         .
12054 210.  O       .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  O       .         .         .         .         .         .         .         .         .         .         .         .
12112 213.  O       .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  O       .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  O       .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  O       .         .         .         .         .         .         .         .         .         .         .         .
12148 219.  O       .         .         .         .         .         .         .         .         .         .         .         .
12154 220.  O       .         .         .         .         .         .         .         .         .         .         .         .
12200 221. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.  O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223.  O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224.  O       .         .         .         .         .         .         .         .         .         .         .         .
12224 225.  O       .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  O       .         .         .         .         .         .         .         .         .         .         .         .
12236 227.  O       .         .         .         .         .         .         .         .         .         .         .         .
12242 228.  O       .         .         .         .         .         .         .         .         .         .         .         .
12248 229.  O       .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  O       .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  O       .         .         .         .         .         .         .         .         .         .         .         .
12312 233.  O       .         .         .         .         .         .         .         .         .         .         .         .
12318 234.  O       .         .         .         .         .         .         .         .         .         .         .         .
12324 235.  O       .         .         .         .         .         .         .         .         .         .         .         .
12330 236.  O       .         .         .         .         .         .         .         .         .         .         .         .
12336 237.  O       .         .         .         .         .         .         .         .         .         .         .         .
12342 238.  O       .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


              ***************
              *             *
106 KK        *    C2TOE    *
              *             *
              ***************

108 KO             OUTPUT CONTROL VARIABLES
                         IPRNT          2  PRINT CONTROL
                         IPLOT          2  PLOT CONTROL
                         QSCAL          0.  HYDROGRAPH PLOT SCALE

                 HYDROGRAPH ROUTING DATA

109 RT             TATUM OR STRADDLE-STAGGER ROUTING
                        NSTPS           0  NUMBER OF TATUM STEPS
                        NSTDL           0  NUMBER OF ORDINATES TO BE AVERAGED
                        LAG             2  NUMBER OF INTERVALS TO LAG HYDROGRAPH

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                                             HYDROGRAPH AT STATION     C2TOE
                                                 PLAN 1,    RATIO =    .54

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	7.	1		1818	184	2.
1		0006	2	0.	1		0612	63	0.	1		1218	124	12.	1		1824	185	2.
1		0012	3	0.	1		0618	64	0.	1		1224	125	15.	1		1830	186	2.
1		0018	4	0.	1		0624	65	0.	1		1230	126	16.	1		1836	187	2.
1		0024	5	0.	1		0630	66	0.	1		1236	127	17.	1		1842	188	2.
1		0030	6	0.	1		0636	67	0.	1		1242	128	18.	1		1848	189	2.
1		0036	7	0.	1		0642	68	0.	1		1248	129	19.	1		1854	190	2.
1		0042	8	0.	1		0648	69	0.	1		1254	130	19.	1		1900	191	2.
1		0048	9	0.	1		0654	70	0.	1		1300	131	18.	1		1906	192	2.
1		0054	10	0.	1		0700	71	0.	1		1306	132	17.	1		1912	193	2.
1		0100	11	0.	1		0706	72	0.	1		1312	133	15.	1		1918	194	2.
1		0106	12	0.	1		0712	73	0.	1		1318	134	13.	1		1924	195	1.
1		0112	13	0.	1		0718	74	0.	1		1324	135	12.	1		1930	196	1.
1		0118	14	0.	1		0724	75	0.	1		1330	136	11.	1		1936	197	1.
1		0124	15	0.	1		0730	76	0.	1		1336	137	10.	1		1942	198	1.
1		0130	16	0.	1		0736	77	0.	1		1342	138	9.	1		1948	199	1.
1		0136	17	0.	1		0742	78	0.	1		1348	139	8.	1		1954	200	1.
1		0142	18	0.	1		0748	79	0.	1		1354	140	7.	1		2000	201	1.
1		0148	19	0.	1		0754	80	0.	1		1400	141	7.	1		2006	202	1.
1		0154	20	0.	1		0800	81	0.	1		1406	142	6.	1		2012	203	1.
1		0200	21	0.	1		0806	82	0.	1		1412	143	6.	1		2018	204	1.
1		0206	22	0.	1		0812	83	0.	1		1418	144	6.	1		2024	205	1.
1		0212	23	0.	1		0818	84	0.	1		1424	145	5.	1		2030	206	1.
1		0218	24	0.	1		0824	85	0.	1		1430	146	5.	1		2036	207	1.
1		0224	25	0.	1		0830	86	0.	1		1436	147	5.	1		2042	208	1.
1		0230	26	0.	1		0836	87	0.	1		1442	148	5.	1		2048	209	1.
1		0236	27	0.	1		0842	88	0.	1		1448	149	5.	1		2054	210	1.
1		0242	28	0.	1		0848	89	0.	1		1454	150	4.	1		2100	211	1.
1		0248	29	0.	1		0854	90	0.	1		1500	151	4.	1		2106	212	1.
1		0254	30	0.	1		0900	91	0.	1		1506	152	4.	1		2112	213	1.
1		0300	31	0.	1		0906	92	0.	1		1512	153	4.	1		2118	214	1.
1		0306	32	0.	1		0912	93	0.	1		1518	154	4.	1		2124	215	1.
1		0312	33	0.	1		0918	94	0.	1		1524	155	4.	1		2130	216	1.
1		0318	34	0.	1		0924	95	0.	1		1530	156	4.	1		2136	217	1.
1		0324	35	0.	1		0930	96	0.	1		1536	157	4.	1		2142	218	1.
1		0330	36	0.	1		0936	97	0.	1		1542	158	3.	1		2148	219	1.
1		0336	37	0.	1		0942	98	0.	1		1548	159	3.	1		2154	220	1.
1		0342	38	0.	1		0948	99	0.	1		1554	160	3.	1		2200	221	1.
1		0348	39	0.	1		0954	100	0.	1		1600	161	3.	1		2206	222	1.
1		0354	40	0.	1		1000	101	0.	1		1606	162	3.	1		2212	223	1.
1		0400	41	0.	1		1006	102	0.	1		1612	163	3.	1		2218	224	1.
1		0406	42	0.	1		1012	103	0.	1		1618	164	3.	1		2224	225	1.
1		0412	43	0.	1		1018	104	0.	1		1624	165	3.	1		2230	226	1.
1		0418	44	0.	1		1024	105	0.	1		1630	166	3.	1		2236	227	1.
1		0424	45	0.	1		1030	106	0.	1		1636	167	3.	1		2242	228	1.
1		0430	46	0.	1		1036	107	0.	1		1642	168	3.	1		2248	229	1.
1		0436	47	0.	1		1042	108	0.	1		1648	169	3.	1		2254	230	1.
1		0442	48	0.	1		1048	109	0.	1		1654	170	3.	1		2300	231	1.
1		0448	49	0.	1		1054	110	0.	1		1700	171	3.	1		2306	232	1.
1		0454	50	0.	1		1100	111	0.	1		1706	172	3.	1		2312	233	1.
1		0500	51	0.	1		1106	112	0.	1		1712	173	3.	1		2318	234	1.
1		0506	52	0.	1		1112	113	0.	1		1718	174	2.	1		2324	235	1.
1		0512	53	0.	1		1118	114	0.	1		1724	175	2.	1		2330	236	1.
1		0518	54	0.	1		1124	115	0.	1		1730	176	2.	1		2336	237	1.
1		0524	55	0.	1		1130	116	0.	1		1736	177	2.	1		2342	238	1.
1		0530	56	0.	1		1136	117	1.	1		1742	178	2.	1		2348	239	1.
1		0536	57	0.	1		1142	118	1.	1		1748	179	2.	1		2354	240	1.
1		0542	58	0.	1		1148	119	1.	1		1754	180	2.	2		0000	241	1.
1		0548	59	0.	1		1154	120	1.	1		1800	181	2.					
1		0554	60	0.	1		1200	121	2.	1		1806	182	2.					
1		0600	61	0.	1		1206	122	4.	1		1812	183	2.					

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   PEAK FLOW      TIME                        MAXIMUM AVERAGE FLOW
                                        6-HR       24-HR      72-HR      24.00-HR
+    (CFS)        (HR)
                              (CFS)
+     19.        12.80                    7.         2.         2.          2.
                           (INCHES)     1.002      1.219      1.219       1.219
                            (AC-FT)       3.         4.         4.          4.

                       CUMULATIVE AREA =      .06 SQ MI

1                                                  STATION     C2TOE

                        (I) INFLOW,   (O) OUTFLOW
           0.        4.        8.       12.       16.       20.        0.        0.        0.        0.        0.        0.        0.
DAHRMN PER
 10000   1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2I         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3I         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4I         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5I         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6I         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7I         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8I         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9I         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10I         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12I         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13I         .         .         .         .         .         .         .         .         .         .         .         .
 10118  14I         .         .         .         .         .         .         .         .         .         .         .         .
 10124  15I         .         .         .         .         .         .         .         .         .         .         .         .
 10130  16I         .         .         .         .         .         .         .         .         .         .         .         .
 10136  17I         .         .         .         .         .         .         .         .         .         .         .         .
 10142  18I         .         .         .         .         .         .         .         .         .         .         .         .
 10148  19I         .         .         .         .         .         .         .         .         .         .         .         .
 10154  20I         .         .         .         .         .         .         .         .         .         .         .         .
 10200  21I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  22I         .         .         .         .         .         .         .         .         .         .         .         .
 10212  23I         .         .         .         .         .         .         .         .         .         .         .         .
 10218  24I         .         .         .         .         .         .         .         .         .         .         .         .
 10224  25I         .         .         .         .         .         .         .         .         .         .         .         .
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```
10230  26I         .         .         .         .         .         .         .         .         .         .         .         .
10236  27I         .         .         .         .         .         .         .         .         .         .         .         .
10242  28I         .         .         .         .         .         .         .         .         .         .         .         .
10248  29I         .         .         .         .         .         .         .         .         .         .         .         .
10254  30I         .         .         .         .         .         .         .         .         .         .         .         .
10300  31I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  32I         .         .         .         .         .         .         .         .         .         .         .         .
10312  33I         .         .         .         .         .         .         .         .         .         .         .         .
10318  34I         .         .         .         .         .         .         .         .         .         .         .         .
10324  35I         .         .         .         .         .         .         .         .         .         .         .         .
10330  36I         .         .         .         .         .         .         .         .         .         .         .         .
10336  37I         .         .         .         .         .         .         .         .         .         .         .         .
10342  38I         .         .         .         .         .         .         .         .         .         .         .         .
10348  39I         .         .         .         .         .         .         .         .         .         .         .         .
10354  40I         .         .         .         .         .         .         .         .         .         .         .         .
10400  41I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  42I         .         .         .         .         .         .         .         .         .         .         .         .
10412  43I         .         .         .         .         .         .         .         .         .         .         .         .
10418  44I         .         .         .         .         .         .         .         .         .         .         .         .
10424  45I         .         .         .         .         .         .         .         .         .         .         .         .
10430  46I         .         .         .         .         .         .         .         .         .         .         .         .
10436  47I         .         .         .         .         .         .         .         .         .         .         .         .
10442  48I         .         .         .         .         .         .         .         .         .         .         .         .
10448  49I         .         .         .         .         .         .         .         .         .         .         .         .
10454  50I         .         .         .         .         .         .         .         .         .         .         .         .
10500  51I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10506  52I         .         .         .         .         .         .         .         .         .         .         .         .
10512  53I         .         .         .         .         .         .         .         .         .         .         .         .
10518  54I         .         .         .         .         .         .         .         .         .         .         .         .
10524  55I         .         .         .         .         .         .         .         .         .         .         .         .
10530  56I         .         .         .         .         .         .         .         .         .         .         .         .
10536  57I         .         .         .         .         .         .         .         .         .         .         .         .
10542  58I         .         .         .         .         .         .         .         .         .         .         .         .
10548  59I         .         .         .         .         .         .         .         .         .         .         .         .
10554  60I         .         .         .         .         .         .         .         .         .         .         .         .
10600  61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  62I         .         .         .         .         .         .         .         .         .         .         .         .
10612  63I         .         .         .         .         .         .         .         .         .         .         .         .
10618  64I         .         .         .         .         .         .         .         .         .         .         .         .
10624  65I         .         .         .         .         .         .         .         .         .         .         .         .
10630  66I         .         .         .         .         .         .         .         .         .         .         .         .
10636  67I         .         .         .         .         .         .         .         .         .         .         .         .
10642  68I         .         .         .         .         .         .         .         .         .         .         .         .
10648  69I         .         .         .         .         .         .         .         .         .         .         .         .
10654  70I         .         .         .         .         .         .         .         .         .         .         .         .
10700  71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10706  72I         .         .         .         .         .         .         .         .         .         .         .         .
10712  73I         .         .         .         .         .         .         .         .         .         .         .         .
10718  74I         .         .         .         .         .         .         .         .         .         .         .         .
10724  75I         .         .         .         .         .         .         .         .         .         .         .         .
10730  76I         .         .         .         .         .         .         .         .         .         .         .         .
10736  77I         .         .         .         .         .         .         .         .         .         .         .         .
10742  78I         .         .         .         .         .         .         .         .         .         .         .         .
10748  79I         .         .         .         .         .         .         .         .         .         .         .         .
10754  80I         .         .         .         .         .         .         .         .         .         .         .         .
10800  81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  82I         .         .         .         .         .         .         .         .         .         .         .         .
10812  83I         .         .         .         .         .         .         .         .         .         .         .         .
10818  84I         .         .         .         .         .         .         .         .         .         .         .         .
10824  85I         .         .         .         .         .         .         .         .         .         .         .         .
10830  86I         .         .         .         .         .         .         .         .         .         .         .         .
10836  87I         .         .         .         .         .         .         .         .         .         .         .         .
10842  88I         .         .         .         .         .         .         .         .         .         .         .         .
10848  89I         .         .         .         .         .         .         .         .         .         .         .         .
10854  90I         .         .         .         .         .         .         .         .         .         .         .         .
10900  91I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  92I         .         .         .         .         .         .         .         .         .         .         .         .
10912  93I         .         .         .         .         .         .         .         .         .         .         .         .
10918  94I         .         .         .         .         .         .         .         .         .         .         .         .
10924  95I         .         .         .         .         .         .         .         .         .         .         .         .
10930  96I         .         .         .         .         .         .         .         .         .         .         .         .
10936  97I         .         .         .         .         .         .         .         .         .         .         .         .
10942  98I         .         .         .         .         .         .         .         .         .         .         .         .
10948  99I         .         .         .         .         .         .         .         .         .         .         .         .
10954 100I         .         .         .         .         .         .         .         .         .         .         .         .
11000 101I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 102I         .         .         .         .         .         .         .         .         .         .         .         .
11012 103I         .         .         .         .         .         .         .         .         .         .         .         .
11018 104I         .         .         .         .         .         .         .         .         .         .         .         .
11024 105I         .         .         .         .         .         .         .         .         .         .         .         .
11030 106I         .         .         .         .         .         .         .         .         .         .         .         .
11036 107I         .         .         .         .         .         .         .         .         .         .         .         .
11042 108I         .         .         .         .         .         .         .         .         .         .         .         .
11048 109I         .         .         .         .         .         .         .         .         .         .         .         .
11054 1100I        .         .         .         .         .         .         .         .         .         .         .         .
11100 1110I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112.I        .         .         .         .         .         .         .         .         .         .         .         .
11112 113.I        .         .         .         .         .         .         .         .         .         .         .         .
11118 114.I        .         .         .         .         .         .         .         .         .         .         .         .
11124 115.I        .         .         .         .         .         .         .         .         .         .         .         .
11130 116.OI       .         .         .         .         .         .         .         .         .         .         .         .
11136 117.OI       .         .         .         .         .         .         .         .         .         .         .         .
11142 118. OI      .         .         .         .         .         .         .         .         .         .         .         .
11148 119. O  I    .         .         .         .         .         .         .         .         .         .         .         .
11154 120.  O      I         .         .         .         .         .         .         .         .         .         .         .
11200 121. . .O. . . . . . . .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         O         .        I.         .         .         .         .         .         .         .         .         .
11212 123.         .        O.         .      I  .         .         .         .         .         .         .         .         .
11218 124.         .         .        O.         .I        .         .         .         .         .         .         .         .
11224 125.         .         .         .      O  .   I     .         .         .         .         .         .         .         .
11230 126.         .         .         .         .O    I   .         .         .         .         .         .         .         .
11236 127.         .         .         .         .   O  I  .         .         .         .         .         .         .         .
11242 128.         .         .         .         .     OI  .         .         .         .         .         .         .         .
11248 129.         .         .         .         .    I O  .         .         .         .         .         .         .         .
11254 130.         .         .         .         .I     O  .         .         .         .         .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . .I. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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11306 132.          .         .         .  I      .O        .         .         .         .         .         .         .         .
11312 133.          .         .        I.     O   .         .         .         .         .         .         .         .         .
11318 134.          .         .    I    . O       .         .         .         .         .         .         .         .         .
11324 135.          .         .  I     O.         .         .         .         .         .         .         .         .         .
11330 136.          .         . I  O    .         .         .         .         .         .         .         .         .         .
11336 137.          .         I   O     .         .         .         .         .         .         .         .         .         .
11342 138.          .      I  .O        .         .         .         .         .         .         .         .         .         .
11348 139.          .     I   O         .         .         .         .         .         .         .         .         .         .
11354 140.          .    I O  .         .         .         .         .         .         .         .         .         .         .
11400 141.  . . . . . .I.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.          .  I O    .         .         .         .         .         .         .         .         .         .         .
11412 143.          .  IO     .         .         .         .         .         .         .         .         .         .         .
11418 144.          . IO      .         .         .         .         .         .         .         .         .         .         .
11424 145.          . I O     .         .         .         .         .         .         .         .         .         .         .
11430 146.          . IO      .         .         .         .         .         .         .         .         .         .         .
11436 147.          . I       .         .         .         .         .         .         .         .         .         .         .
11442 148.          .IO       .         .         .         .         .         .         .         .         .         .         .
11448 149.          .IO       .         .         .         .         .         .         .         .         .         .         .
11454 150.          IO        .         .         .         .         .         .         .         .         .         .         .
11500 151.  . . . . IO. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.          I         .         .         .         .         .         .         .         .         .         .         .
11512 153.         IO         .         .         .         .         .         .         .         .         .         .         .
11518 154.         IO         .         .         .         .         .         .         .         .         .         .         .
11524 155.         I.         .         .         .         .         .         .         .         .         .         .         .
11530 156.         I.         .         .         .         .         .         .         .         .         .         .         .
11536 157.         I.         .         .         .         .         .         .         .         .         .         .         .
11542 158.         I.         .         .         .         .         .         .         .         .         .         .         .
11548 159.        IO.         .         .         .         .         .         .         .         .         .         .         .
11554 160.        IO.         .         .         .         .         .         .         .         .         .         .         .
11600 161.  . . . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.        I .         .         .         .         .         .         .         .         .         .         .         .
11612 163.        I .         .         .         .         .         .         .         .         .         .         .         .
11618 164.        I .         .         .         .         .         .         .         .         .         .         .         .
11624 165.        I .         .         .         .         .         .         .         .         .         .         .         .
11630 166.       IO .         .         .         .         .         .         .         .         .         .         .         .
11636 167.       IO .         .         .         .         .         .         .         .         .         .         .         .
11642 168.       I  .         .         .         .         .         .         .         .         .         .         .         .
11648 169.       I  .         .         .         .         .         .         .         .         .         .         .         .
11654 170.       I  .         .         .         .         .         .         .         .         .         .         .         .
11700 171.  . . IO. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.      IO  .         .         .         .         .         .         .         .         .         .         .         .
11712 173.      I   .         .         .         .         .         .         .         .         .         .         .         .
11718 174.      I   .         .         .         .         .         .         .         .         .         .         .         .
11724 175.     IO   .         .         .         .         .         .         .         .         .         .         .         .
11730 176.     IO   .         .         .         .         .         .         .         .         .         .         .         .
11736 177.     I    .         .         .         .         .         .         .         .         .         .         .         .
11742 178.     I    .         .         .         .         .         .         .         .         .         .         .         .
11748 179.     I    .         .         .         .         .         .         .         .         .         .         .         .
11754 180.     I    .         .         .         .         .         .         .         .         .         .         .         .
11800 181.  . .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.    IO    .         .         .         .         .         .         .         .         .         .         .         .
11812 183.    IO    .         .         .         .         .         .         .         .         .         .         .         .
11818 184.    I     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.    I     .         .         .         .         .         .         .         .         .         .         .         .
11830 186.    I     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.    I     .         .         .         .         .         .         .         .         .         .         .         .
11842 188.    I     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.    I     .         .         .         .         .         .         .         .         .         .         .         .
11854 190.    I     .         .         .         .         .         .         .         .         .         .         .         .
11900 191.  . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.    I     .         .         .         .         .         .         .         .         .         .         .         .
11912 193.    I     .         .         .         .         .         .         .         .         .         .         .         .
11918 194.    I     .         .         .         .         .         .         .         .         .         .         .         .
11924 195.    I     .         .         .         .         .         .         .         .         .         .         .         .
11930 196.    I     .         .         .         .         .         .         .         .         .         .         .         .
11936 197.    I     .         .         .         .         .         .         .         .         .         .         .         .
11942 198.   IO     .         .         .         .         .         .         .         .         .         .         .         .
11948 199.    I     .         .         .         .         .         .         .         .         .         .         .         .
11954 200.   OI     .         .         .         .         .         .         .         .         .         .         .         .
12000 201.  .IO . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.   IO     .         .         .         .         .         .         .         .         .         .         .         .
12012 203.   I      .         .         .         .         .         .         .         .         .         .         .         .
12018 204.   I      .         .         .         .         .         .         .         .         .         .         .         .
12024 205.   I      .         .         .         .         .         .         .         .         .         .         .         .
12030 206.   I      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.   I      .         .         .         .         .         .         .         .         .         .         .         .
12042 208.   I      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.   I      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.   I      .         .         .         .         .         .         .         .         .         .         .         .
12100 211.  .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.   I      .         .         .         .         .         .         .         .         .         .         .         .
12112 213.   I      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.   I      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.   I      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.   I      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.   I      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.   I      .         .         .         .         .         .         .         .         .         .         .         .
12148 219.   I      .         .         .         .         .         .         .         .         .         .         .         .
12154 220.   I      .         .         .         .         .         .         .         .         .         .         .         .
12200 221.  .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.   I      .         .         .         .         .         .         .         .         .         .         .         .
12212 223.   I      .         .         .         .         .         .         .         .         .         .         .         .
12218 224.   I      .         .         .         .         .         .         .         .         .         .         .         .
12224 225.   I      .         .         .         .         .         .         .         .         .         .         .         .
12230 226.   I      .         .         .         .         .         .         .         .         .         .         .         .
12236 227.   I      .         .         .         .         .         .         .         .         .         .         .         .
12242 228.   I      .         .         .         .         .         .         .         .         .         .         .         .
12248 229.   I      .         .         .         .         .         .         .         .         .         .         .         .
12254 230.   I      .         .         .         .         .         .         .         .         .         .         .         .
12300 231.  .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.   I      .         .         .         .         .         .         .         .         .         .         .         .
12312 233.   I      .         .         .         .         .         .         .         .         .         .         .         .
12318 234.   I      .         .         .         .         .         .         .         .         .         .         .         .
12324 235.   I      .         .         .         .         .         .         .         .         .         .         .         .
12330 236.   I      .         .         .         .         .         .         .         .         .         .         .         .
12336 237.   I      .         .         .         .         .         .         .         .         .         .         .         .
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12342 238.  I      .         .         .         .         .         .         .         .         .         .         .         .
12348 239.  IO     .         .         .         .         .         .         .         .         .         .         .         .
12354 240.  IO     .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-I-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION C2TOE
PLAN 1, RATIO = .63

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	11.	1		1818	184	2.
1		0006	2	0.	1		0612	63	0.	1		1218	124	17.	1		1824	185	2.
1		0012	3	0.	1		0618	64	0.	1		1224	125	21.	1		1830	186	2.
1		0018	4	0.	1		0624	65	0.	1		1230	126	24.	1		1836	187	2.
1		0024	5	0.	1		0630	66	0.	1		1236	127	25.	1		1842	188	2.
1		0030	6	0.	1		0636	67	0.	1		1242	128	26.	1		1848	189	2.
1		0036	7	0.	1		0642	68	0.	1		1248	129	27.	1		1854	190	2.
1		0042	8	0.	1		0648	69	0.	1		1254	130	27.	1		1900	191	2.
1		0048	9	0.	1		0654	70	0.	1		1300	131	25.	1		1906	192	2.
1		0054	10	0.	1		0700	71	0.	1		1306	132	23.	1		1912	193	2.
1		0100	11	0.	1		0706	72	0.	1		1312	133	20.	1		1918	194	2.
1		0106	12	0.	1		0712	73	0.	1		1318	134	18.	1		1924	195	2.
1		0112	13	0.	1		0718	74	0.	1		1324	135	16.	1		1930	196	2.
1		0118	14	0.	1		0724	75	0.	1		1330	136	14.	1		1936	197	2.
1		0124	15	0.	1		0730	76	0.	1		1336	137	13.	1		1942	198	2.
1		0130	16	0.	1		0736	77	0.	1		1342	138	12.	1		1948	199	2.
1		0136	17	0.	1		0742	78	0.	1		1348	139	11.	1		1954	200	2.
1		0142	18	0.	1		0748	79	0.	1		1354	140	10.	1		2000	201	2.
1		0148	19	0.	1		0754	80	0.	1		1400	141	9.	1		2006	202	2.
1		0154	20	0.	1		0800	81	0.	1		1406	142	8.	1		2012	203	2.
1		0200	21	0.	1		0806	82	0.	1		1412	143	8.	1		2018	204	2.
1		0206	22	0.	1		0812	83	0.	1		1418	144	8.	1		2024	205	2.
1		0212	23	0.	1		0818	84	0.	1		1424	145	7.	1		2030	206	2.
1		0218	24	0.	1		0824	85	0.	1		1430	146	7.	1		2036	207	2.
1		0224	25	0.	1		0830	86	0.	1		1436	147	6.	1		2042	208	2.
1		0230	26	0.	1		0836	87	0.	1		1442	148	6.	1		2048	209	2.
1		0236	27	0.	1		0842	88	0.	1		1448	149	6.	1		2054	210	2.
1		0242	28	0.	1		0848	89	0.	1		1454	150	6.	1		2100	211	2.
1		0248	29	0.	1		0854	90	0.	1		1500	151	6.	1		2106	212	2.
1		0254	30	0.	1		0900	91	0.	1		1506	152	5.	1		2112	213	2.
1		0300	31	0.	1		0906	92	0.	1		1512	153	5.	1		2118	214	2.
1		0306	32	0.	1		0912	93	0.	1		1518	154	5.	1		2124	215	2.
1		0312	33	0.	1		0918	94	0.	1		1524	155	5.	1		2130	216	2.
1		0318	34	0.	1		0924	95	0.	1		1530	156	5.	1		2136	217	2.
1		0324	35	0.	1		0930	96	0.	1		1536	157	5.	1		2142	218	2.
1		0330	36	0.	1		0936	97	0.	1		1542	158	5.	1		2148	219	2.
1		0336	37	0.	1		0942	98	0.	1		1548	159	5.	1		2154	220	1.
1		0342	38	0.	1		0948	99	0.	1		1554	160	4.	1		2200	221	1.
1		0348	39	0.	1		0954	100	0.	1		1600	161	4.	1		2206	222	1.
1		0354	40	0.	1		1000	101	0.	1		1606	162	4.	1		2212	223	1.
1		0400	41	0.	1		1006	102	0.	1		1612	163	4.	1		2218	224	1.
1		0406	42	0.	1		1012	103	0.	1		1618	164	4.	1		2224	225	1.
1		0412	43	0.	1		1018	104	0.	1		1624	165	4.	1		2230	226	1.
1		0418	44	0.	1		1024	105	0.	1		1630	166	4.	1		2236	227	1.
1		0424	45	0.	1		1030	106	0.	1		1636	167	4.	1		2242	228	1.
1		0430	46	0.	1		1036	107	0.	1		1642	168	4.	1		2248	229	1.
1		0436	47	0.	1		1042	108	0.	1		1648	169	4.	1		2254	230	1.
1		0442	48	0.	1		1048	109	0.	1		1654	170	4.	1		2300	231	1.
1		0448	49	0.	1		1054	110	0.	1		1700	171	4.	1		2306	232	1.
1		0454	50	0.	1		1100	111	0.	1		1706	172	3.	1		2312	233	1.
1		0500	51	0.	1		1106	112	0.	1		1712	173	3.	1		2318	234	1.
1		0506	52	0.	1		1112	113	0.	1		1718	174	3.	1		2324	235	1.
1		0512	53	0.	1		1118	114	1.	1		1724	175	3.	1		2330	236	1.
1		0518	54	0.	1		1124	115	1.	1		1730	176	3.	1		2336	237	1.
1		0524	55	0.	1		1130	116	1.	1		1736	177	3.	1		2342	238	1.
1		0530	56	0.	1		1136	117	1.	1		1742	178	3.	1		2348	239	1.
1		0536	57	0.	1		1142	118	1.	1		1748	179	3.	1		2354	240	1.
1		0542	58	0.	1		1148	119	2.	1		1754	180	2.	2		0000	241	1.
1		0548	59	0.	1		1154	120	2.	1		1800	181	2.					
1		0554	60	0.	1		1200	121	4.	1		1806	182	2.					
1		0600	61	0.	1		1206	122	6.	1		1812	183	2.					

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  PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                       6-HR        24-HR       72-HR      24.00-HR
+   (CFS)       (HR)
                            (CFS)
+     27.      12.80                     9.          3.          3.          3.
                          (INCHES)   1.375       1.665       1.665       1.665
                           (AC-FT)      4.          5.          5.          5.

                      CUMULATIVE AREA =     .06 SQ MI
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1                                                         STATION     C2TOE

                            (I) INFLOW,    (O) OUTFLOW
          0.         4.         8.        12.        16.        20.        24.        28.        0.         0.         0.         0.         0.
DAHRMN PER
 10000   1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2I         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3I         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4I         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5I         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6I         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7I         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8I         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9I         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10I         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12I         .         .         .         .         .         .         .         .         .         .         .         .
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10112  13I          .         .         .         .         .         .         .         .         .         .         .         .
10118  14I          .         .         .         .         .         .         .         .         .         .         .         .
10124  15I          .         .         .         .         .         .         .         .         .         .         .         .
10130  16I          .         .         .         .         .         .         .         .         .         .         .         .
10136  17I          .         .         .         .         .         .         .         .         .         .         .         .
10142  18I          .         .         .         .         .         .         .         .         .         .         .         .
10148  19I          .         .         .         .         .         .         .         .         .         .         .         .
10154  20I          .         .         .         .         .         .         .         .         .         .         .         .
10200  21I .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
10206  22I          .         .         .         .         .         .         .         .         .         .         .         .
10212  23I          .         .         .         .         .         .         .         .         .         .         .         .
10218  24I          .         .         .         .         .         .         .         .         .         .         .         .
10224  25I          .         .         .         .         .         .         .         .         .         .         .         .
10230  26I          .         .         .         .         .         .         .         .         .         .         .         .
10236  27I          .         .         .         .         .         .         .         .         .         .         .         .
10242  28I          .         .         .         .         .         .         .         .         .         .         .         .
10248  29I          .         .         .         .         .         .         .         .         .         .         .         .
10254  30I          .         .         .         .         .         .         .         .         .         .         .         .
10300  31I .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
10306  32I          .         .         .         .         .         .         .         .         .         .         .         .
10312  33I          .         .         .         .         .         .         .         .         .         .         .         .
10318  34I          .         .         .         .         .         .         .         .         .         .         .         .
10324  35I          .         .         .         .         .         .         .         .         .         .         .         .
10330  36I          .         .         .         .         .         .         .         .         .         .         .         .
10336  37I          .         .         .         .         .         .         .         .         .         .         .         .
10342  38I          .         .         .         .         .         .         .         .         .         .         .         .
10348  39I          .         .         .         .         .         .         .         .         .         .         .         .
10354  40I          .         .         .         .         .         .         .         .         .         .         .         .
10400  41I .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
10406  42I          .         .         .         .         .         .         .         .         .         .         .         .
10412  43I          .         .         .         .         .         .         .         .         .         .         .         .
10418  44I          .         .         .         .         .         .         .         .         .         .         .         .
10424  45I          .         .         .         .         .         .         .         .         .         .         .         .
10430  46I          .         .         .         .         .         .         .         .         .         .         .         .
10436  47I          .         .         .         .         .         .         .         .         .         .         .         .
10442  48I          .         .         .         .         .         .         .         .         .         .         .         .
10448  49I          .         .         .         .         .         .         .         .         .         .         .         .
10454  50I          .         .         .         .         .         .         .         .         .         .         .         .
10500  51I .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
10506  52I          .         .         .         .         .         .         .         .         .         .         .         .
10512  53I          .         .         .         .         .         .         .         .         .         .         .         .
10518  54I          .         .         .         .         .         .         .         .         .         .         .         .
10524  55I          .         .         .         .         .         .         .         .         .         .         .         .
10530  56I          .         .         .         .         .         .         .         .         .         .         .         .
10536  57I          .         .         .         .         .         .         .         .         .         .         .         .
10542  58I          .         .         .         .         .         .         .         .         .         .         .         .
10548  59I          .         .         .         .         .         .         .         .         .         .         .         .
10554  60I          .         .         .         .         .         .         .         .         .         .         .         .
10600  61I .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
10606  62I          .         .         .         .         .         .         .         .         .         .         .         .
10612  63I          .         .         .         .         .         .         .         .         .         .         .         .
10618  64I          .         .         .         .         .         .         .         .         .         .         .         .
10624  65I          .         .         .         .         .         .         .         .         .         .         .         .
10630  66I          .         .         .         .         .         .         .         .         .         .         .         .
10636  67I          .         .         .         .         .         .         .         .         .         .         .         .
10642  68I          .         .         .         .         .         .         .         .         .         .         .         .
10648  69I          .         .         .         .         .         .         .         .         .         .         .         .
10654  70I          .         .         .         .         .         .         .         .         .         .         .         .
10700  71I .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
10706  72I          .         .         .         .         .         .         .         .         .         .         .         .
10712  73I          .         .         .         .         .         .         .         .         .         .         .         .
10718  74I          .         .         .         .         .         .         .         .         .         .         .         .
10724  75I          .         .         .         .         .         .         .         .         .         .         .         .
10730  76I          .         .         .         .         .         .         .         .         .         .         .         .
10736  77I          .         .         .         .         .         .         .         .         .         .         .         .
10742  78I          .         .         .         .         .         .         .         .         .         .         .         .
10748  79I          .         .         .         .         .         .         .         .         .         .         .         .
10754  80I          .         .         .         .         .         .         .         .         .         .         .         .
10800  81I .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
10806  82I          .         .         .         .         .         .         .         .         .         .         .         .
10812  83I          .         .         .         .         .         .         .         .         .         .         .         .
10818  84I          .         .         .         .         .         .         .         .         .         .         .         .
10824  85I          .         .         .         .         .         .         .         .         .         .         .         .
10830  86I          .         .         .         .         .         .         .         .         .         .         .         .
10836  87I          .         .         .         .         .         .         .         .         .         .         .         .
10842  88I          .         .         .         .         .         .         .         .         .         .         .         .
10848  89I          .         .         .         .         .         .         .         .         .         .         .         .
10854  90I          .         .         .         .         .         .         .         .         .         .         .         .
10900  91I .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
10906  92I          .         .         .         .         .         .         .         .         .         .         .         .
10912  93I          .         .         .         .         .         .         .         .         .         .         .         .
10918  94I          .         .         .         .         .         .         .         .         .         .         .         .
10924  95I          .         .         .         .         .         .         .         .         .         .         .         .
10930  96I          .         .         .         .         .         .         .         .         .         .         .         .
10936  97I          .         .         .         .         .         .         .         .         .         .         .         .
10942  98I          .         .         .         .         .         .         .         .         .         .         .         .
10948  99I          .         .         .         .         .         .         .         .         .         .         .         .
10954 100I          .         .         .         .         .         .         .         .         .         .         .         .
11000 101I .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
11006 102I          .         .         .         .         .         .         .         .         .         .         .         .
11012 103I          .         .         .         .         .         .         .         .         .         .         .         .
11018 104I          .         .         .         .         .         .         .         .         .         .         .         .
11024 105I          .         .         .         .         .         .         .         .         .         .         .         .
11030 106OI         .         .         .         .         .         .         .         .         .         .         .         .
11036 107OI         .         .         .         .         .         .         .         .         .         .         .         .
11042 108.I         .         .         .         .         .         .         .         .         .         .         .         .
11048 109.I         .         .         .         .         .         .         .         .         .         .         .         .
11054 110.I         .         .         .         .         .         .         .         .         .         .         .         .
11100 111.I.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
11106 112.I         .         .         .         .         .         .         .         .         .         .         .         .
11112 113.OI        .         .         .         .         .         .         .         .         .         .         .         .
11118 114.OI        .         .         .         .         .         .         .         .         .         .         .         .
11124 115. OI       .         .         .         .         .         .         .         .         .         .         .         .
11130 116. OI       .         .         .         .         .         .         .         .         .         .         .         .
11136 117.  OI      .         .         .         .         .         .         .         .         .         .         .         .
11142 118.  O I     .         .         .         .         .         .         .         .         .         .         .         .
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11148 119. O    I
11154 120.  O          I
11200 121.      O                  I
11206 122.             O                          I
11212 123.                         O                        I
11218 124.                                        O               I
11224 125.                                                  O         I
11230 126.                                                        O     I
11236 127.                                                            O   I
11242 128.                                                               OI
11248 129.                                                            I   O
11254 130.                                                       I       O
11300 131.                                                I           O
11306 132.                                          I            O
11312 133.                                     I          O
11318 134.                                 I        O
11324 135.                             I       O
11330 136.                          I      O
11336 137.                        I    O
11342 138.                      I   O
11348 139.                    I   O
11354 140.                  I   O
11400 141.                 I  O
11406 142.                I O
11412 143.               I O
11418 144.              I O
11424 145.             I O
11430 146.             IO
11436 147.            IO
11442 148.           I O
11448 149.           IO
11454 150.          IO
11500 151.          IO
11506 152.          I
11512 153.         IO
11518 154.         IO
11524 155.         I
11530 156.        IO
11536 157.        IO
11542 158.        I
11548 159.        I
11554 160.       IO
11600 161.       IO
11606 162.       I
11612 163.       I
11618 164.       I
11624 165.       I
11630 166.      IO
11636 167.      IO
11642 168.      I
11648 169.      I
11654 170.      I
11700 171.     IO
11706 172.     IO
11712 173.    IO
11718 174.    IO
11724 175.    I
11730 176.   IO
11736 177.   IO
11742 178.   I
11748 179.   I
11754 180.   I
11800 181.   I
11806 182.   I
11812 183.  IO
11818 184.  IO
11824 185.  I
11830 186.  I
11836 187.  I
11842 188.  I
11848 189.  I
11854 190.  I
11900 191.  I
11906 192.  I
11912 193.  I
11918 194.  I
11924 195.  I
11930 196.  I
11936 197.  I
11942 198. IO
11948 199.  I
11954 200. I
12000 201. IO
12006 202. I
12012 203. I
12018 204. I
12024 205. I
12030 206. I
12036 207. I
12042 208. I
12048 209. I
12054 210. I
12100 211. I
12106 212. I
12112 213. I
12118 214. I
12124 215. I
12130 216. I
12136 217. I
12142 218. I
12148 219. I
12154 220. I
12200 221. I
12206 222. I
12212 223. I
12218 224. I
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12224 225.   I    .         .         .         .         .         .         .         .         .         .         .         .
12230 226.   I    .         .         .         .         .         .         .         .         .         .         .         .
12236 227.   I    .         .         .         .         .         .         .         .         .         .         .         .
12242 228.   I    .         .         .         .         .         .         .         .         .         .         .         .
12248 229.   I    .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  IO    .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .IO . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  I     .         .         .         .         .         .         .         .         .         .         .         .
12312 233.  I     .         .         .         .         .         .         .         .         .         .         .         .
12318 234.  I     .         .         .         .         .         .         .         .         .         .         .         .
12324 235.  I     .         .         .         .         .         .         .         .         .         .         .         .
12330 236.  I     .         .         .         .         .         .         .         .         .         .         .         .
12336 237.  I     .         .         .         .         .         .         .         .         .         .         .         .
12342 238.  I     .         .         .         .         .         .         .         .         .         .         .         .
12348 239.  I     .         .         .         .         .         .         .         .         .         .         .         .
12354 240.  I     .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--I------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION C2TOE
PLAN 1, RATIO = .76

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	18.	1		1818	184	3.
1		0006	2	0.	1		0612	63	0.	1		1218	124	27.	1		1824	185	3.
1		0012	3	0.	1		0618	64	0.	1		1224	125	32.	1		1830	186	3.
1		0018	4	0.	1		0624	65	0.	1		1230	126	36.	1		1836	187	3.
1		0024	5	0.	1		0630	66	0.	1		1236	127	39.	1		1842	188	3.
1		0030	6	0.	1		0636	67	0.	1		1242	128	40.	1		1848	189	3.
1		0036	7	0.	1		0642	68	0.	1		1248	129	41.	1		1854	190	3.
1		0042	8	0.	1		0648	69	0.	1		1254	130	40.	1		1900	191	3.
1		0048	9	0.	1		0654	70	0.	1		1300	131	38.	1		1906	192	3.
1		0054	10	0.	1		0700	71	0.	1		1306	132	34.	1		1912	193	3.
1		0100	11	0.	1		0706	72	0.	1		1312	133	30.	1		1918	194	3.
1		0106	12	0.	1		0712	73	0.	1		1318	134	26.	1		1924	195	3.
1		0112	13	0.	1		0718	74	0.	1		1324	135	23.	1		1930	196	3.
1		0118	14	0.	1		0724	75	0.	1		1330	136	21.	1		1936	197	3.
1		0124	15	0.	1		0730	76	0.	1		1336	137	19.	1		1942	198	3.
1		0130	16	0.	1		0736	77	0.	1		1342	138	17.	1		1948	199	2.
1		0136	17	0.	1		0742	78	0.	1		1348	139	15.	1		1954	200	2.
1		0142	18	0.	1		0748	79	0.	1		1354	140	14.	1		2000	201	2.
1		0148	19	0.	1		0754	80	0.	1		1400	141	13.	1		2006	202	2.
1		0154	20	0.	1		0800	81	0.	1		1406	142	12.	1		2012	203	2.
1		0200	21	0.	1		0806	82	0.	1		1412	143	11.	1		2018	204	2.
1		0206	22	0.	1		0812	83	0.	1		1418	144	11.	1		2024	205	2.
1		0212	23	0.	1		0818	84	0.	1		1424	145	10.	1		2030	206	2.
1		0218	24	0.	1		0824	85	0.	1		1430	146	9.	1		2036	207	2.
1		0224	25	0.	1		0830	86	0.	1		1436	147	9.	1		2042	208	2.
1		0230	26	0.	1		0836	87	0.	1		1442	148	9.	1		2048	209	2.
1		0236	27	0.	1		0842	88	0.	1		1448	149	8.	1		2054	210	2.
1		0242	28	0.	1		0848	89	0.	1		1454	150	8.	1		2100	211	2.
1		0248	29	0.	1		0854	90	0.	1		1500	151	8.	1		2106	212	2.
1		0254	30	0.	1		0900	91	0.	1		1506	152	7.	1		2112	213	2.
1		0300	31	0.	1		0906	92	0.	1		1512	153	7.	1		2118	214	2.
1		0306	32	0.	1		0912	93	0.	1		1518	154	7.	1		2124	215	2.
1		0312	33	0.	1		0918	94	0.	1		1524	155	7.	1		2130	216	2.
1		0318	34	0.	1		0924	95	0.	1		1530	156	7.	1		2136	217	2.
1		0324	35	0.	1		0930	96	0.	1		1536	157	6.	1		2142	218	2.
1		0330	36	0.	1		0936	97	0.	1		1542	158	6.	1		2148	219	2.
1		0336	37	0.	1		0942	98	0.	1		1548	159	6.	1		2154	220	2.
1		0342	38	0.	1		0948	99	0.	1		1554	160	6.	1		2200	221	2.
1		0348	39	0.	1		0954	100	0.	1		1600	161	6.	1		2206	222	2.
1		0354	40	0.	1		1000	101	0.	1		1606	162	6.	1		2212	223	2.
1		0400	41	0.	1		1006	102	0.	1		1612	163	6.	1		2218	224	2.
1		0406	42	0.	1		1012	103	0.	1		1618	164	6.	1		2224	225	2.
1		0412	43	0.	1		1018	104	0.	1		1624	165	5.	1		2230	226	2.
1		0418	44	0.	1		1024	105	0.	1		1630	166	5.	1		2236	227	2.
1		0424	45	0.	1		1030	106	0.	1		1636	167	5.	1		2242	228	2.
1		0430	46	0.	1		1036	107	0.	1		1642	168	5.	1		2248	229	2.
1		0436	47	0.	1		1042	108	1.	1		1648	169	5.	1		2254	230	2.
1		0442	48	0.	1		1048	109	1.	1		1654	170	5.	1		2300	231	2.
1		0448	49	0.	1		1054	110	1.	1		1700	171	5.	1		2306	232	2.
1		0454	50	0.	1		1100	111	1.	1		1706	172	5.	1		2312	233	2.
1		0500	51	0.	1		1106	112	1.	1		1712	173	4.	1		2318	234	2.
1		0506	52	0.	1		1112	113	1.	1		1718	174	4.	1		2324	235	2.
1		0512	53	0.	1		1118	114	2.	1		1724	175	4.	1		2330	236	2.
1		0518	54	0.	1		1124	115	2.	1		1730	176	4.	1		2336	237	2.
1		0524	55	0.	1		1130	116	2.	1		1736	177	4.	1		2342	238	2.
1		0530	56	0.	1		1136	117	3.	1		1742	178	4.	1		2348	239	2.
1		0536	57	0.	1		1142	118	3.	1		1748	179	3.	1		2354	240	2.
1		0542	58	0.	1		1148	119	4.	1		1754	180	3.	2		0000	241	2.
1		0548	59	0.	1		1154	120	5.	1		1800	181	3.					
1		0554	60	0.	1		1200	121	7.	1		1806	182	3.					
1		0600	61	0.	1		1206	122	11.	1		1812	183	3.					

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	41.	12.80		13.	4.	4.	4.
			(INCHES)	2.012	2.432	2.432	2.432
			(AC-FT)	7.	8.	8.	8.

CUMULATIVE AREA = .06 SQ MI

1 STATION C2TOE

(I) INFLOW, (O) OUTFLOW

0. 5. 10. 15. 20. 25. 30. 35. 40. 45. 0. 0. 0.

```
DAHRMN  PER
 10000    1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006    2I
 10012    3I
 10018    4I
 10024    5I
 10030    6I
 10036    7I
 10042    8I
 10048    9I
 10054   10I
 10100   11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106   12I
 10112   13I
 10118   14I
 10124   15I
 10130   16I
 10136   17I
 10142   18I
 10148   19I
 10154   20I
 10200   21I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206   22I
 10212   23I
 10218   24I
 10224   25I
 10230   26I
 10236   27I
 10242   28I
 10248   29I
 10254   30I
 10300   31I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306   32I
 10312   33I
 10318   34I
 10324   35I
 10330   36I
 10336   37I
 10342   38I
 10348   39I
 10354   40I
 10400   41I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406   42I
 10412   43I
 10418   44I
 10424   45I
 10430   46I
 10436   47I
 10442   48I
 10448   49I
 10454   50I
 10500   51I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506   52I
 10512   53I
 10518   54I
 10524   55I
 10530   56I
 10536   57I
 10542   58I
 10548   59I
 10554   60I
 10600   61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606   62I
 10612   63I
 10618   64I
 10624   65I
 10630   66I
 10636   67I
 10642   68I
 10648   69I
 10654   70I
 10700   71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10706   72I
 10712   73I
 10718   74I
 10724   75I
 10730   76I
 10736   77I
 10742   78I
 10748   79I
 10754   80I
 10800   81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10806   82I
 10812   83I
 10818   84I
 10824   85I
 10830   86I
 10836   87I
 10842   88I
 10848   89I
 10854   90I
 10900   91I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10906   92I
 10912   93I
 10918   94I
 10924   95I
 10930   96I
 10936   97I
 10942   98I
 10948   99I
 10954 1000I
 11000 1010I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 11006 102.I
 11012 103.I
 11018 104.I
 11024 105.I
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11030 106.I        .         .         .         .         .         .         .         .         .         .         .         .
11036 107.I        .         .         .         .         .         .         .         .         .         .         .         .
11042 108.OI       .         .         .         .         .         .         .         .         .         .         .         .
11048 109.OI       .         .         .         .         .         .         .         .         .         .         .         .
11054 110. I       .         .         .         .         .         .         .         .         .         .         .         .
11100 111. OI. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112. OI      .         .         .         .         .         .         .         .         .         .         .         .
11112 113.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11118 114.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11124 115.   OI    .         .         .         .         .         .         .         .         .         .         .         .
11130 116.   O I   .         .         .         .         .         .         .         .         .         .         .         .
11136 117.    O I  .         .         .         .         .         .         .         .         .         .         .         .
11142 118.     O  I.         .         .         .         .         .         .         .         .         .         .         .
11148 119.      O  .  I      .         .         .         .         .         .         .         .         .         .         .
11154 120.        O.         . I       .         .         .         .         .         .         .         .         .         .
11200 121. . . . . .O. . . . . . . . . . .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         .         . O       .         .         . I       .         .         .         .         .         .         .
11212 123.         .         .         .    O    .         .         .   I     .         .         .         .         .         .
11218 124.         .         .         .         .         . O       .         . I       .         .         .         .         .
11224 125.         .         .         .         .         .         .   O     .     I   .         .         .         .         .
11230 126.         .         .         .         .         .         .         . O       .I        .         .         .         .
11236 127.         .         .         .         .         .         .         .     O   . I       .         .         .         .
11242 128.         .         .         .         .         .         .         .         .I        .         .         .         .
11248 129.         .         .         .         .         .         .         .    I    . O       .         .         .         .
11254 130.         .         .         .         .         .         .      I  .         .O        .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . . . . . . . . . .I. . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .         .         . I       .      O  .         .         .         .         .         .
11312 133.         .         .         .         .     I   .        O.         .         .         .         .         .         .
11318 134.         .         .         .         .I        . O       .         .         .         .         .         .         .
11324 135.         .         .         .     I   .     O   .         .         .         .         .         .         .         .
11330 136.         .         .         .  I      .O        .         .         .         .         .         .         .         .
11336 137.         .         .         I     O   .         .         .         .         .         .         .         .         .
11342 138.         .         .      I  .  O      .         .         .         .         .         .         .         .         .
11348 139.         .         .    I    O         .         .         .         .         .         .         .         .         .
11354 140.         .         .  I   O  .         .         .         .         .         .         .         .         .         .
11400 141. . . . . . . . . . .I. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .         .I O      .         .         .         .         .         .         .         .         .         .
11412 143.         .         I O       .         .         .         .         .         .         .         .         .         .
11418 144.         .        I.O        .         .         .         .         .         .         .         .         .         .
11424 145.         .       I O         .         .         .         .         .         .         .         .         .         .
11430 146.         .      I O.         .         .         .         .         .         .         .         .         .         .
11436 147.         .      IO .         .         .         .         .         .         .         .         .         .         .
11442 148.         .     IO  .         .         .         .         .         .         .         .         .         .         .
11448 149.         .    I O  .         .         .         .         .         .         .         .         .         .         .
11454 150.         .    IO   .         .         .         .         .         .         .         .         .         .         .
11500 151. . . . . . .IO . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.         .   IO    .         .         .         .         .         .         .         .         .         .         .
11512 153.         .  IO     .         .         .         .         .         .         .         .         .         .         .
11518 154.         .  IO     .         .         .         .         .         .         .         .         .         .         .
11524 155.         .  I      .         .         .         .         .         .         .         .         .         .         .
11530 156.         . IO      .         .         .         .         .         .         .         .         .         .         .
11536 157.         . IO      .         .         .         .         .         .         .         .         .         .         .
11542 158.         . I       .         .         .         .         .         .         .         .         .         .         .
11548 159.         . I       .         .         .         .         .         .         .         .         .         .         .
11554 160.         .IO       .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . . .IO . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.         .I        .         .         .         .         .         .         .         .         .         .         .
11612 163.         .I        .         .         .         .         .         .         .         .         .         .         .
11618 164.         .I        .         .         .         .         .         .         .         .         .         .         .
11624 165.         .I        .         .         .         .         .         .         .         .         .         .         .
11630 166.         IO        .         .         .         .         .         .         .         .         .         .         .
11636 167.         IO        .         .         .         .         .         .         .         .         .         .         .
11642 168.         I         .         .         .         .         .         .         .         .         .         .         .
11648 169.         I         .         .         .         .         .         .         .         .         .         .         .
11654 170.        IO         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . . .IO . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.       IO.         .         .         .         .         .         .         .         .         .         .         .
11712 173.       IO.         .         .         .         .         .         .         .         .         .         .         .
11718 174.       I .         .         .         .         .         .         .         .         .         .         .         .
11724 175.       I .         .         .         .         .         .         .         .         .         .         .         .
11730 176.      IO .         .         .         .         .         .         .         .         .         .         .         .
11736 177.      IO .         .         .         .         .         .         .         .         .         .         .         .
11742 178.      I  .         .         .         .         .         .         .         .         .         .         .         .
11748 179.     IO  .         .         .         .         .         .         .         .         .         .         .         .
11754 180.     IO  .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.     I   .         .         .         .         .         .         .         .         .         .         .         .
11812 183.     I   .         .         .         .         .         .         .         .         .         .         .         .
11818 184.     I   .         .         .         .         .         .         .         .         .         .         .         .
11824 185.     I   .         .         .         .         .         .         .         .         .         .         .         .
11830 186.     I   .         .         .         .         .         .         .         .         .         .         .         .
11836 187.     I   .         .         .         .         .         .         .         .         .         .         .         .
11842 188.    IO   .         .         .         .         .         .         .         .         .         .         .         .
11848 189.    IO   .         .         .         .         .         .         .         .         .         .         .         .
11854 190.    I    .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.    I    .         .         .         .         .         .         .         .         .         .         .         .
11912 193.    I    .         .         .         .         .         .         .         .         .         .         .         .
11918 194.    I    .         .         .         .         .         .         .         .         .         .         .         .
11924 195.    I    .         .         .         .         .         .         .         .         .         .         .         .
11930 196.    I    .         .         .         .         .         .         .         .         .         .         .         .
11936 197.    I    .         .         .         .         .         .         .         .         .         .         .         .
11942 198.    I    .         .         .         .         .         .         .         .         .         .         .         .
11948 199.    I    .         .         .         .         .         .         .         .         .         .         .         .
11954 200.    I    .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.    I    .         .         .         .         .         .         .         .         .         .         .         .
12012 203.    I    .         .         .         .         .         .         .         .         .         .         .         .
12018 204.    I    .         .         .         .         .         .         .         .         .         .         .         .
12024 205.   IO    .         .         .         .         .         .         .         .         .         .         .         .
12030 206.   IO    .         .         .         .         .         .         .         .         .         .         .         .
12036 207.   OI    .         .         .         .         .         .         .         .         .         .         .         .
12042 208.   I     .         .         .         .         .         .         .         .         .         .         .         .
12048 209.   IO    .         .         .         .         .         .         .         .         .         .         .         .
12054 210.   I     .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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12106 212.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12112 213.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12118 214.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12124 215.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12130 216.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12136 217.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12142 218.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12148 219.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12154 220.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12200 221.  . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12212 223.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12218 224.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12224 225.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12230 226.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12236 227.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12242 228.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12248 229.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12254 230.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12300 231.  . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12312 233.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12318 234.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12324 235.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12330 236.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12336 237.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12342 238.    I    .         .         .         .         .         .         .         .         .         .         .         .         .
12348 239.   IO    .         .         .         .         .         .         .         .         .         .         .         .         .
12354 240.   IO    .         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--I------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION C2TOE
PLAN 1, RATIO = .88

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	24.	1		1818	184	4.
1		0006	2	0.	1		0612	63	0.	1		1218	124	35.	1		1824	185	4.
1		0012	3	0.	1		0618	64	0.	1		1224	125	42.	1		1830	186	3.
1		0018	4	0.	1		0624	65	0.	1		1230	126	47.	1		1836	187	3.
1		0024	5	0.	1		0630	66	0.	1		1236	127	50.	1		1842	188	3.
1		0030	6	0.	1		0636	67	0.	1		1242	128	53.	1		1848	189	3.
1		0036	7	0.	1		0642	68	0.	1		1248	129	53.	1		1854	190	3.
1		0042	8	0.	1		0648	69	0.	1		1254	130	52.	1		1900	191	3.
1		0048	9	0.	1		0654	70	0.	1		1300	131	49.	1		1906	192	3.
1		0054	10	0.	1		0700	71	0.	1		1306	132	44.	1		1912	193	3.
1		0100	11	0.	1		0706	72	0.	1		1312	133	39.	1		1918	194	3.
1		0106	12	0.	1		0712	73	0.	1		1318	134	34.	1		1924	195	3.
1		0112	13	0.	1		0718	74	0.	1		1324	135	30.	1		1930	196	3.
1		0118	14	0.	1		0724	75	0.	1		1330	136	26.	1		1936	197	3.
1		0124	15	0.	1		0730	76	0.	1		1336	137	23.	1		1942	198	3.
1		0130	16	0.	1		0736	77	0.	1		1342	138	21.	1		1948	199	3.
1		0136	17	0.	1		0742	78	0.	1		1348	139	19.	1		1954	200	3.
1		0142	18	0.	1		0748	79	0.	1		1354	140	17.	1		2000	201	3.
1		0148	19	0.	1		0754	80	0.	1		1400	141	16.	1		2006	202	3.
1		0154	20	0.	1		0800	81	0.	1		1406	142	15.	1		2012	203	3.
1		0200	21	0.	1		0806	82	0.	1		1412	143	14.	1		2018	204	3.
1		0206	22	0.	1		0812	83	0.	1		1418	144	13.	1		2024	205	3.
1		0212	23	0.	1		0818	84	0.	1		1424	145	12.	1		2030	206	3.
1		0218	24	0.	1		0824	85	0.	1		1430	146	12.	1		2036	207	3.
1		0224	25	0.	1		0830	86	0.	1		1436	147	11.	1		2042	208	3.
1		0230	26	0.	1		0836	87	0.	1		1442	148	11.	1		2048	209	3.
1		0236	27	0.	1		0842	88	0.	1		1448	149	10.	1		2054	210	3.
1		0242	28	0.	1		0848	89	0.	1		1454	150	10.	1		2100	211	3.
1		0248	29	0.	1		0854	90	0.	1		1500	151	9.	1		2106	212	3.
1		0254	30	0.	1		0900	91	0.	1		1506	152	9.	1		2112	213	3.
1		0300	31	0.	1		0906	92	0.	1		1512	153	9.	1		2118	214	3.
1		0306	32	0.	1		0912	93	0.	1		1518	154	9.	1		2124	215	3.
1		0312	33	0.	1		0918	94	0.	1		1524	155	8.	1		2130	216	3.
1		0318	34	0.	1		0924	95	0.	1		1530	156	8.	1		2136	217	3.
1		0324	35	0.	1		0930	96	0.	1		1536	157	8.	1		2142	218	2.
1		0330	36	0.	1		0936	97	0.	1		1542	158	8.	1		2148	219	2.
1		0336	37	0.	1		0942	98	0.	1		1548	159	8.	1		2154	220	2.
1		0342	38	0.	1		0948	99	0.	1		1554	160	7.	1		2200	221	2.
1		0348	39	0.	1		0954	100	0.	1		1600	161	7.	1		2206	222	2.
1		0354	40	0.	1		1000	101	0.	1		1606	162	7.	1		2212	223	2.
1		0400	41	0.	1		1006	102	1.	1		1612	163	7.	1		2218	224	2.
1		0406	42	0.	1		1012	103	1.	1		1618	164	7.	1		2224	225	2.
1		0412	43	0.	1		1018	104	1.	1		1624	165	7.	1		2230	226	2.
1		0418	44	0.	1		1024	105	1.	1		1630	166	7.	1		2236	227	2.
1		0424	45	0.	1		1030	106	1.	1		1636	167	6.	1		2242	228	2.
1		0430	46	0.	1		1036	107	1.	1		1642	168	6.	1		2248	229	2.
1		0436	47	0.	1		1042	108	1.	1		1648	169	6.	1		2254	230	2.
1		0442	48	0.	1		1048	109	1.	1		1654	170	6.	1		2300	231	2.
1		0448	49	0.	1		1054	110	2.	1		1700	171	6.	1		2306	232	2.
1		0454	50	0.	1		1100	111	2.	1		1706	172	6.	1		2312	233	2.
1		0500	51	0.	1		1106	112	2.	1		1712	173	5.	1		2318	234	2.
1		0506	52	0.	1		1112	113	2.	1		1718	174	5.	1		2324	235	2.
1		0512	53	0.	1		1118	114	3.	1		1724	175	5.	1		2330	236	2.
1		0518	54	0.	1		1124	115	3.	1		1730	176	5.	1		2336	237	2.
1		0524	55	0.	1		1130	116	4.	1		1736	177	5.	1		2342	238	2.
1		0530	56	0.	1		1136	117	4.	1		1742	178	4.	1		2348	239	2.
1		0536	57	0.	1		1142	118	5.	1		1748	179	4.	1		2354	240	2.
1		0542	58	0.	1		1148	119	6.	1		1754	180	4.	2		0000	241	2.
1		0548	59	0.	1		1154	120	7.	1		1800	181	4.					
1		0554	60	0.	1		1200	121	10.	1		1806	182	4.					
1		0600	61	0.	1		1206	122	15.	1		1812	183	4.					

PEAK FLOW TIME MAXIMUM AVERAGE FLOW

```
                                                                 CALIFONHYDROLOGY
                                              6-HR       24-HR       72-HR    24.00-HR
+   (CFS)       (HR)
                               (CFS)
+      53.      12.80                          17.          5.          5.          5.
                              (INCHES)       2.566       3.106       3.106       3.106
                              (AC-FT)           8.         10.         10.         10.

                              CUMULATIVE AREA =        .06 SQ MI

1                                                        STATION     C2TOE

                           (I) INFLOW,     (O) OUTFLOW
             0.        10.        20.        30.        40.        50.        60.        0.        0.        0.        0.        0.        0.
DAHRMN PER
 10000   1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2I         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3I         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4I         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5I         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6I         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7I         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8I         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9I         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10I         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12I         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13I         .         .         .         .         .         .         .         .         .         .         .         .
 10118  14I         .         .         .         .         .         .         .         .         .         .         .         .
 10124  15I         .         .         .         .         .         .         .         .         .         .         .         .
 10130  16I         .         .         .         .         .         .         .         .         .         .         .         .
 10136  17I         .         .         .         .         .         .         .         .         .         .         .         .
 10142  18I         .         .         .         .         .         .         .         .         .         .         .         .
 10148  19I         .         .         .         .         .         .         .         .         .         .         .         .
 10154  20I         .         .         .         .         .         .         .         .         .         .         .         .
 10200  21I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  22I         .         .         .         .         .         .         .         .         .         .         .         .
 10212  23I         .         .         .         .         .         .         .         .         .         .         .         .
 10218  24I         .         .         .         .         .         .         .         .         .         .         .         .
 10224  25I         .         .         .         .         .         .         .         .         .         .         .         .
 10230  26I         .         .         .         .         .         .         .         .         .         .         .         .
 10236  27I         .         .         .         .         .         .         .         .         .         .         .         .
 10242  28I         .         .         .         .         .         .         .         .         .         .         .         .
 10248  29I         .         .         .         .         .         .         .         .         .         .         .         .
 10254  30I         .         .         .         .         .         .         .         .         .         .         .         .
 10300  31I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  32I         .         .         .         .         .         .         .         .         .         .         .         .
 10312  33I         .         .         .         .         .         .         .         .         .         .         .         .
 10318  34I         .         .         .         .         .         .         .         .         .         .         .         .
 10324  35I         .         .         .         .         .         .         .         .         .         .         .         .
 10330  36I         .         .         .         .         .         .         .         .         .         .         .         .
 10336  37I         .         .         .         .         .         .         .         .         .         .         .         .
 10342  38I         .         .         .         .         .         .         .         .         .         .         .         .
 10348  39I         .         .         .         .         .         .         .         .         .         .         .         .
 10354  40I         .         .         .         .         .         .         .         .         .         .         .         .
 10400  41I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  42I         .         .         .         .         .         .         .         .         .         .         .         .
 10412  43I         .         .         .         .         .         .         .         .         .         .         .         .
 10418  44I         .         .         .         .         .         .         .         .         .         .         .         .
 10424  45I         .         .         .         .         .         .         .         .         .         .         .         .
 10430  46I         .         .         .         .         .         .         .         .         .         .         .         .
 10436  47I         .         .         .         .         .         .         .         .         .         .         .         .
 10442  48I         .         .         .         .         .         .         .         .         .         .         .         .
 10448  49I         .         .         .         .         .         .         .         .         .         .         .         .
 10454  50I         .         .         .         .         .         .         .         .         .         .         .         .
 10500  51I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506  52I         .         .         .         .         .         .         .         .         .         .         .         .
 10512  53I         .         .         .         .         .         .         .         .         .         .         .         .
 10518  54I         .         .         .         .         .         .         .         .         .         .         .         .
 10524  55I         .         .         .         .         .         .         .         .         .         .         .         .
 10530  56I         .         .         .         .         .         .         .         .         .         .         .         .
 10536  57I         .         .         .         .         .         .         .         .         .         .         .         .
 10542  58I         .         .         .         .         .         .         .         .         .         .         .         .
 10548  59I         .         .         .         .         .         .         .         .         .         .         .         .
 10554  60I         .         .         .         .         .         .         .         .         .         .         .         .
 10600  61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606  62I         .         .         .         .         .         .         .         .         .         .         .         .
 10612  63I         .         .         .         .         .         .         .         .         .         .         .         .
 10618  64I         .         .         .         .         .         .         .         .         .         .         .         .
 10624  65I         .         .         .         .         .         .         .         .         .         .         .         .
 10630  66I         .         .         .         .         .         .         .         .         .         .         .         .
 10636  67I         .         .         .         .         .         .         .         .         .         .         .         .
 10642  68I         .         .         .         .         .         .         .         .         .         .         .         .
 10648  69I         .         .         .         .         .         .         .         .         .         .         .         .
 10654  70I         .         .         .         .         .         .         .         .         .         .         .         .
 10700  71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10706  72I         .         .         .         .         .         .         .         .         .         .         .         .
 10712  73I         .         .         .         .         .         .         .         .         .         .         .         .
 10718  74I         .         .         .         .         .         .         .         .         .         .         .         .
 10724  75I         .         .         .         .         .         .         .         .         .         .         .         .
 10730  76I         .         .         .         .         .         .         .         .         .         .         .         .
 10736  77I         .         .         .         .         .         .         .         .         .         .         .         .
 10742  78I         .         .         .         .         .         .         .         .         .         .         .         .
 10748  79I         .         .         .         .         .         .         .         .         .         .         .         .
 10754  80I         .         .         .         .         .         .         .         .         .         .         .         .
 10800  81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10806  82I         .         .         .         .         .         .         .         .         .         .         .         .
 10812  83I         .         .         .         .         .         .         .         .         .         .         .         .
 10818  84I         .         .         .         .         .         .         .         .         .         .         .         .
 10824  85I         .         .         .         .         .         .         .         .         .         .         .         .
 10830  86I         .         .         .         .         .         .         .         .         .         .         .         .
 10836  87I         .         .         .         .         .         .         .         .         .         .         .         .
 10842  88I         .         .         .         .         .         .         .         .         .         .         .         .
 10848  89I         .         .         .         .         .         .         .         .         .         .         .         .
 10854  90I         .         .         .         .         .         .         .         .         .         .         .         .
 10900  91I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10906  92I         .         .         .         .         .         .         .         .         .         .         .         .
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10912   93I
10918   94I
10924   95I
10930   96I
10936   97I
10942   98I
10948   99I
10954 1000I
11000 1010I
11006 102.I
11012 103.I
11018 104.I
11024 105.I
11030 106.I
11036 107.I
11042 108.OI
11048 109.OI
11054 110. I
11100 111. I
11106 112. OI
11112 113. OI
11118 114.  OI
11124 115.  OI
11130 116.   OI
11136 117.   O I
11142 118.    O I
11148 119.     O   I
11154 120.      O       I
11200 121.         O             I
11206 122.              O                   I
11212 123.                       O                 I
11218 124.                                  O           I
11224 125.                                         O       I
11230 126.                                              O     I
11236 127.                                                 O  I
11242 128.                                                   IO
11248 129.                                                I   O
11254 130.                                           I       O
11300 131.                                      I         O
11306 132.                                 I         O
11312 133.                             I        O
11318 134.                         I       O
11324 135.                      I      O
11330 136.                    I    O
11336 137.                  I   O
11342 138.                I   O
11348 139.               I  O
11354 140.              I O
11400 141.             I O
11406 142.            I O
11412 143.           I O
11418 144.           IO
11424 145.          IO
11430 146.          IO
11436 147.          IO
11442 148.          IO
11448 149.         IO
11454 150.         IO
11500 151.         I
11506 152.         I
11512 153.        IO
11518 154.        IO
11524 155.       I
11530 156.       I
11536 157.       I
11542 158.      IO
11548 159.      IO
11554 160.      I
11600 161.      I
11606 162.      I
11612 163.      I
11618 164.      I
11624 165.     IO
11630 166.     IO
11636 167.     I
11642 168.     I
11648 169.     I
11654 170.     I
11700 171.    IO
11706 172.    IO
11712 173.    I
11718 174.    I
11724 175.    I
11730 176.   IO
11736 177.   IO
11742 178.   I
11748 179.   I
11754 180.   I
11800 181.   I
11806 182.   I
11812 183.   I
11818 184.  IO
11824 185.  IO
11830 186.  I
11836 187.  I
11842 188.  I
11848 189.  I
11854 190.  I
11900 191.  I
11906 192.  I
11912 193.  I
11918 194.  I
11924 195.  I
11930 196.  I
11936 197.  I
11942 198.  I
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11948 199.  I      .         .         .         .         .         .         .         .         .         .         .         .
11954 200.  I      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  I      .         .         .         .         .         .         .         .         .         .         .         .
12012 203.  I      .         .         .         .         .         .         .         .         .         .         .         .
12018 204.  I      .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  I      .         .         .         .         .         .         .         .         .         .         .         .
12030 206.  I      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.  I      .         .         .         .         .         .         .         .         .         .         .         .
12042 208.  I      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  I      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.  I      .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  I      .         .         .         .         .         .         .         .         .         .         .         .
12112 213.  I      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  I      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  I      .         .         .         .         .         .         .         .         .         .         .         .
12130 216. IO      .         .         .         .         .         .         .         .         .         .         .         .
12136 217. IO      .         .         .         .         .         .         .         .         .         .         .         .
12142 218. I       .         .         .         .         .         .         .         .         .         .         .         .
12148 219. I       .         .         .         .         .         .         .         .         .         .         .         .
12154 220. I       .         .         .         .         .         .         .         .         .         .         .         .
12200 221. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222. I       .         .         .         .         .         .         .         .         .         .         .         .
12212 223. I       .         .         .         .         .         .         .         .         .         .         .         .
12218 224. I       .         .         .         .         .         .         .         .         .         .         .         .
12224 225. I       .         .         .         .         .         .         .         .         .         .         .         .
12230 226. I       .         .         .         .         .         .         .         .         .         .         .         .
12236 227. I       .         .         .         .         .         .         .         .         .         .         .         .
12242 228. I       .         .         .         .         .         .         .         .         .         .         .         .
12248 229. I       .         .         .         .         .         .         .         .         .         .         .         .
12254 230. I       .         .         .         .         .         .         .         .         .         .         .         .
12300 231. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. I       .         .         .         .         .         .         .         .         .         .         .         .
12312 233. I       .         .         .         .         .         .         .         .         .         .         .         .
12318 234. I       .         .         .         .         .         .         .         .         .         .         .         .
12324 235. I       .         .         .         .         .         .         .         .         .         .         .         .
12330 236. I       .         .         .         .         .         .         .         .         .         .         .         .
12336 237. I       .         .         .         .         .         .         .         .         .         .         .         .
12342 238. I       .         .         .         .         .         .         .         .         .         .         .         .
12348 239. I       .         .         .         .         .         .         .         .         .         .         .         .
12354 240. I       .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-I-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION C2TOE
PLAN 1, RATIO = 1.00

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	31.	1		1818	184	4.
1		0006	2	0.	1		0612	63	0.	1		1218	124	45.	1		1824	185	4.
1		0012	3	0.	1		0618	64	0.	1		1224	125	54.	1		1830	186	4.
1		0018	4	0.	1		0624	65	0.	1		1230	126	60.	1		1836	187	4.
1		0024	5	0.	1		0630	66	0.	1		1236	127	64.	1		1842	188	4.
1		0030	6	0.	1		0636	67	0.	1		1242	128	67.	1		1848	189	4.
1		0036	7	0.	1		0642	68	0.	1		1248	129	68.	1		1854	190	4.
1		0042	8	0.	1		0648	69	0.	1		1254	130	66.	1		1900	191	4.
1		0048	9	0.	1		0654	70	0.	1		1300	131	61.	1		1906	192	4.
1		0054	10	0.	1		0700	71	0.	1		1306	132	55.	1		1912	193	4.
1		0100	11	0.	1		0706	72	0.	1		1312	133	48.	1		1918	194	4.
1		0106	12	0.	1		0712	73	0.	1		1318	134	42.	1		1924	195	4.
1		0112	13	0.	1		0718	74	0.	1		1324	135	37.	1		1930	196	4.
1		0118	14	0.	1		0724	75	0.	1		1330	136	32.	1		1936	197	4.
1		0124	15	0.	1		0730	76	0.	1		1336	137	29.	1		1942	198	4.
1		0130	16	0.	1		0736	77	0.	1		1342	138	26.	1		1948	199	4.
1		0136	17	0.	1		0742	78	0.	1		1348	139	23.	1		1954	200	3.
1		0142	18	0.	1		0748	79	0.	1		1354	140	21.	1		2000	201	4.
1		0148	19	0.	1		0754	80	0.	1		1400	141	20.	1		2006	202	4.
1		0154	20	0.	1		0800	81	0.	1		1406	142	18.	1		2012	203	3.
1		0200	21	0.	1		0806	82	0.	1		1412	143	17.	1		2018	204	3.
1		0206	22	0.	1		0812	83	0.	1		1418	144	16.	1		2024	205	3.
1		0212	23	0.	1		0818	84	0.	1		1424	145	15.	1		2030	206	3.
1		0218	24	0.	1		0824	85	0.	1		1430	146	14.	1		2036	207	3.
1		0224	25	0.	1		0830	86	0.	1		1436	147	13.	1		2042	208	3.
1		0230	26	0.	1		0836	87	0.	1		1442	148	13.	1		2048	209	3.
1		0236	27	0.	1		0842	88	0.	1		1448	149	12.	1		2054	210	3.
1		0242	28	0.	1		0848	89	0.	1		1454	150	12.	1		2100	211	3.
1		0248	29	0.	1		0854	90	0.	1		1500	151	11.	1		2106	212	3.
1		0254	30	0.	1		0900	91	0.	1		1506	152	11.	1		2112	213	3.
1		0300	31	0.	1		0906	92	0.	1		1512	153	11.	1		2118	214	3.
1		0306	32	0.	1		0912	93	0.	1		1518	154	10.	1		2124	215	3.
1		0312	33	0.	1		0918	94	0.	1		1524	155	10.	1		2130	216	3.
1		0318	34	0.	1		0924	95	0.	1		1530	156	10.	1		2136	217	3.
1		0324	35	0.	1		0930	96	0.	1		1536	157	9.	1		2142	218	3.
1		0330	36	0.	1		0936	97	1.	1		1542	158	9.	1		2148	219	3.
1		0336	37	0.	1		0942	98	1.	1		1548	159	9.	1		2154	220	3.
1		0342	38	0.	1		0948	99	1.	1		1554	160	9.	1		2200	221	3.
1		0348	39	0.	1		0954	100	1.	1		1600	161	9.	1		2206	222	3.
1		0354	40	0.	1		1000	101	1.	1		1606	162	8.	1		2212	223	3.
1		0400	41	0.	1		1006	102	1.	1		1612	163	8.	1		2218	224	3.
1		0406	42	0.	1		1012	103	1.	1		1618	164	8.	1		2224	225	3.
1		0412	43	0.	1		1018	104	1.	1		1624	165	8.	1		2230	226	3.
1		0418	44	0.	1		1024	105	2.	1		1630	166	8.	1		2236	227	3.
1		0424	45	0.	1		1030	106	2.	1		1636	167	8.	1		2242	228	3.
1		0430	46	0.	1		1036	107	2.	1		1642	168	7.	1		2248	229	3.
1		0436	47	0.	1		1042	108	2.	1		1648	169	7.	1		2254	230	3.
1		0442	48	0.	1		1048	109	3.	1		1654	170	7.	1		2300	231	3.
1		0448	49	0.	1		1054	110	3.	1		1700	171	7.	1		2306	232	3.
1		0454	50	0.	1		1100	111	3.	1		1706	172	7.	1		2312	233	3.
1		0500	51	0.	1		1106	112	3.	1		1712	173	6.	1		2318	234	3.
1		0506	52	0.	1		1112	113	4.	1		1718	174	6.	1		2324	235	3.

CALIFONHYDROLOGY

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 1   0512  53     0.  *   1   1118  114    4.  *   1   1724  175    6.  *   1   2330  236    3.
 1   0518  54     0.  *   1   1124  115    5.  *   1   1730  176    6.  *   1   2336  237    3.
 1   0524  55     0.  *   1   1130  116    5.  *   1   1736  177    6.  *   1   2342  238    3.
 1   0530  56     0.  *   1   1136  117    6.  *   1   1742  178    5.  *   1   2348  239    3.
 1   0536  57     0.  *   1   1142  118    7.  *   1   1748  179    5.  *   1   2354  240    3.
 1   0542  58     0.  *   1   1148  119    8.  *   1   1754  180    5.  *   2   0000  241    2.
 1   0548  59     0.  *   1   1154  120    9.  *   1   1800  181    5.  *
 1   0554  60     0.  *   1   1200  121   13.  *   1   1806  182    5.  *
 1   0600  61     0.  *   1   1206  122   20.  *   1   1812  183    5.  *
                      *                        *                        *
*************************************************************************************************************************

  PEAK FLOW     TIME                        MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR       24.00-HR
+   (CFS)       (HR)
                            (CFS)
+     68.      12.80                 21.          6.          6.           6.
                          (INCHES)  3.207       3.893       3.893        3.893
                          (AC-FT)    10.         13.         13.          13.

                          CUMULATIVE AREA =     .06 SQ MI

1                                                    STATION     C2TOE

                                 (I) INFLOW,  (O) OUTFLOW
             0.        10.        20.        30.        40.        50.        60.        70.         0.         0.         0.         0.         0.
DAHRMN PER
10000   1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
10006   2I         .         .         .         .         .         .         .         .         .         .         .         .
10012   3I         .         .         .         .         .         .         .         .         .         .         .         .
10018   4I         .         .         .         .         .         .         .         .         .         .         .         .
10024   5I         .         .         .         .         .         .         .         .         .         .         .         .
10030   6I         .         .         .         .         .         .         .         .         .         .         .         .
10036   7I         .         .         .         .         .         .         .         .         .         .         .         .
10042   8I         .         .         .         .         .         .         .         .         .         .         .         .
10048   9I         .         .         .         .         .         .         .         .         .         .         .         .
10054  10I         .         .         .         .         .         .         .         .         .         .         .         .
10100  11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106  12I         .         .         .         .         .         .         .         .         .         .         .         .
10112  13I         .         .         .         .         .         .         .         .         .         .         .         .
10118  14I         .         .         .         .         .         .         .         .         .         .         .         .
10124  15I         .         .         .         .         .         .         .         .         .         .         .         .
10130  16I         .         .         .         .         .         .         .         .         .         .         .         .
10136  17I         .         .         .         .         .         .         .         .         .         .         .         .
10142  18I         .         .         .         .         .         .         .         .         .         .         .         .
10148  19I         .         .         .         .         .         .         .         .         .         .         .         .
10154  20I         .         .         .         .         .         .         .         .         .         .         .         .
10200  21I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  22I         .         .         .         .         .         .         .         .         .         .         .         .
10212  23I         .         .         .         .         .         .         .         .         .         .         .         .
10218  24I         .         .         .         .         .         .         .         .         .         .         .         .
10224  25I         .         .         .         .         .         .         .         .         .         .         .         .
10230  26I         .         .         .         .         .         .         .         .         .         .         .         .
10236  27I         .         .         .         .         .         .         .         .         .         .         .         .
10242  28I         .         .         .         .         .         .         .         .         .         .         .         .
10248  29I         .         .         .         .         .         .         .         .         .         .         .         .
10254  30I         .         .         .         .         .         .         .         .         .         .         .         .
10300  31I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  32I         .         .         .         .         .         .         .         .         .         .         .         .
10312  33I         .         .         .         .         .         .         .         .         .         .         .         .
10318  34I         .         .         .         .         .         .         .         .         .         .         .         .
10324  35I         .         .         .         .         .         .         .         .         .         .         .         .
10330  36I         .         .         .         .         .         .         .         .         .         .         .         .
10336  37I         .         .         .         .         .         .         .         .         .         .         .         .
10342  38I         .         .         .         .         .         .         .         .         .         .         .         .
10348  39I         .         .         .         .         .         .         .         .         .         .         .         .
10354  40I         .         .         .         .         .         .         .         .         .         .         .         .
10400  41I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  42I         .         .         .         .         .         .         .         .         .         .         .         .
10412  43I         .         .         .         .         .         .         .         .         .         .         .         .
10418  44I         .         .         .         .         .         .         .         .         .         .         .         .
10424  45I         .         .         .         .         .         .         .         .         .         .         .         .
10430  46I         .         .         .         .         .         .         .         .         .         .         .         .
10436  47I         .         .         .         .         .         .         .         .         .         .         .         .
10442  48I         .         .         .         .         .         .         .         .         .         .         .         .
10448  49I         .         .         .         .         .         .         .         .         .         .         .         .
10454  50I         .         .         .         .         .         .         .         .         .         .         .         .
10500  51I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10506  52I         .         .         .         .         .         .         .         .         .         .         .         .
10512  53I         .         .         .         .         .         .         .         .         .         .         .         .
10518  54I         .         .         .         .         .         .         .         .         .         .         .         .
10524  55I         .         .         .         .         .         .         .         .         .         .         .         .
10530  56I         .         .         .         .         .         .         .         .         .         .         .         .
10536  57I         .         .         .         .         .         .         .         .         .         .         .         .
10542  58I         .         .         .         .         .         .         .         .         .         .         .         .
10548  59I         .         .         .         .         .         .         .         .         .         .         .         .
10554  60I         .         .         .         .         .         .         .         .         .         .         .         .
10600  61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  62I         .         .         .         .         .         .         .         .         .         .         .         .
10612  63I         .         .         .         .         .         .         .         .         .         .         .         .
10618  64I         .         .         .         .         .         .         .         .         .         .         .         .
10624  65I         .         .         .         .         .         .         .         .         .         .         .         .
10630  66I         .         .         .         .         .         .         .         .         .         .         .         .
10636  67I         .         .         .         .         .         .         .         .         .         .         .         .
10642  68I         .         .         .         .         .         .         .         .         .         .         .         .
10648  69I         .         .         .         .         .         .         .         .         .         .         .         .
10654  70I         .         .         .         .         .         .         .         .         .         .         .         .
10700  71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10706  72I         .         .         .         .         .         .         .         .         .         .         .         .
10712  73I         .         .         .         .         .         .         .         .         .         .         .         .
10718  74I         .         .         .         .         .         .         .         .         .         .         .         .
10724  75I         .         .         .         .         .         .         .         .         .         .         .         .
10730  76I         .         .         .         .         .         .         .         .         .         .         .         .
10736  77I         .         .         .         .         .         .         .         .         .         .         .         .
10742  78I         .         .         .         .         .         .         .         .         .         .         .         .
10748  79I         .         .         .         .         .         .         .         .         .         .         .         .
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10754  80I         .         .         .         .         .         .         .         .         .         .         .         .
10800  81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  82I         .         .         .         .         .         .         .         .         .         .         .         .
10812  83I         .         .         .         .         .         .         .         .         .         .         .         .
10818  84I         .         .         .         .         .         .         .         .         .         .         .         .
10824  85I         .         .         .         .         .         .         .         .         .         .         .         .
10830  86I         .         .         .         .         .         .         .         .         .         .         .         .
10836  87I         .         .         .         .         .         .         .         .         .         .         .         .
10842  88I         .         .         .         .         .         .         .         .         .         .         .         .
10848  89I         .         .         .         .         .         .         .         .         .         .         .         .
10854  90I         .         .         .         .         .         .         .         .         .         .         .         .
10900  91I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  92I         .         .         .         .         .         .         .         .         .         .         .         .
10912  93I         .         .         .         .         .         .         .         .         .         .         .         .
10918  94I         .         .         .         .         .         .         .         .         .         .         .         .
10924  95OI        .         .         .         .         .         .         .         .         .         .         .         .
10930  96OI        .         .         .         .         .         .         .         .         .         .         .         .
10936  97.I        .         .         .         .         .         .         .         .         .         .         .         .
10942  98.I        .         .         .         .         .         .         .         .         .         .         .         .
10948  99.I        .         .         .         .         .         .         .         .         .         .         .         .
10954 100.I        .         .         .         .         .         .         .         .         .         .         .         .
11000 101.I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 102.I        .         .         .         .         .         .         .         .         .         .         .         .
11012 103.OI       .         .         .         .         .         .         .         .         .         .         .         .
11018 104.OI       .         .         .         .         .         .         .         .         .         .         .         .
11024 105. I       .         .         .         .         .         .         .         .         .         .         .         .
11030 106. I       .         .         .         .         .         .         .         .         .         .         .         .
11036 107. OI      .         .         .         .         .         .         .         .         .         .         .         .
11042 108. OI      .         .         .         .         .         .         .         .         .         .         .         .
11048 109.  I      .         .         .         .         .         .         .         .         .         .         .         .
11054 110.  I      .         .         .         .         .         .         .         .         .         .         .         .
11100 111. .OI . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11112 113.   OI    .         .         .         .         .         .         .         .         .         .         .         .
11118 114.   OI    .         .         .         .         .         .         .         .         .         .         .         .
11124 115.    OI   .         .         .         .         .         .         .         .         .         .         .         .
11130 116.    O I  .         .         .         .         .         .         .         .         .         .         .         .
11136 117.     O I .         .         .         .         .         .         .         .         .         .         .         .
11142 118.      O I.         .         .         .         .         .         .         .         .         .         .         .
11148 119.       O .  I      .         .         .         .         .         .         .         .         .         .         .
11154 120.        O.         I         .         .         .         .         .         .         .         .         .         .
11200 121. . . . . . .O. . . . . . . . .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         .         O         .         .    I    .         .         .         .         .         .         .         .
11212 123.         .         .         .O        .         .   I     .         .         .         .         .         .         .
11218 124.         .         .         .         .    O    .         I         .         .         .         .         .         .
11224 125.         .         .         .         .         .   O     .   I     .         .         .         .         .         .
11230 126.         .         .         .         .         .         O      I  .         .         .         .         .         .
11236 127.         .         .         .         .         .         .   O   I .         .         .         .         .         .
11242 128.         .         .         .         .         .         .     IO  .         .         .         .         .         .
11248 129.         .         .         .         .         .         .I      O .         .         .         .         .         .
11254 130.         .         .         .         .         .    I    .     O   .         .         .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . . . .I. . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .         . I       .    O    .         .         .         .         .         .         .
11312 133.         .         .         .      I  .       O .         .         .         .         .         .         .         .
11318 134.         .         .         . I       . O       .         .         .         .         .         .         .         .
11324 135.         .         .        I.      O  .         .         .         .         .         .         .         .         .
11330 136.         .         .     I   . O       .         .         .         .         .         .         .         .         .
11336 137.         .         .  I     O.         .         .         .         .         .         .         .         .         .
11342 138.         .         .I    O   .         .         .         .         .         .         .         .         .         .
11348 139.         .         I  O      .         .         .         .         .         .         .         .         .         .
11354 140.         .       I .O        .         .         .         .         .         .         .         .         .         .
11400 141. . . . . . . . .I. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .     I O .         .         .         .         .         .         .         .         .         .         .
11412 143.         .    I O  .         .         .         .         .         .         .         .         .         .         .
11418 144.         .   I O   .         .         .         .         .         .         .         .         .         .         .
11424 145.         .  I O    .         .         .         .         .         .         .         .         .         .         .
11430 146.         .  IO     .         .         .         .         .         .         .         .         .         .         .
11436 147.         . IO      .         .         .         .         .         .         .         .         .         .         .
11442 148.         . IO      .         .         .         .         .         .         .         .         .         .         .
11448 149.         .IO       .         .         .         .         .         .         .         .         .         .         .
11454 150.         .IO       .         .         .         .         .         .         .         .         .         .         .
11500 151. . . . . .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.         IO        .         .         .         .         .         .         .         .         .         .         .
11512 153.         IO        .         .         .         .         .         .         .         .         .         .         .
11518 154.         I         .         .         .         .         .         .         .         .         .         .         .
11524 155.        IO         .         .         .         .         .         .         .         .         .         .         .
11530 156.        IO         .         .         .         .         .         .         .         .         .         .         .
11536 157.        I.         .         .         .         .         .         .         .         .         .         .         .
11542 158.        I.         .         .         .         .         .         .         .         .         .         .         .
11548 159.        I.         .         .         .         .         .         .         .         .         .         .         .
11554 160.       IO.         .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . IO. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.       I .         .         .         .         .         .         .         .         .         .         .         .
11612 163.       I .         .         .         .         .         .         .         .         .         .         .         .
11618 164.       I .         .         .         .         .         .         .         .         .         .         .         .
11624 165.       I .         .         .         .         .         .         .         .         .         .         .         .
11630 166.      IO .         .         .         .         .         .         .         .         .         .         .         .
11636 167.      IO .         .         .         .         .         .         .         .         .         .         .         .
11642 168.      I  .         .         .         .         .         .         .         .         .         .         .         .
11648 169.      I  .         .         .         .         .         .         .         .         .         .         .         .
11654 170.      I  .         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . IO. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.     IO  .         .         .         .         .         .         .         .         .         .         .         .
11712 173.     I   .         .         .         .         .         .         .         .         .         .         .         .
11718 174.     I   .         .         .         .         .         .         .         .         .         .         .         .
11724 175.     I   .         .         .         .         .         .         .         .         .         .         .         .
11730 176.    IO   .         .         .         .         .         .         .         .         .         .         .         .
11736 177.    IO   .         .         .         .         .         .         .         .         .         .         .         .
11742 178.    I    .         .         .         .         .         .         .         .         .         .         .         .
11748 179.    I    .         .         .         .         .         .         .         .         .         .         .         .
11754 180.    I    .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.   IO    .         .         .         .         .         .         .         .         .         .         .         .
11812 183.   IO    .         .         .         .         .         .         .         .         .         .         .         .
11818 184.   I     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.   I     .         .         .         .         .         .         .         .         .         .         .         .
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11830 186.   I     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.   I     .         .         .         .         .         .         .         .         .         .         .         .
11842 188.   I     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.   I     .         .         .         .         .         .         .         .         .         .         .         .
11854 190.   I     .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.   I     .         .         .         .         .         .         .         .         .         .         .         .
11912 193.   I     .         .         .         .         .         .         .         .         .         .         .         .
11918 194.   I     .         .         .         .         .         .         .         .         .         .         .         .
11924 195.   I     .         .         .         .         .         .         .         .         .         .         .         .
11930 196.   I     .         .         .         .         .         .         .         .         .         .         .         .
11936 197.   I     .         .         .         .         .         .         .         .         .         .         .         .
11942 198.  IO     .         .         .         .         .         .         .         .         .         .         .         .
11948 199.   I     .         .         .         .         .         .         .         .         .         .         .         .
11954 200.  OI     .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .IO . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  IO     .         .         .         .         .         .         .         .         .         .         .         .
12012 203.  I      .         .         .         .         .         .         .         .         .         .         .         .
12018 204.  I      .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  I      .         .         .         .         .         .         .         .         .         .         .         .
12030 206.  I      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.  I      .         .         .         .         .         .         .         .         .         .         .         .
12042 208.  I      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  I      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.  I      .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  I      .         .         .         .         .         .         .         .         .         .         .         .
12112 213.  I      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  I      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  I      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  I      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  I      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  I      .         .         .         .         .         .         .         .         .         .         .         .
12148 219.  I      .         .         .         .         .         .         .         .         .         .         .         .
12154 220.  I      .         .         .         .         .         .         .         .         .         .         .         .
12200 221. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.  I      .         .         .         .         .         .         .         .         .         .         .         .
12212 223.  I      .         .         .         .         .         .         .         .         .         .         .         .
12218 224.  I      .         .         .         .         .         .         .         .         .         .         .         .
12224 225.  I      .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  I      .         .         .         .         .         .         .         .         .         .         .         .
12236 227.  I      .         .         .         .         .         .         .         .         .         .         .         .
12242 228.  I      .         .         .         .         .         .         .         .         .         .         .         .
12248 229.  I      .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  I      .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  I      .         .         .         .         .         .         .         .         .         .         .         .
12312 233.  I      .         .         .         .         .         .         .         .         .         .         .         .
12318 234.  I      .         .         .         .         .         .         .         .         .         .         .         .
12324 235.  I      .         .         .         .         .         .         .         .         .         .         .         .
12330 236.  I      .         .         .         .         .         .         .         .         .         .         .         .
12336 237.  I      .         .         .         .         .         .         .         .         .         .         .         .
12342 238.  I      .         .         .         .         .         .         .         .         .         .         .         .
12348 239. IO      .         .         .         .         .         .         .         .         .         .         .         .
12354 240. IO      .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-I-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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            *            *
110 KK      *   SUB E    *          SUBAREA E WATERSHED AREA
            *            *
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112 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          2  PRINT CONTROL
                      IPLOT          2  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE

            SUBBASIN RUNOFF DATA

113 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .02  SUBBASIN AREA

                PRECIPITATION DATA

 50 PB                STORM       8.00  BASIN TOTAL PRECIPITATION

 52 PI            INCREMENTAL PRECIPITATION PATTERN
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .01       .00       .01       .00       .01       .01       .01       .01       .01       .01
                      .01       .01       .01       .01       .01       .01       .02       .03       .05       .08
                      .08       .05       .03       .02       .01       .01       .01       .01       .01       .01
                      .01       .01       .01       .01       .01       .00       .01       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                      .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
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CALIFONHYDROLOGY

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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114 LS         SCS LOSS RATE
                   STRTL           .94  INITIAL ABSTRACTION
                   CRVNBR        68.00  CURVE NUMBER
                   RTIMP           .00  PERCENT IMPERVIOUS AREA

115 UD         SCS DIMENSIONLESS UNITGRAPH
                   TLAG            .15  LAG
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UNIT HYDROGRAPH
10 END-OF-PERIOD ORDINATES

24.	51.	35.	14.	7.	3.	1.	1.	0.	0.

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HYDROGRAPH AT STATION SUB E

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.67	.23	.44	42.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.43	.13	.30	49.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.28	.08	.20	44.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.13	.03	.09	33.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.10	.03	.08	23.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.10	.02	.07	16.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.09	.02	.07	12.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.07	.02	.05	10.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.07	.02	.05	9.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.01	.05	8.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.06	.01	.04	7.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.01	.05	7.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.05	.01	.04	6.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.06	.01	.04	6.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.05	.01	.04	6.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.04	.01	.03	5.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.05	.01	.04	5.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.04	.01	.03	5.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.04	.01	.03	5.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.04	.01	.03	4.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.04	.01	.03	4.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.04	.01	.03	4.
1		0212	23	.01	.01	.00	0.	*	1		1418	144	.03	.01	.03	4.
1		0218	24	.01	.01	.00	0.	*	1		1424	145	.03	.01	.03	4.
1		0224	25	.01	.01	.00	0.	*	1		1430	146	.04	.01	.03	4.
1		0230	26	.02	.02	.00	0.	*	1		1436	147	.03	.01	.03	4.
1		0236	27	.01	.01	.00	0.	*	1		1442	148	.03	.01	.03	4.
1		0242	28	.01	.01	.00	0.	*	1		1448	149	.02	.00	.02	3.
1		0248	29	.01	.01	.00	0.	*	1		1454	150	.03	.01	.03	3.
1		0254	30	.01	.01	.00	0.	*	1		1500	151	.03	.01	.03	3.
1		0300	31	.01	.01	.00	0.	*	1		1506	152	.03	.01	.03	3.
1		0306	32	.01	.01	.00	0.	*	1		1512	153	.02	.00	.02	3.
1		0312	33	.02	.02	.00	0.	*	1		1518	154	.03	.01	.03	3.
1		0318	34	.01	.01	.00	0.	*	1		1524	155	.02	.00	.02	3.
1		0324	35	.01	.01	.00	0.	*	1		1530	156	.02	.00	.02	3.
1		0330	36	.01	.01	.00	0.	*	1		1536	157	.03	.01	.03	3.
1		0336	37	.01	.01	.00	0.	*	1		1542	158	.02	.00	.02	3.
1		0342	38	.02	.02	.00	0.	*	1		1548	159	.02	.00	.02	3.
1		0348	39	.01	.01	.00	0.	*	1		1554	160	.02	.00	.02	3.
1		0354	40	.01	.01	.00	0.	*	1		1600	161	.02	.00	.02	3.
1		0400	41	.01	.01	.00	0.	*	1		1606	162	.02	.00	.02	3.
1		0406	42	.02	.02	.00	0.	*	1		1612	163	.02	.00	.02	3.
1		0412	43	.01	.01	.00	0.	*	1		1618	164	.02	.00	.02	3.
1		0418	44	.01	.01	.00	0.	*	1		1624	165	.02	.00	.02	3.
1		0424	45	.02	.02	.00	0.	*	1		1630	166	.02	.00	.01	3.
1		0430	46	.01	.01	.00	0.	*	1		1636	167	.02	.00	.02	2.
1		0436	47	.01	.01	.00	0.	*	1		1642	168	.02	.00	.02	2.
1		0442	48	.02	.02	.00	0.	*	1		1648	169	.02	.00	.01	2.
1		0448	49	.01	.01	.00	0.	*	1		1654	170	.02	.00	.01	2.
1		0454	50	.01	.01	.00	0.	*	1		1700	171	.01	.00	.01	2.
1		0500	51	.02	.02	.00	0.	*	1		1706	172	.02	.00	.01	2.
1		0506	52	.01	.01	.00	0.	*	1		1712	173	.02	.00	.01	2.
1		0512	53	.02	.02	.00	0.	*	1		1718	174	.02	.00	.01	2.
1		0518	54	.01	.01	.00	0.	*	1		1724	175	.02	.00	.01	2.
1		0524	55	.02	.02	.00	0.	*	1		1730	176	.01	.00	.01	2.
1		0530	56	.01	.01	.00	0.	*	1		1736	177	.02	.00	.01	1.
1		0536	57	.02	.02	.00	0.	*	1		1742	178	.02	.00	.01	2.
1		0542	58	.01	.01	.00	0.	*	1		1748	179	.01	.00	.01	2.
1		0548	59	.02	.02	.00	0.	*	1		1754	180	.02	.00	.01	1.
1		0554	60	.01	.01	.00	0.	*	1		1800	181	.02	.00	.01	2.
1		0600	61	.02	.02	.00	0.	*	1		1806	182	.01	.00	.01	2.
1		0606	62	.02	.02	.00	0.	*	1		1812	183	.02	.00	.01	1.
1		0612	63	.01	.01	.00	0.	*	1		1818	184	.01	.00	.01	1.
1		0618	64	.02	.02	.00	0.	*	1		1824	185	.02	.00	.01	1.
1		0624	65	.02	.02	.00	0.	*	1		1830	186	.01	.00	.01	1.
1		0630	66	.01	.01	.00	0.	*	1		1836	187	.02	.00	.01	1.
1		0636	67	.02	.02	.00	0.	*	1		1842	188	.01	.00	.01	1.
1		0642	68	.02	.02	.00	0.	*	1		1848	189	.02	.00	.01	1.
1		0648	69	.01	.01	.00	0.	*	1		1854	190	.01	.00	.01	1.
1		0654	70	.02	.02	.00	0.	*	1		1900	191	.02	.00	.01	1.
1		0700	71	.02	.02	.00	0.	*	1		1906	192	.01	.00	.01	1.
1		0706	72	.02	.02	.00	0.	*	1		1912	193	.01	.00	.01	1.
1		0712	73	.02	.02	.00	0.	*	1		1918	194	.02	.00	.01	1.
1		0718	74	.02	.02	.00	0.	*	1		1924	195	.01	.00	.01	1.
1		0724	75	.02	.02	.00	0.	*	1		1930	196	.02	.00	.01	1.
1		0730	76	.02	.02	.00	0.	*	1		1936	197	.01	.00	.01	1.
1		0736	77	.02	.02	.00	0.	*	1		1942	198	.01	.00	.01	1.
1		0742	78	.02	.02	.00	0.	*	1		1948	199	.02	.00	.01	1.
1		0748	79	.02	.02	.00	0.	*	1		1954	200	.01	.00	.01	1.
1		0754	80	.02	.02	.00	0.	*	1		2000	201	.01	.00	.01	1.
1		0800	81	.02	.02	.00	0.	*	1		2006	202	.01	.00	.01	1.

1		0806	82	.02	.02	.00	0.	*	1		2012	203	.02	.00	.01	1.
1		0812	83	.02	.02	.00	0.	*	1		2018	204	.01	.00	.01	1.
1		0818	84	.02	.02	.00	0.	*	1		2024	205	.01	.00	.01	1.
1		0824	85	.02	.02	.00	0.	*	1		2030	206	.01	.00	.01	1.
1		0830	86	.02	.02	.00	0.	*	1		2036	207	.02	.00	.01	1.
1		0836	87	.03	.03	.00	0.	*	1		2042	208	.01	.00	.01	1.
1		0842	88	.02	.02	.00	0.	*	1		2048	209	.01	.00	.01	1.
1		0848	89	.02	.02	.00	0.	*	1		2054	210	.01	.00	.01	1.
1		0854	90	.03	.03	.00	0.	*	1		2100	211	.01	.00	.01	1.
1		0900	91	.03	.03	.00	0.	*	1		2106	212	.02	.00	.01	1.
1		0906	92	.02	.02	.00	0.	*	1		2112	213	.01	.00	.01	1.
1		0912	93	.03	.03	.00	0.	*	1		2118	214	.01	.00	.01	1.
1		0918	94	.03	.03	.00	0.	*	1		2124	215	.01	.00	.01	1.
1		0924	95	.03	.03	.00	0.	*	1		2130	216	.01	.00	.01	1.
1		0930	96	.03	.03	.00	1.	*	1		2136	217	.01	.00	.01	1.
1		0936	97	.03	.03	.00	1.	*	1		2142	218	.01	.00	.01	1.
1		0942	98	.04	.03	.01	1.	*	1		2148	219	.01	.00	.01	1.
1		0948	99	.03	.03	.01	1.	*	1		2154	220	.01	.00	.01	1.
1		0954	100	.04	.03	.01	1.	*	1		2200	221	.02	.00	.01	1.
1		1000	101	.03	.03	.01	1.	*	1		2206	222	.01	.00	.01	1.
1		1006	102	.04	.03	.01	1.	*	1		2212	223	.01	.00	.01	1.
1		1012	103	.04	.03	.01	1.	*	1		2218	224	.01	.00	.01	1.
1		1018	104	.05	.04	.01	1.	*	1		2224	225	.01	.00	.01	1.
1		1024	105	.04	.03	.01	1.	*	1		2230	226	.01	.00	.01	1.
1		1030	106	.05	.04	.01	1.	*	1		2236	227	.01	.00	.01	1.
1		1036	107	.05	.03	.01	2.	*	1		2242	228	.01	.00	.01	1.
1		1042	108	.05	.03	.01	2.	*	1		2248	229	.01	.00	.01	1.
1		1048	109	.06	.04	.02	2.	*	1		2254	230	.01	.00	.01	1.
1		1054	110	.06	.04	.02	2.	*	1		2300	231	.01	.00	.01	1.
1		1100	111	.06	.04	.02	2.	*	1		2306	232	.01	.00	.01	1.
1		1106	112	.06	.04	.02	3.	*	1		2312	233	.01	.00	.01	1.
1		1112	113	.06	.04	.02	3.	*	1		2318	234	.01	.00	.01	1.
1		1118	114	.08	.05	.03	3.	*	1		2324	235	.01	.00	.01	1.
1		1124	115	.09	.05	.03	4.	*	1		2330	236	.01	.00	.01	1.
1		1130	116	.09	.05	.04	4.	*	1		2336	237	.01	.00	.01	1.
1		1136	117	.11	.06	.05	5.	*	1		2342	238	.01	.00	.01	1.
1		1142	118	.13	.07	.06	6.	*	1		2348	239	.00	.00	.00	1.
1		1148	119	.28	.15	.13	9.	*	1		2354	240	.00	.00	.00	1.
1		1154	120	.42	.20	.23	15.	*	2		0000	241	.01	.00	.01	1.
1		1200	121	.67	.27	.40	27.	*								

```
TOTAL RAINFALL =    8.00, TOTAL LOSS =    3.76, TOTAL EXCESS =    4.24

  PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                       6-HR        24-HR        72-HR      24.00-HR
+   (CFS)        (HR)
                              (CFS)
+     49.       12.20                    8.          2.           2.           2.
                            (INCHES)   3.467       4.224        4.224        4.224
                             (AC-FT)     4.          5.           5.           5.

                         CUMULATIVE AREA =     .02 SQ MI
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HYDROGRAPH AT STATION SUB E
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.36	.22	.15	12.
1		0006	2	.00	.00	.00	0.	*	1		1212	123	.23	.13	.11	15.
1		0012	3	.00	.00	.00	0.	*	1		1218	124	.15	.08	.07	14.
1		0018	4	.00	.00	.00	0.	*	1		1224	125	.07	.03	.03	11.
1		0024	5	.00	.00	.00	0.	*	1		1230	126	.06	.03	.03	8.
1		0030	6	.00	.00	.00	0.	*	1		1236	127	.05	.02	.03	6.
1		0036	7	.00	.00	.00	0.	*	1		1242	128	.05	.02	.03	5.
1		0042	8	.00	.00	.00	0.	*	1		1248	129	.04	.02	.02	4.
1		0048	9	.00	.00	.00	0.	*	1		1254	130	.04	.02	.02	3.
1		0054	10	.00	.00	.00	0.	*	1		1300	131	.03	.02	.02	3.
1		0100	11	.00	.00	.00	0.	*	1		1306	132	.03	.01	.02	3.
1		0106	12	.00	.00	.00	0.	*	1		1312	133	.03	.02	.02	3.
1		0112	13	.00	.00	.00	0.	*	1		1318	134	.03	.01	.01	2.
1		0118	14	.00	.00	.00	0.	*	1		1324	135	.03	.01	.02	2.
1		0124	15	.00	.00	.00	0.	*	1		1330	136	.03	.01	.01	2.
1		0130	16	.00	.00	.00	0.	*	1		1336	137	.02	.01	.01	2.
1		0136	17	.00	.00	.00	0.	*	1		1342	138	.03	.01	.01	2.
1		0142	18	.00	.00	.00	0.	*	1		1348	139	.02	.01	.01	2.
1		0148	19	.00	.00	.00	0.	*	1		1354	140	.02	.01	.01	2.
1		0154	20	.00	.00	.00	0.	*	1		1400	141	.02	.01	.01	2.
1		0200	21	.00	.00	.00	0.	*	1		1406	142	.02	.01	.01	2.
1		0206	22	.00	.00	.00	0.	*	1		1412	143	.02	.01	.01	2.
1		0212	23	.00	.00	.00	0.	*	1		1418	144	.02	.01	.01	2.
1		0218	24	.00	.00	.00	0.	*	1		1424	145	.02	.01	.01	2.
1		0224	25	.00	.00	.00	0.	*	1		1430	146	.02	.01	.01	1.
1		0230	26	.01	.01	.00	0.	*	1		1436	147	.02	.01	.01	2.
1		0236	27	.00	.00	.00	0.	*	1		1442	148	.02	.01	.01	1.
1		0242	28	.00	.00	.00	0.	*	1		1448	149	.01	.01	.01	1.
1		0248	29	.00	.00	.00	0.	*	1		1454	150	.02	.01	.01	1.
1		0254	30	.00	.00	.00	0.	*	1		1500	151	.02	.01	.01	1.
1		0300	31	.00	.00	.00	0.	*	1		1506	152	.02	.01	.01	1.
1		0306	32	.00	.00	.00	0.	*	1		1512	153	.01	.01	.01	1.
1		0312	33	.01	.01	.00	0.	*	1		1518	154	.02	.01	.01	1.
1		0318	34	.00	.00	.00	0.	*	1		1524	155	.01	.01	.01	1.
1		0324	35	.00	.00	.00	0.	*	1		1530	156	.01	.01	.01	1.
1		0330	36	.00	.00	.00	0.	*	1		1536	157	.02	.01	.01	1.
1		0336	37	.00	.00	.00	0.	*	1		1542	158	.01	.01	.01	1.
1		0342	38	.01	.01	.00	0.	*	1		1548	159	.01	.01	.01	1.
1		0348	39	.00	.00	.00	0.	*	1		1554	160	.01	.01	.01	1.
1		0354	40	.00	.00	.00	0.	*	1		1600	161	.01	.00	.01	1.
1		0400	41	.00	.00	.00	0.	*	1		1606	162	.01	.00	.01	1.

1	0406	42	.01	.01	.00	0.
1	0412	43	.00	.00	.00	0.
1	0418	44	.00	.00	.00	0.
1	0424	45	.01	.01	.00	0.
1	0430	46	.00	.00	.00	0.
1	0436	47	.00	.00	.00	0.
1	0442	48	.01	.01	.00	0.
1	0448	49	.00	.00	.00	0.
1	0454	50	.00	.00	.00	0.
1	0500	51	.01	.01	.00	0.
1	0506	52	.00	.00	.00	0.
1	0512	53	.01	.01	.00	0.
1	0518	54	.00	.00	.00	0.
1	0524	55	.01	.01	.00	0.
1	0530	56	.00	.00	.00	0.
1	0536	57	.01	.01	.00	0.
1	0542	58	.00	.00	.00	0.
1	0548	59	.01	.01	.00	0.
1	0554	60	.00	.00	.00	0.
1	0600	61	.01	.01	.00	0.
1	0606	62	.01	.01	.00	0.
1	0612	63	.00	.00	.00	0.
1	0618	64	.01	.01	.00	0.
1	0624	65	.01	.01	.00	0.
1	0630	66	.00	.00	.00	0.
1	0636	67	.01	.01	.00	0.
1	0642	68	.01	.01	.00	0.
1	0648	69	.00	.00	.00	0.
1	0654	70	.01	.01	.00	0.
1	0700	71	.01	.01	.00	0.
1	0706	72	.01	.01	.00	0.
1	0712	73	.01	.01	.00	0.
1	0718	74	.01	.01	.00	0.
1	0724	75	.01	.01	.00	0.
1	0730	76	.01	.01	.00	0.
1	0736	77	.01	.01	.00	0.
1	0742	78	.01	.01	.00	0.
1	0748	79	.01	.01	.00	0.
1	0754	80	.01	.01	.00	0.
1	0800	81	.01	.01	.00	0.
1	0806	82	.01	.01	.00	0.
1	0812	83	.01	.01	.00	0.
1	0818	84	.01	.01	.00	0.
1	0824	85	.01	.01	.00	0.
1	0830	86	.01	.01	.00	0.
1	0836	87	.02	.02	.00	0.
1	0842	88	.01	.01	.00	0.
1	0848	89	.01	.01	.00	0.
1	0854	90	.02	.02	.00	0.
1	0900	91	.02	.02	.00	0.
1	0906	92	.01	.01	.00	0.
1	0912	93	.02	.02	.00	0.
1	0918	94	.02	.02	.00	0.
1	0924	95	.02	.02	.00	0.
1	0930	96	.02	.02	.00	0.
1	0936	97	.02	.02	.00	0.
1	0942	98	.02	.02	.00	0.
1	0948	99	.02	.02	.00	0.
1	0954	100	.02	.02	.00	0.
1	1000	101	.02	.02	.00	0.
1	1006	102	.02	.02	.00	0.
1	1012	103	.02	.02	.00	0.
1	1018	104	.03	.03	.00	0.
1	1024	105	.02	.02	.00	0.
1	1030	106	.03	.03	.00	0.
1	1036	107	.03	.03	.00	0.
1	1042	108	.03	.03	.00	0.
1	1048	109	.03	.03	.00	0.
1	1054	110	.03	.03	.00	0.
1	1100	111	.03	.03	.00	0.
1	1106	112	.03	.03	.00	0.
1	1112	113	.03	.03	.00	0.
1	1118	114	.04	.04	.00	0.
1	1124	115	.05	.04	.00	0.
1	1130	116	.05	.04	.01	1.
1	1136	117	.06	.05	.01	1.
1	1142	118	.07	.06	.01	1.
1	1148	119	.15	.12	.03	2.
1	1154	120	.23	.17	.06	3.
1	1200	121	.36	.24	.12	7.

1	1612	163	.01	.00	.01	1.
1	1618	164	.01	.00	.01	1.
1	1624	165	.01	.00	.01	1.
1	1630	166	.01	.00	.01	1.
1	1636	167	.01	.00	.01	1.
1	1642	168	.01	.00	.01	1.
1	1648	169	.01	.00	.01	1.
1	1654	170	.01	.00	.01	1.
1	1700	171	.00	.00	.00	1.
1	1706	172	.01	.00	.01	1.
1	1712	173	.01	.00	.01	1.
1	1718	174	.01	.00	.01	1.
1	1724	175	.01	.00	.01	1.
1	1730	176	.00	.00	.00	1.
1	1736	177	.01	.00	.01	1.
1	1742	178	.01	.00	.01	1.
1	1748	179	.00	.00	.00	1.
1	1754	180	.01	.00	.01	1.
1	1800	181	.01	.00	.01	1.
1	1806	182	.00	.00	.00	1.
1	1812	183	.01	.00	.01	1.
1	1818	184	.00	.00	.00	1.
1	1824	185	.01	.00	.01	1.
1	1830	186	.00	.00	.00	1.
1	1836	187	.01	.00	.01	1.
1	1842	188	.00	.00	.00	1.
1	1848	189	.01	.00	.01	1.
1	1854	190	.00	.00	.00	1.
1	1900	191	.01	.00	.01	1.
1	1906	192	.00	.00	.00	1.
1	1912	193	.00	.00	.00	0.
1	1918	194	.01	.00	.01	0.
1	1924	195	.00	.00	.00	1.
1	1930	196	.01	.00	.01	1.
1	1936	197	.00	.00	.00	1.
1	1942	198	.00	.00	.00	0.
1	1948	199	.01	.00	.01	0.
1	1954	200	.00	.00	.00	1.
1	2000	201	.00	.00	.00	0.
1	2006	202	.00	.00	.00	0.
1	2012	203	.01	.00	.01	0.
1	2018	204	.00	.00	.00	1.
1	2024	205	.00	.00	.00	0.
1	2030	206	.00	.00	.00	0.
1	2036	207	.01	.00	.01	0.
1	2042	208	.00	.00	.00	1.
1	2048	209	.00	.00	.00	0.
1	2054	210	.00	.00	.00	0.
1	2100	211	.00	.00	.00	0.
1	2106	212	.01	.00	.01	0.
1	2112	213	.00	.00	.00	1.
1	2118	214	.00	.00	.00	0.
1	2124	215	.00	.00	.00	0.
1	2130	216	.00	.00	.00	0.
1	2136	217	.00	.00	.00	0.
1	2142	218	.00	.00	.00	0.
1	2148	219	.00	.00	.00	0.
1	2154	220	.00	.00	.00	0.
1	2200	221	.01	.00	.01	0.
1	2206	222	.00	.00	.00	1.
1	2212	223	.00	.00	.00	0.
1	2218	224	.00	.00	.00	0.
1	2224	225	.00	.00	.00	0.
1	2230	226	.00	.00	.00	0.
1	2236	227	.00	.00	.00	0.
1	2242	228	.00	.00	.00	0.
1	2248	229	.00	.00	.00	0.
1	2254	230	.00	.00	.00	0.
1	2300	231	.00	.00	.00	0.
1	2306	232	.00	.00	.00	0.
1	2312	233	.00	.00	.00	0.
1	2318	234	.00	.00	.00	0.
1	2324	235	.00	.00	.00	0.
1	2330	236	.00	.00	.00	0.
1	2336	237	.00	.00	.00	0.
1	2342	238	.00	.00	.00	0.
1	2348	239	.00	.00	.00	0.
1	2354	240	.00	.00	.00	0.
2	0000	241	.00	.00	.00	0.

```
     TOTAL RAINFALL =     4.30, TOTAL LOSS =    2.90, TOTAL EXCESS =    1.40

  PEAK FLOW      TIME                           MAXIMUM AVERAGE FLOW
                                        6-HR       24-HR       72-HR      24.00-HR
+   (CFS)        (HR)
                            (CFS)
+      15.       12.20                    3.          1.          1.           1.
                          (INCHES)     1.156       1.394       1.394        1.394
                           (AC-FT)        1.          2.          2.           2.

                          CUMULATIVE AREA =      .02 SQ MI
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1                                              STATION     SUB E

                          (O) OUTFLOW
         0.        2.        4.        6.        8.       10.       12.       14.       16.        0.        0.        0.        0.
                                                                                                       (L) PRECIP,   (X) EXCESS
         .0        .0        .0        .0        .0        .0        .0        .0        .4        .3        .2        .1        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
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```
10024   50          .         .         .         .         .         .         .         .         .         .         .            .
10030   60          .         .         .         .         .         .         .         .         .         .         .            .
10036   70          .         .         .         .         .         .         .         .         .         .         .            .
10042   80          .         .         .         .         .         .         .         .         .         .         .            .
10048   90          .         .         .         .         .         .         .         .         .         .         .            .
10054  100          .         .         .         .         .         .         .         .         .         .         .            .
10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106  120          .         .         .         .         .         .         .         .         .         .         .            .
10112  130          .         .         .         .         .         .         .         .         .         .         .            .
10118  140          .         .         .         .         .         .         .         .         .         .         .            .
10124  150          .         .         .         .         .         .         .         .         .         .         .            .
10130  160          .         .         .         .         .         .         .         .         .         .         .            .
10136  170          .         .         .         .         .         .         .         .         .         .         .            .
10142  180          .         .         .         .         .         .         .         .         .         .         .            .
10148  190          .         .         .         .         .         .         .         .         .         .         .            .
10154  200          .         .         .         .         .         .         .         .         .         .         .            .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220          .         .         .         .         .         .         .         .         .         .         .            .
10212  230          .         .         .         .         .         .         .         .         .         .         .            .
10218  240          .         .         .         .         .         .         .         .         .         .         .            .
10224  250          .         .         .         .         .         .         .         .         .         .         .            .
10230  260          .         .         .         .         .         .         .         .         .         .         .           L.
10236  270          .         .         .         .         .         .         .         .         .         .         .            .
10242  280          .         .         .         .         .         .         .         .         .         .         .            .
10248  290          .         .         .         .         .         .         .         .         .         .         .            .
10254  300          .         .         .         .         .         .         .         .         .         .         .            .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320          .         .         .         .         .         .         .         .         .         .         .            .
10312  330          .         .         .         .         .         .         .         .         .         .         .           L.
10318  340          .         .         .         .         .         .         .         .         .         .         .            .
10324  350          .         .         .         .         .         .         .         .         .         .         .            .
10330  360          .         .         .         .         .         .         .         .         .         .         .            .
10336  370          .         .         .         .         .         .         .         .         .         .         .            .
10342  380          .         .         .         .         .         .         .         .         .         .         .           L.
10348  390          .         .         .         .         .         .         .         .         .         .         .            .
10354  400          .         .         .         .         .         .         .         .         .         .         .            .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420          .         .         .         .         .         .         .         .         .         .         .           L.
10412  430          .         .         .         .         .         .         .         .         .         .         .            .
10418  440          .         .         .         .         .         .         .         .         .         .         .            .
10424  450          .         .         .         .         .         .         .         .         .         .         .           L.
10430  460          .         .         .         .         .         .         .         .         .         .         .            .
10436  470          .         .         .         .         .         .         .         .         .         .         .            .
10442  480          .         .         .         .         .         .         .         .         .         .         .           L.
10448  490          .         .         .         .         .         .         .         .         .         .         .            .
10454  500          .         .         .         .         .         .         .         .         .         .         .            .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520          .         .         .         .         .         .         .         .         .         .         .            .
10512  530          .         .         .         .         .         .         .         .         .         .         .           L.
10518  540          .         .         .         .         .         .         .         .         .         .         .            .
10524  550          .         .         .         .         .         .         .         .         .         .         .           L.
10530  560          .         .         .         .         .         .         .         .         .         .         .            .
10536  570          .         .         .         .         .         .         .         .         .         .         .           L.
10542  580          .         .         .         .         .         .         .         .         .         .         .            .
10548  590          .         .         .         .         .         .         .         .         .         .         .           L.
10554  600          .         .         .         .         .         .         .         .         .         .         .            .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620          .         .         .         .         .         .         .         .         .         .         .           L.
10612  630          .         .         .         .         .         .         .         .         .         .         .            .
10618  640          .         .         .         .         .         .         .         .         .         .         .           L.
10624  650          .         .         .         .         .         .         .         .         .         .         .           L.
10630  660          .         .         .         .         .         .         .         .         .         .         .            .
10636  670          .         .         .         .         .         .         .         .         .         .         .           L.
10642  680          .         .         .         .         .         .         .         .         .         .         .           L.
10648  690          .         .         .         .         .         .         .         .         .         .         .            .
10654  700          .         .         .         .         .         .         .         .         .         .         .           L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720          .         .         .         .         .         .         .         .         .         .         .           L.
10712  730          .         .         .         .         .         .         .         .         .         .         .           L.
10718  740          .         .         .         .         .         .         .         .         .         .         .           L.
10724  750          .         .         .         .         .         .         .         .         .         .         .           L.
10730  760          .         .         .         .         .         .         .         .         .         .         .           L.
10736  770          .         .         .         .         .         .         .         .         .         .         .           L.
10742  780          .         .         .         .         .         .         .         .         .         .         .           L.
10748  790          .         .         .         .         .         .         .         .         .         .         .           L.
10754  800          .         .         .         .         .         .         .         .         .         .         .           L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820          .         .         .         .         .         .         .         .         .         .         .           L.
10812  830          .         .         .         .         .         .         .         .         .         .         .           L.
10818  840          .         .         .         .         .         .         .         .         .         .         .           L.
10824  850          .         .         .         .         .         .         .         .         .         .         .           L.
10830  860          .         .         .         .         .         .         .         .         .         .         .           L.
10836  870          .         .         .         .         .         .         .         .         .         .         .          LL.
10842  880          .         .         .         .         .         .         .         .         .         .         .           L.
10848  890          .         .         .         .         .         .         .         .         .         .         .           L.
10854  900          .         .         .         .         .         .         .         .         .         .         .          LL.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  920          .         .         .         .         .         .         .         .         .         .         .           L.
10912  930          .         .         .         .         .         .         .         .         .         .         .          LL.
10918  940          .         .         .         .         .         .         .         .         .         .         .          LL.
10924  950          .         .         .         .         .         .         .         .         .         .         .          LL.
10930  960          .         .         .         .         .         .         .         .         .         .         .          LL.
10936  970          .         .         .         .         .         .         .         .         .         .         .          LL.
10942  980          .         .         .         .         .         .         .         .         .         .         .          LL.
10948  990          .         .         .         .         .         .         .         .         .         .         .          LL.
10954 1000          .         .         .         .         .         .         .         .         .         .         .          LL.
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 1020          .         .         .         .         .         .         .         .         .         .         .          LL.
11012 1030          .         .         .         .         .         .         .         .         .         .         .          LL.
11018 1040          .         .         .         .         .         .         .         .         .         .         .         LLL.
11024 1050          .         .         .         .         .         .         .         .         .         .         .          LL.
11030 1060          .         .         .         .         .         .         .         .         .         .         .         LLL.
11036 1070          .         .         .         .         .         .         .         .         .         .         .         LLL.
11042 1080          .         .         .         .         .         .         .         .         .         .         .         LLL.
11048 1090          .         .         .         .         .         .         .         .         .         .         .         LLL.
11054 1100          .         .         .         .         .         .         .         .         .         .         .         LLL.
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11100 111.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLL.
11106 112.O        .         .         .         .         .         .         .         .         .         .         .      LLL.
11112 113.O        .         .         .         .         .         .         .         .         .         .         .      LLL.
11118 114. O       .         .         .         .         .         .         .         .         .         .         .     LLLL.
11124 115. O       .         .         .         .         .         .         .         .         .         .         .    LLLLL.
11130 116.  O      .         .         .         .         .         .         .         .         .         .         .    LLLLX.
11136 117.   O     .         .         .         .         .         .         .         .         .         .         .   LLLLLX.
11142 118.    O    .         .         .         .         .         .         .         .         .         .         .  LLLLLLX.
11148 119.        O.         .         .         .         .         .         .         .         .         .    LLLLLLLLLLLLXXX.
11154 120.         .      O  .         .         .         .         .         .         .         .      LLLLLLLLLLLLLLLLLXXXXXX.
11200 121. . . . . . . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . LLLLLLLLLLLLLLLLLLLLLLLLXXXXXXXXXXXX.
11206 122.         .         .         .         .         .         O         .         .   LLLLLLLLLLLLLLLLLLLLLXXXXXXXXXXXXXXX.
11212 123.         .         .         .         .         .         .         .    O    .         .      LLLLLLLLLLLLXXXXXXXXXXX.
11218 124.         .         .         .         .         .         .         . O       .         .         .    LLLLLLLLXXXXXXX.
11224 125.         .         .         .         .         .     O   .         .         .         .         .         .  LLLLXXX.
11230 126.         .         .         .         O         .         .         .         .         .         .         .   LLLXXX.
11236 127.         .         .       O .         .         .         .         .         .         .         .         .    LLXXX.
11242 128.         .         .  O      .         .         .         .         .         .         .         .         .    LLXXX.
11248 129.         .        O.         .         .         .         .         .         .         .         .         .     LLXX.
11254 130.         .      O  .         .         .         .         .         .         .         .         .         .     LLXX.
11300 131. . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.         .   O     .         .         .         .         .         .         .         .         .         .      LXX.
11312 133.         .  O      .         .         .         .         .         .         .         .         .         .      LXX.
11318 134.         . O       .         .         .         .         .         .         .         .         .         .      LLX.
11324 135.         .O        .         .         .         .         .         .         .         .         .         .      LXX.
11330 136.         .O        .         .         .         .         .         .         .         .         .         .      LLX.
11336 137.         O         .         .         .         .         .         .         .         .         .         .       LX.
11342 138.         O         .         .         .         .         .         .         .         .         .         .      LLX.
11348 139.        O.         .         .         .         .         .         .         .         .         .         .       LX.
11354 140.        O.         .         .         .         .         .         .         .         .         .         .       LX.
11400 141. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.        O.         .         .         .         .         .         .         .         .         .         .       LX.
11412 143.        O.         .         .         .         .         .         .         .         .         .         .       LX.
11418 144.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11424 145.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11430 146.      O  .         .         .         .         .         .         .         .         .         .         .       LX.
11436 147.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11442 148.      O  .         .         .         .         .         .         .         .         .         .         .       LX.
11448 149.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.     O   .         .         .         .         .         .         .         .         .         .         .       LX.
11500 151. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11506 152.      O  .         .         .         .         .         .         .         .         .         .         .       LX.
11512 153.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.     O   .         .         .         .         .         .         .         .         .         .         .       LX.
11524 155.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.     O   .         .         .         .         .         .         .         .         .         .         .       LX.
11542 158.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11654 170.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11700 171. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11712 173.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11718 174.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11724 175.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11730 176.  O      .         .         .         .         .         .         .         .         .         .         .         .
11736 177.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11742 178.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11748 179.  O      .         .         .         .         .         .         .         .         .         .         .         .
11754 180.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.  O      .         .         .         .         .         .         .         .         .         .         .         .
11812 183.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11818 184.  O      .         .         .         .         .         .         .         .         .         .         .         .
11824 185.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11830 186.  O      .         .         .         .         .         .         .         .         .         .         .         .
11836 187.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11842 188.  O      .         .         .         .         .         .         .         .         .         .         .         .
11848 189.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11854 190.  O      .         .         .         .         .         .         .         .         .         .         .         .
11900 191. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.  O      .         .         .         .         .         .         .         .         .         .         .         .
11912 193. O       .         .         .         .         .         .         .         .         .         .         .         .
11918 194. O       .         .         .         .         .         .         .         .         .         .         .        X.
11924 195.  O      .         .         .         .         .         .         .         .         .         .         .         .
11930 196.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11936 197.  O      .         .         .         .         .         .         .         .         .         .         .         .
11942 198. O       .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O       .         .         .         .         .         .         .         .         .         .         .        X.
11954 200.  O      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O       .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .        X.
12018 204.  O      .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O       .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O       .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .        X.
12042 208.  O      .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O       .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O       .         .         .         .         .         .         .         .         .         .         .         .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .        X.
12112 213.  O      .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O       .         .         .         .         .         .         .         .         .         .         .         .
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12136 217. O       .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O       .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O       .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O       .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222.   O     .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O       .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O       .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O       .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O       .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O       .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O       .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O       .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O       .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O       .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O       .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O       .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O       .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O       .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O       .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O       .         .         .         .         .         .         .         .         .         .         .         .
12354 240.O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB E
PLAN 1, RATIO = .63

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DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.	*	1	1206	122	.42	.22	.20	17.
1	0006	2	.01	.01	.00	0.	*	1	1212	123	.27	.13	.14	21.
1	0012	3	.01	.01	.00	0.	*	1	1218	124	.17	.08	.10	20.
1	0018	4	.00	.00	.00	0.	*	1	1224	125	.08	.03	.05	15.
1	0024	5	.01	.01	.00	0.	*	1	1230	126	.07	.03	.04	11.
1	0030	6	.00	.00	.00	0.	*	1	1236	127	.06	.02	.04	8.
1	0036	7	.01	.01	.00	0.	*	1	1242	128	.06	.02	.03	6.
1	0042	8	.01	.01	.00	0.	*	1	1248	129	.05	.02	.03	5.
1	0048	9	.01	.01	.00	0.	*	1	1254	130	.04	.02	.03	4.
1	0054	10	.00	.00	.00	0.	*	1	1300	131	.04	.02	.02	4.
1	0100	11	.01	.01	.00	0.	*	1	1306	132	.04	.01	.02	4.
1	0106	12	.01	.01	.00	0.	*	1	1312	133	.04	.02	.02	3.
1	0112	13	.01	.01	.00	0.	*	1	1318	134	.03	.01	.02	3.
1	0118	14	.01	.01	.00	0.	*	1	1324	135	.03	.01	.02	3.
1	0124	15	.01	.01	.00	0.	*	1	1330	136	.03	.01	.02	3.
1	0130	16	.00	.00	.00	0.	*	1	1336	137	.02	.01	.02	3.
1	0136	17	.01	.01	.00	0.	*	1	1342	138	.03	.01	.02	2.
1	0142	18	.01	.01	.00	0.	*	1	1348	139	.02	.01	.02	2.
1	0148	19	.00	.00	.00	0.	*	1	1354	140	.02	.01	.02	2.
1	0154	20	.01	.01	.00	0.	*	1	1400	141	.02	.01	.02	2.
1	0200	21	.01	.01	.00	0.	*	1	1406	142	.02	.01	.02	2.
1	0206	22	.01	.01	.00	0.	*	1	1412	143	.02	.01	.02	2.
1	0212	23	.01	.01	.00	0.	*	1	1418	144	.02	.01	.01	2.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.02	.01	.01	2.
1	0224	25	.01	.01	.00	0.	*	1	1430	146	.02	.01	.02	2.
1	0230	26	.01	.01	.00	0.	*	1	1436	147	.02	.01	.01	2.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.02	.01	.01	2.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.01	.01	2.
1	0248	29	.00	.00	.00	0.	*	1	1454	150	.02	.01	.01	2.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.02	.01	.01	2.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.02	.01	.01	2.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.01	.01	2.
1	0312	33	.01	.01	.00	0.	*	1	1518	154	.02	.01	.01	2.
1	0318	34	.00	.00	.00	0.	*	1	1524	155	.01	.01	.01	2.
1	0324	35	.00	.00	.00	0.	*	1	1530	156	.02	.01	.01	2.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.02	.01	.01	1.
1	0336	37	.00	.00	.00	0.	*	1	1542	158	.01	.01	.01	2.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.02	.00	.01	1.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.01	1.
1	0354	40	.00	.00	.00	0.	*	1	1600	161	.01	.00	.01	1.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.01	1.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.02	.00	.01	1.
1	0412	43	.00	.00	.00	0.	*	1	1618	164	.01	.00	.01	1.
1	0418	44	.00	.00	.00	0.	*	1	1624	165	.02	.00	.01	1.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	1.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.01	1.
1	0436	47	.00	.00	.00	0.	*	1	1642	168	.02	.00	.01	1.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	1.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.01	.00	.01	1.
1	0454	50	.00	.00	.00	0.	*	1	1700	171	.00	.00	.00	1.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	1.
1	0506	52	.00	.00	.00	0.	*	1	1712	173	.01	.00	.01	1.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	1.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.01	.00	.01	1.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.00	.00	.00	1.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.01	.00	.01	1.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	1.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.00	.00	.00	1.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	1.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.01	.00	.01	1.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.00	.00	.00	1.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	1.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.00	1.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	1.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.00	.00	.00	1.
1	0630	66	.00	.00	.00	0.	*	1	1836	187	.01	.00	.01	1.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.00	.00	.00	1.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	1.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.00	.00	.00	1.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	1.

1	0700	71	.01	.01	.00	0.	*	1	1906	192	.00	.00	.00	1.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.00	.00	.00	1.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	1.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.00	.00	.00	1.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	1.
1	0730	76	.01	.01	.00	0.	*	1	1936	197	.01	.00	.00	1.
1	0736	77	.01	.01	.00	0.	*	1	1942	198	.00	.00	.00	1.
1	0742	78	.01	.01	.00	0.	*	1	1948	199	.01	.00	.01	1.
1	0748	79	.01	.01	.00	0.	*	1	1954	200	.00	.00	.00	1.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.00	1.
1	0800	81	.01	.01	.00	0.	*	1	2006	202	.00	.00	.00	1.
1	0806	82	.01	.01	.00	0.	*	1	2012	203	.01	.00	.01	1.
1	0812	83	.01	.01	.00	0.	*	1	2018	204	.01	.00	.00	1.
1	0818	84	.01	.01	.00	0.	*	1	2024	205	.00	.00	.00	1.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.00	.00	.00	1.
1	0830	86	.01	.01	.00	0.	*	1	2036	207	.01	.00	.01	1.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.01	.00	.00	1.
1	0842	88	.01	.01	.00	0.	*	1	2048	209	.00	.00	.00	1.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.00	.00	.00	1.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.00	.00	.00	1.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	1.
1	0906	92	.01	.01	.00	0.	*	1	2112	213	.00	.00	.00	1.
1	0912	93	.02	.02	.00	0.	*	1	2118	214	.00	.00	.00	1.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.00	.00	.00	1.
1	0924	95	.02	.02	.00	0.	*	1	2130	216	.01	.00	.00	1.
1	0930	96	.02	.02	.00	0.	*	1	2136	217	.00	.00	.00	0.
1	0936	97	.02	.02	.00	0.	*	1	2142	218	.00	.00	.00	0.
1	0942	98	.02	.02	.00	0.	*	1	2148	219	.00	.00	.00	0.
1	0948	99	.02	.02	.00	0.	*	1	2154	220	.00	.00	.00	0.
1	0954	100	.02	.02	.00	0.	*	1	2200	221	.01	.00	.01	1.
1	1000	101	.02	.02	.00	0.	*	1	2206	222	.00	.00	.00	1.
1	1006	102	.03	.02	.00	0.	*	1	2212	223	.00	.00	.00	1.
1	1012	103	.02	.02	.00	0.	*	1	2218	224	.01	.00	.00	1.
1	1018	104	.03	.03	.00	0.	*	1	2224	225	.00	.00	.00	1.
1	1024	105	.02	.02	.00	0.	*	1	2230	226	.00	.00	.00	0.
1	1030	106	.03	.03	.00	0.	*	1	2236	227	.00	.00	.00	0.
1	1036	107	.03	.03	.00	0.	*	1	2242	228	.00	.00	.00	0.
1	1042	108	.03	.03	.00	0.	*	1	2248	229	.01	.00	.00	0.
1	1048	109	.03	.03	.00	0.	*	1	2254	230	.00	.00	.00	0.
1	1054	110	.03	.03	.00	0.	*	1	2300	231	.00	.00	.00	0.
1	1100	111	.04	.04	.00	0.	*	1	2306	232	.00	.00	.00	0.
1	1106	112	.04	.03	.01	1.	*	1	2312	233	.00	.00	.00	0.
1	1112	113	.04	.03	.01	1.	*	1	2318	234	.01	.00	.00	0.
1	1118	114	.05	.04	.01	1.	*	1	2324	235	.00	.00	.00	0.
1	1124	115	.06	.05	.01	1.	*	1	2330	236	.00	.00	.00	0.
1	1130	116	.06	.04	.01	1.	*	1	2336	237	.00	.00	.00	0.
1	1136	117	.07	.06	.01	1.	*	1	2342	238	.01	.00	.00	0.
1	1142	118	.08	.06	.02	2.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.17	.13	.05	3.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.27	.18	.09	5.	*	2	0000	241	.00	.00	.00	0.
1	1200	121	.42	.25	.17	10.	*							

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     TOTAL RAINFALL =    5.00, TOTAL LOSS =    3.12, TOTAL EXCESS =     1.88

   PEAK FLOW      TIME                           MAXIMUM AVERAGE FLOW
                                         6-HR       24-HR       72-HR       24.00-HR
+    (CFS)        (HR)
                              (CFS)
+      21.       12.20                     4.          1.          1.           1.
                              (INCHES)   1.552       1.874       1.874        1.874
                              (AC-FT)      2.          2.          2.           2.

                              CUMULATIVE AREA =     .02 SQ MI
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1                                                        STATION     SUB E

                              (O) OUTFLOW
         0.        4.        8.        12.       16.       20.       24.       0.        0.        0.        0.        0.        0.
                                                                                                   (L) PRECIP,  (X) EXCESS
         .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
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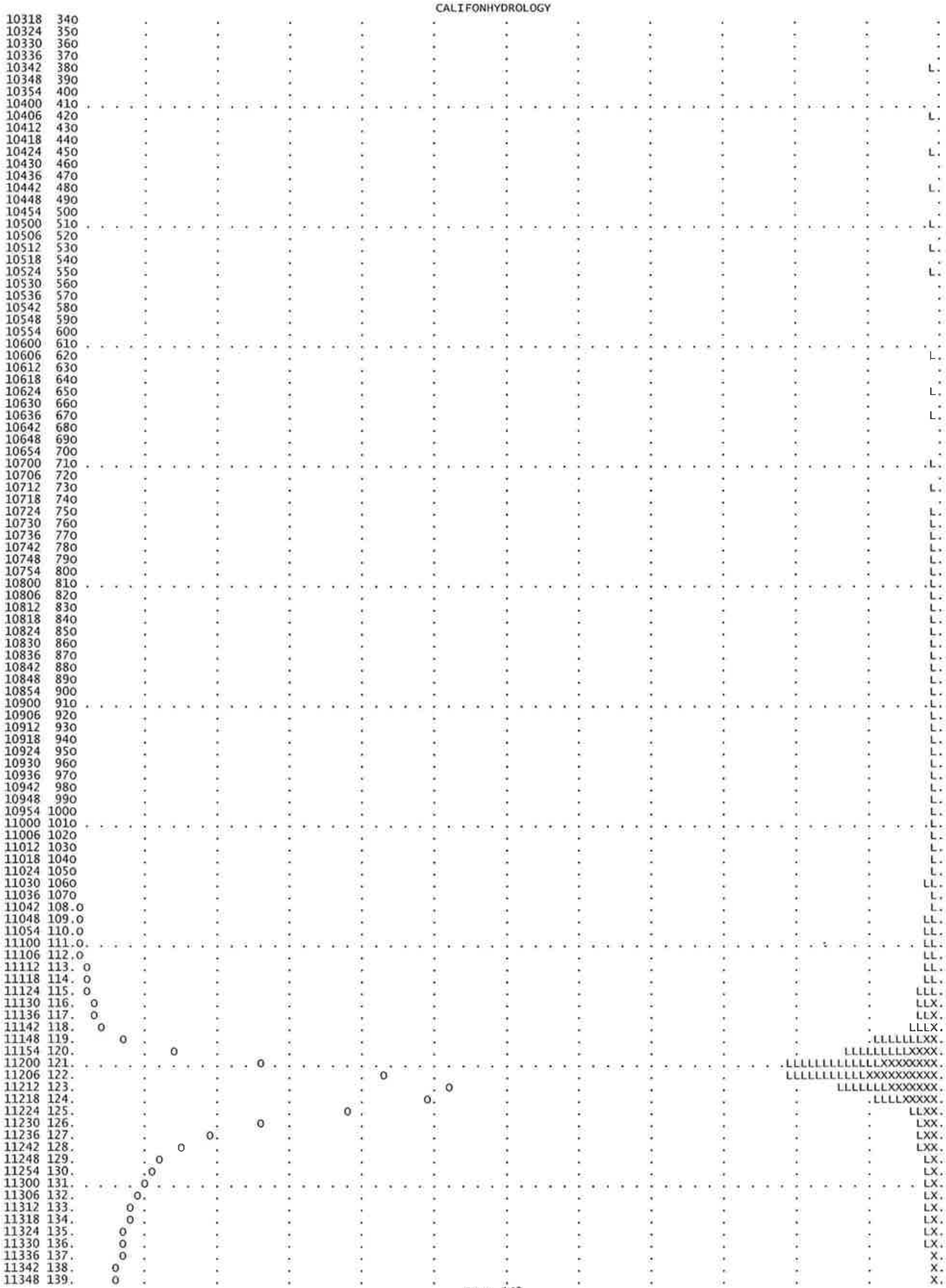

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11354 140.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11400 141. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11406 142.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11412 143.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11418 144.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11424 145.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11430 146.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11436 147.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11442 148.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11448 149.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11454 150.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11500 151. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11512 153.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11518 154.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11530 156.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11536 157.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11548 159.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.  O      .         .         .         .         .         .         .         .         .         .         .         .
11636 167.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.  O      .         .         .         .         .         .         .         .         .         .         .         .
11654 170.  O      .         .         .         .         .         .         .         .         .         .         .        L.
11700 171. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O       .         .         .         .         .         .         .         .         .         .         .         .
11712 173. O       .         .         .         .         .         .         .         .         .         .         .        L.
11718 174. O       .         .         .         .         .         .         .         .         .         .         .         .
11724 175. O       .         .         .         .         .         .         .         .         .         .         .        L.
11730 176. O       .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O       .         .         .         .         .         .         .         .         .         .         .         .
11742 178. O       .         .         .         .         .         .         .         .         .         .         .        L.
11748 179. O       .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O       .         .         .         .         .         .         .         .         .         .         .         .
11800 181. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11806 182. O       .         .         .         .         .         .         .         .         .         .         .         .
11812 183. O       .         .         .         .         .         .         .         .         .         .         .         .
11818 184. O       .         .         .         .         .         .         .         .         .         .         .         .
11824 185. O       .         .         .         .         .         .         .         .         .         .         .         .
11830 186. O       .         .         .         .         .         .         .         .         .         .         .         .
11836 187. O       .         .         .         .         .         .         .         .         .         .         .        L.
11842 188. O       .         .         .         .         .         .         .         .         .         .         .         .
11848 189. O       .         .         .         .         .         .         .         .         .         .         .         .
11854 190. O       .         .         .         .         .         .         .         .         .         .         .         .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11906 192. O       .         .         .         .         .         .         .         .         .         .         .         .
11912 193. O       .         .         .         .         .         .         .         .         .         .         .         .
11918 194. O       .         .         .         .         .         .         .         .         .         .         .        L.
11924 195. O       .         .         .         .         .         .         .         .         .         .         .         .
11930 196. O       .         .         .         .         .         .         .         .         .         .         .         .
11936 197. O       .         .         .         .         .         .         .         .         .         .         .         .
11942 198. O       .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O       .         .         .         .         .         .         .         .         .         .         .         .
11954 200. O       .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O        .         .         .         .         .         .         .         .         .         .         .         .
12012 203.O        .         .         .         .         .         .         .         .         .         .         .         .
12018 204. O       .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O       .         .         .         .         .         .         .         .         .         .         .         .
12030 206.O        .         .         .         .         .         .         .         .         .         .         .         .
12036 207.O        .         .         .         .         .         .         .         .         .         .         .         .
12042 208. O       .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O       .         .         .         .         .         .         .         .         .         .         .         .
12054 210.O        .         .         .         .         .         .         .         .         .         .         .         .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.O        .         .         .         .         .         .         .         .         .         .         .        L.
12112 213. O       .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215.O        .         .         .         .         .         .         .         .         .         .         .         .
12130 216.O        .         .         .         .         .         .         .         .         .         .         .         .
12136 217.O        .         .         .         .         .         .         .         .         .         .         .         .
12142 218.O        .         .         .         .         .         .         .         .         .         .         .         .
12148 219.O        .         .         .         .         .         .         .         .         .         .         .         .
12154 220.O        .         .         .         .         .         .         .         .         .         .         .         .
12200 221.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
12206 222. O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224.O        .         .         .         .         .         .         .         .         .         .         .         .
12224 225.O        .         .         .         .         .         .         .         .         .         .         .         .
12230 226.O        .         .         .         .         .         .         .         .         .         .         .         .
12236 227.O        .         .         .         .         .         .         .         .         .         .         .         .
12242 228.O        .         .         .         .         .         .         .         .         .         .         .         .
12248 229.O        .         .         .         .         .         .         .         .         .         .         .         .
12254 230.O        .         .         .         .         .         .         .         .         .         .         .         .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O        .         .         .         .         .         .         .         .         .         .         .         .
12312 233.O        .         .         .         .         .         .         .         .         .         .         .         .
12318 234.O        .         .         .         .         .         .         .         .         .         .         .         .
12324 235.O        .         .         .         .         .         .         .         .         .         .         .         .
12330 236.O        .         .         .         .         .         .         .         .         .         .         .         .
12336 237.O        .         .         .         .         .         .         .         .         .         .         .         .
12342 238.O        .         .         .         .         .         .         .         .         .         .         .         .
12348 239.O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240.O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	1		1206	122	.51	.23	.29	26.
1		0006	2	.01	.01	.00	0.	1		1212	123	.33	.13	.20	31.
1		0012	3	.01	.01	.00	0.	1		1218	124	.21	.08	.14	28.
1		0018	4	.01	.01	.00	0.	1		1224	125	.10	.03	.06	22.
1		0024	5	.01	.01	.00	0.	1		1230	126	.08	.03	.05	15.
1		0030	6	.01	.01	.00	0.	1		1236	127	.07	.02	.05	10.
1		0036	7	.01	.01	.00	0.	1		1242	128	.07	.02	.04	8.
1		0042	8	.01	.01	.00	0.	1		1248	129	.05	.02	.04	7.
1		0048	9	.01	.01	.00	0.	1		1254	130	.05	.02	.04	6.
1		0054	10	.01	.01	.00	0.	1		1300	131	.05	.02	.03	5.
1		0100	11	.01	.01	.00	0.	1		1306	132	.04	.01	.03	5.
1		0106	12	.01	.01	.00	0.	1		1312	133	.05	.02	.03	4.
1		0112	13	.01	.01	.00	0.	1		1318	134	.04	.01	.03	4.
1		0118	14	.01	.01	.00	0.	1		1324	135	.04	.01	.03	4.
1		0124	15	.01	.01	.00	0.	1		1330	136	.04	.01	.03	4.
1		0130	16	.01	.01	.00	0.	1		1336	137	.03	.01	.02	4.
1		0136	17	.01	.01	.00	0.	1		1342	138	.04	.01	.03	3.
1		0142	18	.01	.01	.00	0.	1		1348	139	.03	.01	.02	3.
1		0148	19	.01	.01	.00	0.	1		1354	140	.03	.01	.02	3.
1		0154	20	.01	.01	.00	0.	1		1400	141	.03	.01	.02	3.
1		0200	21	.01	.01	.00	0.	1		1406	142	.03	.01	.02	3.
1		0206	22	.01	.01	.00	0.	1		1412	143	.03	.01	.02	3.
1		0212	23	.01	.01	.00	0.	1		1418	144	.02	.01	.02	3.
1		0218	24	.01	.01	.00	0.	1		1424	145	.02	.01	.02	3.
1		0224	25	.01	.01	.00	0.	1		1430	146	.03	.01	.02	3.
1		0230	26	.01	.01	.00	0.	1		1436	147	.02	.01	.02	3.
1		0236	27	.01	.01	.00	0.	1		1442	148	.02	.01	.02	3.
1		0242	28	.01	.01	.00	0.	1		1448	149	.02	.01	.01	2.
1		0248	29	.01	.01	.00	0.	1		1454	150	.02	.01	.02	2.
1		0254	30	.01	.01	.00	0.	1		1500	151	.02	.01	.02	2.
1		0300	31	.01	.01	.00	0.	1		1506	152	.02	.01	.02	2.
1		0306	32	.01	.01	.00	0.	1		1512	153	.02	.01	.01	2.
1		0312	33	.01	.01	.00	0.	1		1518	154	.02	.01	.02	2.
1		0318	34	.01	.01	.00	0.	1		1524	155	.02	.00	.01	2.
1		0324	35	.01	.01	.00	0.	1		1530	156	.02	.00	.01	2.
1		0330	36	.01	.01	.00	0.	1		1536	157	.02	.01	.02	2.
1		0336	37	.01	.01	.00	0.	1		1542	158	.02	.00	.01	2.
1		0342	38	.01	.01	.00	0.	1		1548	159	.02	.00	.01	2.
1		0348	39	.01	.01	.00	0.	1		1554	160	.02	.00	.01	2.
1		0354	40	.01	.01	.00	0.	1		1600	161	.02	.00	.01	2.
1		0400	41	.01	.01	.00	0.	1		1606	162	.02	.00	.01	2.
1		0406	42	.01	.01	.00	0.	1		1612	163	.02	.00	.01	2.
1		0412	43	.01	.01	.00	0.	1		1618	164	.02	.00	.01	2.
1		0418	44	.01	.01	.00	0.	1		1624	165	.02	.00	.01	2.
1		0424	45	.01	.01	.00	0.	1		1630	166	.01	.00	.01	2.
1		0430	46	.01	.01	.00	0.	1		1636	167	.02	.00	.01	2.
1		0436	47	.01	.01	.00	0.	1		1642	168	.02	.00	.01	2.
1		0442	48	.01	.01	.00	0.	1		1648	169	.01	.00	.01	2.
1		0448	49	.01	.01	.00	0.	1		1654	170	.01	.00	.01	1.
1		0454	50	.01	.01	.00	0.	1		1700	171	.01	.00	.00	1.
1		0500	51	.01	.01	.00	0.	1		1706	172	.01	.00	.01	1.
1		0506	52	.01	.01	.00	0.	1		1712	173	.01	.00	.01	1.
1		0512	53	.01	.01	.00	0.	1		1718	174	.01	.00	.01	1.
1		0518	54	.01	.01	.00	0.	1		1724	175	.01	.00	.01	1.
1		0524	55	.01	.01	.00	0.	1		1730	176	.01	.00	.00	1.
1		0530	56	.01	.01	.00	0.	1		1736	177	.01	.00	.01	1.
1		0536	57	.01	.01	.00	0.	1		1742	178	.01	.00	.01	1.
1		0542	58	.01	.01	.00	0.	1		1748	179	.01	.00	.00	1.
1		0548	59	.01	.01	.00	0.	1		1754	180	.01	.00	.01	1.
1		0554	60	.01	.01	.00	0.	1		1800	181	.01	.00	.01	1.
1		0600	61	.01	.01	.00	0.	1		1806	182	.01	.00	.00	1.
1		0606	62	.01	.01	.00	0.	1		1812	183	.01	.00	.01	1.
1		0612	63	.01	.01	.00	0.	1		1818	184	.01	.00	.00	1.
1		0618	64	.01	.01	.00	0.	1		1824	185	.01	.00	.01	1.
1		0624	65	.01	.01	.00	0.	1		1830	186	.01	.00	.00	1.
1		0630	66	.01	.01	.00	0.	1		1836	187	.01	.00	.01	1.
1		0636	67	.01	.01	.00	0.	1		1842	188	.01	.00	.00	1.
1		0642	68	.01	.01	.00	0.	1		1848	189	.01	.00	.01	1.
1		0648	69	.01	.01	.00	0.	1		1854	190	.01	.00	.00	1.
1		0654	70	.01	.01	.00	0.	1		1900	191	.01	.00	.01	1.
1		0700	71	.01	.01	.00	0.	1		1906	192	.01	.00	.00	1.
1		0706	72	.01	.01	.00	0.	1		1912	193	.01	.00	.00	1.
1		0712	73	.01	.01	.00	0.	1		1918	194	.01	.00	.01	1.
1		0718	74	.01	.01	.00	0.	1		1924	195	.01	.00	.00	1.
1		0724	75	.01	.01	.00	0.	1		1930	196	.01	.00	.01	1.
1		0730	76	.02	.02	.00	0.	1		1936	197	.01	.00	.00	1.
1		0736	77	.02	.02	.00	0.	1		1942	198	.01	.00	.00	1.
1		0742	78	.02	.02	.00	0.	1		1948	199	.01	.00	.01	1.
1		0748	79	.02	.02	.00	0.	1		1954	200	.01	.00	.00	1.
1		0754	80	.02	.02	.00	0.	1		2000	201	.01	.00	.00	1.
1		0800	81	.02	.02	.00	0.	1		2006	202	.01	.00	.00	1.
1		0806	82	.02	.02	.00	0.	1		2012	203	.01	.00	.01	1.
1		0812	83	.02	.02	.00	0.	1		2018	204	.01	.00	.00	1.
1		0818	84	.02	.02	.00	0.	1		2024	205	.01	.00	.00	1.
1		0824	85	.02	.02	.00	0.	1		2030	206	.01	.00	.00	1.
1		0830	86	.02	.02	.00	0.	1		2036	207	.01	.00	.01	1.
1		0836	87	.02	.02	.00	0.	1		2042	208	.01	.00	.00	1.
1		0842	88	.02	.02	.00	0.	1		2048	209	.01	.00	.00	1.
1		0848	89	.02	.02	.00	0.	1		2054	210	.01	.00	.00	1.
1		0854	90	.02	.02	.00	0.	1		2100	211	.01	.00	.00	1.
1		0900	91	.02	.02	.00	0.	1		2106	212	.01	.00	.01	1.
1		0906	92	.02	.02	.00	0.	1		2112	213	.01	.00	.00	1.
1		0912	93	.02	.02	.00	0.	1		2118	214	.01	.00	.00	1.
1		0918	94	.02	.02	.00	0.	1		2124	215	.01	.00	.00	1.
1		0924	95	.02	.02	.00	0.	1		2130	216	.01	.00	.00	1.
1		0930	96	.02	.02	.00	0.	1		2136	217	.01	.00	.00	1.
1		0936	97	.02	.02	.00	0.	1		2142	218	.01	.00	.00	1.
1		0942	98	.03	.03	.00	0.	1		2148	219	.01	.00	.00	1.
1		0948	99	.02	.02	.00	0.	1		2154	220	.01	.00	.00	1.

CALIFONHYDROLOGY

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   1    0954  100     .03     .03     .00        0.    *      1    2200  221     .01     .00     .01        1.
   1    1000  101     .02     .02     .00        0.    *      1    2206  222     .01     .00     .00        1.
   1    1006  102     .03     .03     .00        0.    *      1    2212  223     .01     .00     .00        1.
   1    1012  103     .03     .03     .00        0.    *      1    2218  224     .01     .00     .00        1.
   1    1018  104     .04     .03     .00        0.    *      1    2224  225     .01     .00     .00        1.
   1    1024  105     .03     .03     .00        0.    *      1    2230  226     .01     .00     .00        1.
   1    1030  106     .04     .03     .00        1.    *      1    2236  227     .01     .00     .00        1.
   1    1036  107     .04     .03     .01        1.    *      1    2242  228     .01     .00     .00        1.
   1    1042  108     .04     .03     .01        1.    *      1    2248  229     .01     .00     .00        1.
   1    1048  109     .04     .04     .01        1.    *      1    2254  230     .01     .00     .00        1.
   1    1054  110     .04     .03     .01        1.    *      1    2300  231     .01     .00     .00        1.
   1    1100  111     .05     .04     .01        1.    *      1    2306  232     .01     .00     .00        1.
   1    1106  112     .05     .04     .01        1.    *      1    2312  233     .01     .00     .00        1.
   1    1112  113     .05     .04     .01        1.    *      1    2318  234     .01     .00     .00        1.
   1    1118  114     .06     .05     .01        2.    *      1    2324  235     .01     .00     .00        1.
   1    1124  115     .07     .05     .02        2.    *      1    2330  236     .01     .00     .00        1.
   1    1130  116     .07     .05     .02        2.    *      1    2336  237     .01     .00     .00        1.
   1    1136  117     .09     .06     .03        3.    *      1    2342  238     .01     .00     .00        1.
   1    1142  118     .10     .07     .03        3.    *      1    2348  239     .00     .00     .00        1.
   1    1148  119     .21     .14     .08        5.    *      1    2354  240     .00     .00     .00        0.
   1    1154  120     .32     .19     .13        9.    *      2    0000  241     .01     .00     .00        0.
   1    1200  121     .51     .26     .25       16.    *
                                                       *
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      TOTAL RAINFALL =    6.10, TOTAL LOSS =    3.40, TOTAL EXCESS =    2.70

    PEAK FLOW      TIME                           MAXIMUM AVERAGE FLOW
                                         6-HR        24-HR       72-HR       24.00-HR
 +   (CFS)         (HR)
                                (CFS)
 +     31.        12.20                      5.          2.          2.           2.
                              (INCHES)    2.223       2.690       2.690        2.690
                              (AC-FT)        3.          3.          3.           3.

                              CUMULATIVE AREA =     .02 SQ MI

1                                                         STATION     SUB E

                                   (O) OUTFLOW
                0.        4.        8.       12.       16.       20.       24.       28.       32.        0.        0.        0.        0.
                                                                                                               (L) PRECIP,  (X) EXCESS
                .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
 DAHRMN PER
  10000  10-.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
  10006  20           .         .         .         .         .         .         .         .         .         .         .         .
  10012  30           .         .         .         .         .         .         .         .         .         .         .         .
  10018  40           .         .         .         .         .         .         .         .         .         .         .         .
  10024  50           .         .         .         .         .         .         .         .         .         .         .         .
  10030  60           .         .         .         .         .         .         .         .         .         .         .         .
  10036  70           .         .         .         .         .         .         .         .         .         .         .         .
  10042  80           .         .         .         .         .         .         .         .         .         .         .         .
  10048  90           .         .         .         .         .         .         .         .         .         .         .         .
  10054 100           .         .         .         .         .         .         .         .         .         .         .         .
  10100 110  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10106 120           .         .         .         .         .         .         .         .         .         .         .         .
  10112 130           .         .         .         .         .         .         .         .         .         .         .         .
  10118 140           .         .         .         .         .         .         .         .         .         .         .         .
  10124 150           .         .         .         .         .         .         .         .         .         .         .         .
  10130 160           .         .         .         .         .         .         .         .         .         .         .         .
  10136 170           .         .         .         .         .         .         .         .         .         .         .         .
  10142 180           .         .         .         .         .         .         .         .         .         .         .         .
  10148 190           .         .         .         .         .         .         .         .         .         .         .         .
  10154 200           .         .         .         .         .         .         .         .         .         .         .         .
  10200 210  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10206 220           .         .         .         .         .         .         .         .         .         .         .         .
  10212 230           .         .         .         .         .         .         .         .         .         .         .         .
  10218 240           .         .         .         .         .         .         .         .         .         .         .         .
  10224 250           .         .         .         .         .         .         .         .         .         .         .         .
  10230 260           .         .         .         .         .         .         .         .         .         .         .        L.
  10236 270           .         .         .         .         .         .         .         .         .         .         .         .
  10242 280           .         .         .         .         .         .         .         .         .         .         .         .
  10248 290           .         .         .         .         .         .         .         .         .         .         .         .
  10254 300           .         .         .         .         .         .         .         .         .         .         .         .
  10300 310  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10306 320           .         .         .         .         .         .         .         .         .         .         .         .
  10312 330           .         .         .         .         .         .         .         .         .         .         .        L.
  10318 340           .         .         .         .         .         .         .         .         .         .         .         .
  10324 350           .         .         .         .         .         .         .         .         .         .         .         .
  10330 360           .         .         .         .         .         .         .         .         .         .         .         .
  10336 370           .         .         .         .         .         .         .         .         .         .         .         .
  10342 380           .         .         .         .         .         .         .         .         .         .         .        L.
  10348 390           .         .         .         .         .         .         .         .         .         .         .         .
  10354 400           .         .         .         .         .         .         .         .         .         .         .         .
  10400 410  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10406 420           .         .         .         .         .         .         .         .         .         .         .        L.
  10412 430           .         .         .         .         .         .         .         .         .         .         .         .
  10418 440           .         .         .         .         .         .         .         .         .         .         .         .
  10424 450           .         .         .         .         .         .         .         .         .         .         .        L.
  10430 460           .         .         .         .         .         .         .         .         .         .         .         .
  10436 470           .         .         .         .         .         .         .         .         .         .         .         .
  10442 480           .         .         .         .         .         .         .         .         .         .         .        L.
  10448 490           .         .         .         .         .         .         .         .         .         .         .         .
  10454 500           .         .         .         .         .         .         .         .         .         .         .         .
  10500 510  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
  10506 520           .         .         .         .         .         .         .         .         .         .         .         .
  10512 530           .         .         .         .         .         .         .         .         .         .         .        L.
  10518 540           .         .         .         .         .         .         .         .         .         .         .         .
  10524 550           .         .         .         .         .         .         .         .         .         .         .        L.
  10530 560           .         .         .         .         .         .         .         .         .         .         .         .
  10536 570           .         .         .         .         .         .         .         .         .         .         .        L.
  10542 580           .         .         .         .         .         .         .         .         .         .         .         .
  10548 590           .         .         .         .         .         .         .         .         .         .         .        L.
  10554 600           .         .         .         .         .         .         .         .         .         .         .         .
  10600 610  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
  10606 620           .         .         .         .         .         .         .         .         .         .         .        L.
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10612  630                                                                                                                      .
10618  640                                                                                                                     L.
10624  650                                                                                                                     L.
10630  660                                                                                                                      .
10636  670                                                                                                                     L.
10642  680                                                                                                                     L.
10648  690                                                                                                                      .
10654  700                                                                                                                     L.
10700  710                                                                                                                     L.
10706  720                                                                                                                     L.
10712  730                                                                                                                     L.
10718  740                                                                                                                     L.
10724  750                                                                                                                     L.
10730  760                                                                                                                     L.
10736  770                                                                                                                     L.
10742  780                                                                                                                     L.
10748  790                                                                                                                     L.
10754  800                                                                                                                     L.
10800  810                                                                                                                     L.
10806  820                                                                                                                     L.
10812  830                                                                                                                     L.
10818  840                                                                                                                     L.
10824  850                                                                                                                     L.
10830  860                                                                                                                     L.
10836  870                                                                                                                     L.
10842  880                                                                                                                     L.
10848  890                                                                                                                     L.
10854  900                                                                                                                     L.
10900  910                                                                                                                     L.
10906  920                                                                                                                     L.
10912  930                                                                                                                     L.
10918  940                                                                                                                     L.
10924  950                                                                                                                     L.
10930  960                                                                                                                     L.
10936  970                                                                                                                     L.
10942  980                                                                                                                    LL.
10948  990                                                                                                                     L.
10954 1000                                                                                                                    LL.
11000 101.O                                                                                                                   LL.
11006 102.O                                                                                                                   LL.
11012 103.O                                                                                                                   LL.
11018 104.O                                                                                                                   LL.
11024 105.O                                                                                                                   LL.
11030 106.O                                                                                                                   LL.
11036 107. O                                                                                                                  LL.
11042 108. O                                                                                                                  LL.
11048 109. O                                                                                                                  LL.
11054 110. O                                                                                                                  LL.
11100 111. .O.                                                                                                                LL.
11106 112.  O                                                                                                                 LX.
11112 113.  O                                                                                                                 LX.
11118 114.   O                                                                                                               LLX.
11124 115.    O                                                                                                              LLX.
11130 116.    O                                                                                                              LLX.
11136 117.     O                                                                                                            LLLX.
11142 118.       O                                                                                                         LLLXX.
11148 119.           O                                                                                               LLLLLLLXXXX.
11154 120.                     O                                                                                LLLLLLLLXXXXXXXX.
11200 121.                                       O                                                    LLLLLLLLLLLLLLXXXXXXXXXXXX.
11206 122.                                                               O                            LLLLLLLLLLLLXXXXXXXXXXXXXX.
11212 123.                                                                            O                         LLLLLLXXXXXXXXXX.
11218 124.                                                                     O                                     LLLLXXXXXXX.
11224 125.                                                     O                                                           LLXXX.
11230 126.                                    O                                                                             LXXX.
11236 127.                         O                                                                                        LLXX.
11242 128.                    O                                                                                              LXX.
11248 129.                O                                                                                                  LXX.
11254 130.              O                                                                                                    LXX.
11300 131.            O.                                                                                                      XX.
11306 132.           O                                                                                                        LX.
11312 133.          .O                                                                                                        XX.
11318 134.          .O                                                                                                        LX.
11324 135.         O                                                                                                          LX.
11330 136.         O                                                                                                          LX.
11336 137.        O.                                                                                                          LX.
11342 138.       O                                                                                                            LX.
11348 139.       O                                                                                                            LX.
11354 140.       O                                                                                                            LX.
11400 141.       O                                                                                                            LX.
11406 142.      O                                                                                                             LX.
11412 143.      O                                                                                                             LX.
11418 144.      O                                                                                                              X.
11424 145.      O                                                                                                              X.
11430 146.     O                                                                                                              LX.
11436 147.      O                                                                                                              X.
11442 148.     O                                                                                                               X.
11448 149.     O                                                                                                               X.
11454 150.    O                                                                                                                X.
11500 151.     O                                                                                                               X.
11506 152.     O                                                                                                               X.
11512 153.     O                                                                                                               X.
11518 154.    O                                                                                                                X.
11524 155.    O                                                                                                                X.
11530 156.    O                                                                                                                X.
11536 157.    O                                                                                                                X.
11542 158.    O                                                                                                                X.
11548 159.    O                                                                                                                X.
11554 160.    O                                                                                                                X.
11600 161.   .O.                                                                                                               X.
11606 162.    O                                                                                                                X.
11612 163.    O                                                                                                                X.
11618 164.    O                                                                                                                X.
11624 165.    O                                                                                                                X.
11630 166.   O                                                                                                                 L.
11636 167.   O                                                                                                                 X.
11642 168.   O                                                                                                                 X.
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 11648 169.   O     .         .         .         .         .         .         .         .         .         .         .         L.
 11654 170.   O     .         .         .         .         .         .         .         .         .         .         .         L.
 11700 171.  .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 11706 172.   O     .         .         .         .         .         .         .         .         .         .         .         L.
 11712 173.   O     .         .         .         .         .         .         .         .         .         .         .         L.
 11718 174.   O     .         .         .         .         .         .         .         .         .         .         .         L.
 11724 175.   O     .         .         .         .         .         .         .         .         .         .         .         L.
 11730 176.   O     .         .         .         .         .         .         .         .         .         .         .          .
 11736 177.   O     .         .         .         .         .         .         .         .         .         .         .         L.
 11742 178.   O     .         .         .         .         .         .         .         .         .         .         .         L.
 11748 179.   O     .         .         .         .         .         .         .         .         .         .         .          .
 11754 180.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 11800 181.  .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 11806 182.   O     .         .         .         .         .         .         .         .         .         .         .          .
 11812 183.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 11818 184.  O      .         .         .         .         .         .         .         .         .         .         .          .
 11824 185.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 11830 186.  O      .         .         .         .         .         .         .         .         .         .         .          .
 11836 187.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 11842 188.  O      .         .         .         .         .         .         .         .         .         .         .          .
 11848 189.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 11854 190.  O      .         .         .         .         .         .         .         .         .         .         .          .
 11900 191.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 11906 192.  O      .         .         .         .         .         .         .         .         .         .         .          .
 11912 193.  O      .         .         .         .         .         .         .         .         .         .         .          .
 11918 194.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 11924 195.  O      .         .         .         .         .         .         .         .         .         .         .          .
 11930 196.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 11936 197.  O      .         .         .         .         .         .         .         .         .         .         .          .
 11942 198.  O      .         .         .         .         .         .         .         .         .         .         .          .
 11948 199.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 11954 200.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12000 201.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12006 202.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12012 203.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 12018 204.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12024 205.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12030 206.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12036 207.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 12042 208.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12048 209.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12054 210.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12100 211.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12106 212.  O      .         .         .         .         .         .         .         .         .         .         .         L.
 12112 213.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12118 214.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12124 215.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12130 216.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12136 217.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12142 218.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12148 219.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12154 220.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12200 221.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 12206 222.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12212 223.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12218 224.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12224 225.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12230 226.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12236 227.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12242 228.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12248 229.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12254 230.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12300 231.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12306 232.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12312 233.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12318 234.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12324 235.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12330 236.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12336 237.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12342 238.  O      .         .         .         .         .         .         .         .         .         .         .          .
 12348 239.O        .         .         .         .         .         .         .         .         .         .         .          .
 12354 240.O        .         .         .         .         .         .         .         .         .         .         .          .
 20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.----------.
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HYDROGRAPH AT STATION SUB E
PLAN 1, RATIO = .88

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.59	.23	.36	33.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.38	.13	.25	39.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.24	.08	.17	35.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.11	.03	.08	27.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.09	.03	.06	18.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.08	.02	.06	13.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.08	.02	.05	10.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.06	.02	.05	8.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.06	.02	.05	7.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.02	.04	7.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.05	.01	.04	6.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.01	.04	5.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.04	.01	.03	5.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.05	.01	.04	5.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.04	.01	.03	5.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.03	.01	.03	4.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.04	.01	.03	4.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.03	.01	.03	4.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.03	.01	.03	4.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.03	.01	.03	4.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.03	.01	.03	4.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.03	.01	.03	4.

1	0212	23	.01	.01	.00	0.	*	1	1418	144	.03	.01	.02	3.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.03	.01	.02	3.
1	0224	25	.01	.01	.00	0.	*	1	1430	146	.03	.01	.03	3.
1	0230	26	.01	.01	.00	0.	*	1	1436	147	.03	.01	.02	3.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.03	.01	.02	3.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.00	.02	3.
1	0248	29	.01	.01	.00	0.	*	1	1454	150	.03	.01	.02	3.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.03	.01	.02	3.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.03	.01	.02	3.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.00	.02	3.
1	0312	33	.01	.01	.00	0.	*	1	1518	154	.03	.01	.02	3.
1	0318	34	.01	.01	.00	0.	*	1	1524	155	.02	.00	.02	3.
1	0324	35	.01	.01	.00	0.	*	1	1530	156	.02	.00	.02	2.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.03	.01	.02	2.
1	0336	37	.01	.01	.00	0.	*	1	1542	158	.02	.00	.02	3.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.02	.00	.02	2.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.02	2.
1	0354	40	.01	.01	.00	0.	*	1	1600	161	.02	.00	.02	2.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.02	2.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.02	.00	.02	2.
1	0412	43	.01	.01	.00	0.	*	1	1618	164	.02	.00	.02	2.
1	0418	44	.01	.01	.00	0.	*	1	1624	165	.02	.00	.02	2.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	2.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.02	2.
1	0436	47	.01	.01	.00	0.	*	1	1642	168	.02	.00	.02	2.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	2.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.01	.00	.01	2.
1	0454	50	.01	.01	.00	0.	*	1	1700	171	.01	.00	.01	1.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	1.
1	0506	52	.01	.01	.00	0.	*	1	1712	173	.01	.00	.01	1.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	1.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.01	.00	.01	1.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.01	.00	.01	1.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.01	.00	.01	1.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	1.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	1.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	1.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.01	.00	.01	1.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.01	.00	.01	1.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	1.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	1.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	1.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.01	.00	.01	1.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.01	.00	.01	1.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.01	.00	.01	1.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	1.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	1.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	1.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.01	.00	.01	1.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.01	.00	.01	1.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	1.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.01	.00	.01	1.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	1.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	1.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	1.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.01	.00	.01	1.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	1.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	1.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	1.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.01	.00	.01	1.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	1.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	1.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	1.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.01	.00	.01	1.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	1.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	1.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	1.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	1.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.01	.00	.01	1.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	1.
1	0912	93	.03	.03	.00	0.	*	1	2118	214	.01	.00	.01	1.
1	0918	94	.03	.03	.00	0.	*	1	2124	215	.01	.00	.01	1.
1	0924	95	.03	.03	.00	0.	*	1	2130	216	.01	.00	.01	1.
1	0930	96	.03	.03	.00	0.	*	1	2136	217	.01	.00	.01	1.
1	0936	97	.03	.03	.00	0.	*	1	2142	218	.01	.00	.01	1.
1	0942	98	.03	.03	.00	0.	*	1	2148	219	.01	.00	.01	1.
1	0948	99	.03	.02	.00	0.	*	1	2154	220	.01	.00	.01	1.
1	0954	100	.03	.03	.00	0.	*	1	2200	221	.01	.00	.01	1.
1	1000	101	.03	.02	.00	1.	*	1	2206	222	.01	.00	.01	1.
1	1006	102	.04	.03	.01	1.	*	1	2212	223	.01	.00	.01	1.
1	1012	103	.03	.03	.01	1.	*	1	2218	224	.01	.00	.01	1.
1	1018	104	.04	.03	.01	1.	*	1	2224	225	.01	.00	.01	1.
1	1024	105	.03	.03	.01	1.	*	1	2230	226	.01	.00	.01	1.
1	1030	106	.04	.03	.01	1.	*	1	2236	227	.01	.00	.01	1.
1	1036	107	.04	.03	.01	1.	*	1	2242	228	.01	.00	.01	1.
1	1042	108	.04	.03	.01	1.	*	1	2248	229	.01	.00	.01	1.
1	1048	109	.05	.04	.01	1.	*	1	2254	230	.01	.00	.01	1.
1	1054	110	.05	.04	.01	1.	*	1	2300	231	.01	.00	.01	1.
1	1100	111	.06	.04	.01	2.	*	1	2306	232	.01	.00	.01	1.
1	1106	112	.06	.04	.02	2.	*	1	2312	233	.01	.00	.01	1.
1	1112	113	.06	.04	.02	2.	*	1	2318	234	.01	.00	.01	1.
1	1118	114	.07	.05	.02	2.	*	1	2324	235	.01	.00	.01	1.
1	1124	115	.08	.05	.03	3.	*	1	2330	236	.01	.00	.01	1.
1	1130	116	.08	.05	.03	3.	*	1	2336	237	.01	.00	.01	1.
1	1136	117	.10	.06	.04	4.	*	1	2342	238	.01	.00	.01	1.
1	1142	118	.11	.07	.04	4.	*	1	2348	239	.00	.00	.00	1.
1	1148	119	.24	.14	.10	7.	*	1	2354	240	.00	.00	.00	1.
1	1154	120	.37	.20	.18	12.	*	2	0000	241	.01	.00	.01	1.
1	1200	121	.59	.27	.32	21.	*							

****

TOTAL RAINFALL = 7.00, TOTAL LOSS = 3.59, TOTAL EXCESS = 3.41

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR

```
+   (CFS)      (HR)
                          (CFS)
+     39.      12.20                     6.         2.         2.          2.
                        (INCHES)     2.803      3.401      3.401       3.401
                        (AC-FT)         3.         4.         4.          4.

                        CUMULATIVE AREA =      .02 SQ MI

1                                                    STATION     SUB E

                         (O) OUTFLOW
           0.        5.       10.       15.       20.       25.       30.       35.       40.        0.        0.        0.        0.
                                                                                                      (L) PRECIP,  (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
 10530  560         .         .         .         .         .         .         .         .         .         .         .         .
 10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
 10542  580         .         .         .         .         .         .         .         .         .         .         .         .
 10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
 10554  600         .         .         .         .         .         .         .         .         .         .         .         .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
 10612  630         .         .         .         .         .         .         .         .         .         .         .         .
 10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
 10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
 10630  660         .         .         .         .         .         .         .         .         .         .         .         .
 10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
 10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
 10648  690         .         .         .         .         .         .         .         .         .         .         .         .
 10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
 10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
 10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
 10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
 10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
 10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
 10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
 10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
 10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
 10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
 10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
 10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
 10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
 10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
 10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
 10836  870         .         .         .         .         .         .         .         .         .         .         .        L.
 10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
 10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
 10854  900         .         .         .         .         .         .         .         .         .         .         .        L.
 10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
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10906  92O          .         .         .         .         .         .         .         .         .         .         .        L.
10912  93O          .         .         .         .         .         .         .         .         .         .         .        L.
10918  94O          .         .         .         .         .         .         .         .         .         .         .        L.
10924  95O          .         .         .         .         .         .         .         .         .         .         .        L.
10930  96.O         .         .         .         .         .         .         .         .         .         .         .        L.
10936  97.O         .         .         .         .         .         .         .         .         .         .         .        L.
10942  98.O         .         .         .         .         .         .         .         .         .         .         .       LL.
10948  99.O         .         .         .         .         .         .         .         .         .         .         .        L.
10954 100.O         .         .         .         .         .         .         .         .         .         .         .       LL.
11000 101.O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102.O         .         .         .         .         .         .         .         .         .         .         .       LL.
11012 103.O         .         .         .         .         .         .         .         .         .         .         .       LL.
11018 104. O        .         .         .         .         .         .         .         .         .         .         .       LL.
11024 105. O        .         .         .         .         .         .         .         .         .         .         .       LL.
11030 106. O        .         .         .         .         .         .         .         .         .         .         .       LL.
11036 107. O        .         .         .         .         .         .         .         .         .         .         .       LL.
11042 108. O        .         .         .         .         .         .         .         .         .         .         .       LL.
11048 109.  O       .         .         .         .         .         .         .         .         .         .         .       LX.
11054 110.  O       .         .         .         .         .         .         .         .         .         .         .       LX.
11100 111. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.   O      .         .         .         .         .         .         .         .         .         .         .      LLX.
11112 113.   O      .         .         .         .         .         .         .         .         .         .         .      LLX.
11118 114.    O     .         .         .         .         .         .         .         .         .         .         .      LLX.
11124 115.    O     .         .         .         .         .         .         .         .         .         .         .     LLLX.
11130 116.     O    .         .         .         .         .         .         .         .         .         .         .     LLLX.
11136 117.      O   .         .         .         .         .         .         .         .         .         .         .    LLLXX.
11142 118.         O.         .         .         .         .         .         .         .         .         .         .   LLLLXX.
11148 119.          .  O      .         .         .         .         .         .         .         .         .       LLLLLLLXXXXX.
11154 120.          .         .  O      .         .         .         .         .         .         .         .LLLLLLLLLLXXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . .LLLLLLLLLLLLLLXXXXXXXXXXXXXXX.
11206 122.          .         .         .         .         .         .    O    .         .         .LLLLLLLLLLLLXXXXXXXXXXXXXXXXX.
11212 123.          .         .         .         .         .         .         .      O  .         .         .LLLLLLLXXXXXXXXXXXX.
11218 124.          .         .         .         .         .         .         .O        .         .         .       LLLLXXXXXXXX.
11224 125.          .         .         .         .         .  O      .         .         .         .         .         .   LLXXXX.
11230 126.          .         .         .     O   .         .         .         .         .         .         .         .    LLXXX.
11236 127.          .         .    O    .         .         .         .         .         .         .         .         .     LXXX.
11242 128.          .        O.         .         .         .         .         .         .         .         .         .     LXXX.
11248 129.          .     O   .         .         .         .         .         .         .         .         .         .      LXX.
11254 130.          .   O     .         .         .         .         .         .         .         .         .         .      LXX.
11300 131. . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.          . O       .         .         .         .         .         .         .         .         .         .       XX.
11312 133.          .O        .         .         .         .         .         .         .         .         .         .      LXX.
11318 134.          O         .         .         .         .         .         .         .         .         .         .       XX.
11324 135.          O         .         .         .         .         .         .         .         .         .         .       XX.
11330 136.         O.         .         .         .         .         .         .         .         .         .         .       XX.
11336 137.         O.         .         .         .         .         .         .         .         .         .         .       LX.
11342 138.        O .         .         .         .         .         .         .         .         .         .         .       XX.
11348 139.        O .         .         .         .         .         .         .         .         .         .         .       LX.
11354 140.        O .         .         .         .         .         .         .         .         .         .         .       LX.
11400 141. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.      O   .         .         .         .         .         .         .         .         .         .         .       LX.
11412 143.      O   .         .         .         .         .         .         .         .         .         .         .       LX.
11418 144.      O   .         .         .         .         .         .         .         .         .         .         .        X.
11424 145.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11430 146.     O    .         .         .         .         .         .         .         .         .         .         .       LX.
11436 147.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11442 148.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11448 149.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11500 151. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11512 153.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.   O      .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.   O      .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.   O      .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.   O      .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.   O      .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.   O      .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.   O      .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.   O      .         .         .         .         .         .         .         .         .         .         .        X.
11654 170.   O      .         .         .         .         .         .         .         .         .         .         .        X.
11700 171. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.  O       .         .         .         .         .         .         .         .         .         .         .        X.
11712 173.  O       .         .         .         .         .         .         .         .         .         .         .        X.
11718 174.  O       .         .         .         .         .         .         .         .         .         .         .        X.
11724 175.  O       .         .         .         .         .         .         .         .         .         .         .        X.
11730 176.  O       .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O        .         .         .         .         .         .         .         .         .         .         .        X.
11742 178.  O       .         .         .         .         .         .         .         .         .         .         .        X.
11748 179.  O       .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O        .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.  O       .         .         .         .         .         .         .         .         .         .         .         .
11812 183. O        .         .         .         .         .         .         .         .         .         .         .        X.
11818 184. O        .         .         .         .         .         .         .         .         .         .         .         .
11824 185. O        .         .         .         .         .         .         .         .         .         .         .        X.
11830 186. O        .         .         .         .         .         .         .         .         .         .         .         .
11836 187. O        .         .         .         .         .         .         .         .         .         .         .        X.
11842 188. O        .         .         .         .         .         .         .         .         .         .         .         .
11848 189. O        .         .         .         .         .         .         .         .         .         .         .        X.
11854 190. O        .         .         .         .         .         .         .         .         .         .         .         .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192. O        .         .         .         .         .         .         .         .         .         .         .         .
11912 193. O        .         .         .         .         .         .         .         .         .         .         .         .
11918 194. O        .         .         .         .         .         .         .         .         .         .         .        X.
11924 195. O        .         .         .         .         .         .         .         .         .         .         .         .
11930 196. O        .         .         .         .         .         .         .         .         .         .         .        X.
11936 197. O        .         .         .         .         .         .         .         .         .         .         .         .
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11942 198. O     .         .         .         .         .         .         .         .         .         .         .         .        X.
11948 199. O     .         .         .         .         .         .         .         .         .         .         .         .        X.
11954 200. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O     .         .         .         .         .         .         .         .         .         .         .         .        X.
12018 204. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O     .         .         .         .         .         .         .         .         .         .         .         .        X.
12042 208. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O     .         .         .         .         .         .         .         .         .         .         .         .        X.
12112 213. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12136 217. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O     .         .         .         .         .         .         .         .         .         .         .         .         .
12348 239.O      .         .         .         .         .         .         .         .         .         .         .         .         .
12354 240.O      .         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB E
PLAN 1, RATIO = 1.00

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.01	.01	.00	0.
1		0012	3	.01	.01	.00	0.
1		0018	4	.01	.01	.00	0.
1		0024	5	.01	.01	.00	0.
1		0030	6	.01	.01	.00	0.
1		0036	7	.01	.01	.00	0.
1		0042	8	.01	.01	.00	0.
1		0048	9	.01	.01	.00	0.
1		0054	10	.01	.01	.00	0.
1		0100	11	.01	.01	.00	0.
1		0106	12	.01	.01	.00	0.
1		0112	13	.01	.01	.00	0.
1		0118	14	.01	.01	.00	0.
1		0124	15	.01	.01	.00	0.
1		0130	16	.01	.01	.00	0.
1		0136	17	.01	.01	.00	0.
1		0142	18	.01	.01	.00	0.
1		0148	19	.01	.01	.00	0.
1		0154	20	.01	.01	.00	0.
1		0200	21	.01	.01	.00	0.
1		0206	22	.01	.01	.00	0.
1		0212	23	.01	.01	.00	0.
1		0218	24	.01	.01	.00	0.
1		0224	25	.01	.01	.00	0.
1		0230	26	.02	.02	.00	0.
1		0236	27	.01	.01	.00	0.
1		0242	28	.01	.01	.00	0.
1		0248	29	.01	.01	.00	0.
1		0254	30	.01	.01	.00	0.
1		0300	31	.01	.01	.00	0.
1		0306	32	.01	.01	.00	0.
1		0312	33	.02	.02	.00	0.
1		0318	34	.01	.01	.00	0.
1		0324	35	.01	.01	.00	0.
1		0330	36	.01	.01	.00	0.
1		0336	37	.01	.01	.00	0.
1		0342	38	.02	.02	.00	0.
1		0348	39	.01	.01	.00	0.
1		0354	40	.01	.01	.00	0.
1		0400	41	.01	.01	.00	0.
1		0406	42	.02	.02	.00	0.
1		0412	43	.01	.01	.00	0.
1		0418	44	.01	.01	.00	0.
1		0424	45	.02	.02	.00	0.
1		0430	46	.01	.01	.00	0.
1		0436	47	.01	.01	.00	0.
1		0442	48	.02	.02	.00	0.
1		0448	49	.01	.01	.00	0.
1		0454	50	.01	.01	.00	0.
1		0500	51	.02	.02	.00	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1206	122	.67	.23	.44	42.
1		1212	123	.43	.13	.30	49.
1		1218	124	.28	.08	.20	44.
1		1224	125	.13	.03	.09	33.
1		1230	126	.10	.03	.08	23.
1		1236	127	.10	.02	.07	16.
1		1242	128	.09	.02	.07	12.
1		1248	129	.07	.02	.05	10.
1		1254	130	.07	.02	.05	9.
1		1300	131	.06	.01	.05	8.
1		1306	132	.06	.01	.04	7.
1		1312	133	.06	.01	.05	7.
1		1318	134	.05	.01	.04	6.
1		1324	135	.06	.01	.04	6.
1		1330	136	.05	.01	.04	6.
1		1336	137	.04	.01	.03	5.
1		1342	138	.05	.01	.04	5.
1		1348	139	.04	.01	.03	5.
1		1354	140	.04	.01	.03	5.
1		1400	141	.04	.01	.03	4.
1		1406	142	.04	.01	.03	4.
1		1412	143	.04	.01	.03	4.
1		1418	144	.03	.01	.03	4.
1		1424	145	.03	.01	.03	4.
1		1430	146	.04	.01	.03	4.
1		1436	147	.03	.01	.03	4.
1		1442	148	.03	.01	.03	4.
1		1448	149	.02	.00	.02	3.
1		1454	150	.03	.01	.03	3.
1		1500	151	.03	.01	.03	3.
1		1506	152	.03	.01	.03	3.
1		1512	153	.02	.00	.02	3.
1		1518	154	.03	.01	.03	3.
1		1524	155	.02	.00	.02	3.
1		1530	156	.02	.00	.02	3.
1		1536	157	.03	.01	.03	3.
1		1542	158	.02	.00	.02	3.
1		1548	159	.02	.00	.02	3.
1		1554	160	.02	.00	.02	3.
1		1600	161	.02	.00	.02	3.
1		1606	162	.02	.00	.02	3.
1		1612	163	.02	.00	.02	3.
1		1618	164	.02	.00	.02	3.
1		1624	165	.02	.00	.02	3.
1		1630	166	.02	.00	.01	3.
1		1636	167	.02	.00	.02	2.
1		1642	168	.02	.00	.02	2.
1		1648	169	.02	.00	.01	2.
1		1654	170	.02	.00	.01	2.
1		1700	171	.01	.00	.01	2.
1		1706	172	.02	.00	.01	2.

1	0506	52	.01	.01	.00	0.	*	1	1712	173	.02	.00	.01	2.
1	0512	53	.02	.02	.00	0.	*	1	1718	174	.02	.00	.01	2.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.02	.00	.01	2.
1	0524	55	.02	.02	.00	0.	*	1	1730	176	.01	.00	.01	2.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.02	.00	.01	1.
1	0536	57	.02	.02	.00	0.	*	1	1742	178	.02	.00	.01	2.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	2.
1	0548	59	.02	.02	.00	0.	*	1	1754	180	.02	.00	.01	1.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.02	.00	.01	2.
1	0600	61	.02	.02	.00	0.	*	1	1806	182	.01	.00	.01	2.
1	0606	62	.02	.02	.00	0.	*	1	1812	183	.02	.00	.01	1.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	1.
1	0618	64	.02	.02	.00	0.	*	1	1824	185	.02	.00	.01	1.
1	0624	65	.02	.02	.00	0.	*	1	1830	186	.01	.00	.01	1.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.02	.00	.01	1.
1	0636	67	.02	.02	.00	0.	*	1	1842	188	.01	.00	.01	1.
1	0642	68	.02	.02	.00	0.	*	1	1848	189	.02	.00	.01	1.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	1.
1	0654	70	.02	.02	.00	0.	*	1	1900	191	.02	.00	.01	1.
1	0700	71	.02	.02	.00	0.	*	1	1906	192	.01	.00	.01	1.
1	0706	72	.02	.02	.00	0.	*	1	1912	193	.01	.00	.01	1.
1	0712	73	.02	.02	.00	0.	*	1	1918	194	.02	.00	.01	1.
1	0718	74	.02	.02	.00	0.	*	1	1924	195	.01	.00	.01	1.
1	0724	75	.02	.02	.00	0.	*	1	1930	196	.02	.00	.01	1.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	1.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	1.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.02	.00	.01	1.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	1.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	1.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	1.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.02	.00	.01	1.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	1.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	1.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	1.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.02	.00	.01	1.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	1.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	1.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	1.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	1.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.02	.00	.01	1.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	1.
1	0912	93	.03	.03	.00	0.	*	1	2118	214	.01	.00	.01	1.
1	0918	94	.03	.03	.00	0.	*	1	2124	215	.01	.00	.01	1.
1	0924	95	.03	.03	.00	0.	*	1	2130	216	.01	.00	.01	1.
1	0930	96	.03	.03	.00	1.	*	1	2136	217	.01	.00	.01	1.
1	0936	97	.03	.03	.00	1.	*	1	2142	218	.01	.00	.01	1.
1	0942	98	.04	.03	.01	1.	*	1	2148	219	.01	.00	.01	1.
1	0948	99	.03	.03	.01	1.	*	1	2154	220	.01	.00	.01	1.
1	0954	100	.04	.03	.01	1.	*	1	2200	221	.02	.00	.01	1.
1	1000	101	.03	.03	.01	1.	*	1	2206	222	.01	.00	.01	1.
1	1006	102	.04	.03	.01	1.	*	1	2212	223	.01	.00	.01	1.
1	1012	103	.04	.03	.01	1.	*	1	2218	224	.01	.00	.01	1.
1	1018	104	.05	.04	.01	1.	*	1	2224	225	.01	.00	.01	1.
1	1024	105	.04	.03	.01	1.	*	1	2230	226	.01	.00	.01	1.
1	1030	106	.05	.04	.01	1.	*	1	2236	227	.01	.00	.01	1.
1	1036	107	.05	.03	.01	2.	*	1	2242	228	.01	.00	.01	1.
1	1042	108	.05	.03	.01	2.	*	1	2248	229	.01	.00	.01	1.
1	1048	109	.06	.04	.02	2.	*	1	2254	230	.01	.00	.01	1.
1	1054	110	.06	.04	.02	2.	*	1	2300	231	.01	.00	.01	1.
1	1100	111	.06	.04	.02	2.	*	1	2306	232	.01	.00	.01	1.
1	1106	112	.06	.04	.02	3.	*	1	2312	233	.01	.00	.01	1.
1	1112	113	.06	.04	.02	3.	*	1	2318	234	.01	.00	.01	1.
1	1118	114	.08	.05	.03	3.	*	1	2324	235	.01	.00	.01	1.
1	1124	115	.09	.05	.03	4.	*	1	2330	236	.01	.00	.01	1.
1	1130	116	.09	.05	.04	4.	*	1	2336	237	.01	.00	.01	1.
1	1136	117	.11	.06	.05	5.	*	1	2342	238	.01	.00	.01	1.
1	1142	118	.13	.07	.06	6.	*	1	2348	239	.00	.00	.00	1.
1	1148	119	.28	.15	.13	9.	*	1	2354	240	.00	.00	.00	1.
1	1154	120	.42	.20	.23	15.	*	2	0000	241	.01	.00	.01	1.
1	1200	121	.67	.27	.40	27.	*							

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   TOTAL RAINFALL =     8.00, TOTAL LOSS =    3.76, TOTAL EXCESS =     4.24

  PEAK FLOW       TIME                          MAXIMUM AVERAGE FLOW
                                      6-HR         24-HR        72-HR        24.00-HR
+   (CFS)         (HR)
                             (CFS)
+      49.        12.20                   8.            2.           2.            2.
                           (INCHES)    3.467         4.224        4.224         4.224
                           (AC-FT)        4.            5.           5.            5.

                           CUMULATIVE AREA =     .02 SQ MI

1                                                        STATION    SUB E

                             (O) OUTFLOW
          0.         10.         20.         30.         40.         50.         0.         0.         0.         0.         0.         0.         0.
                                                                                                                   (L) PRECIP,   (X) EXCESS
          .0          .0          .0          .0          .0          .0          .0          .0          .8          .6          .4          .2          .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
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10124  150         .         .         .         .         .         .         .         .         .         .         .         .
10130  160         .         .         .         .         .         .         .         .         .         .         .         .
10136  170         .         .         .         .         .         .         .         .         .         .         .         .
10142  180         .         .         .         .         .         .         .         .         .         .         .         .
10148  190         .         .         .         .         .         .         .         .         .         .         .         .
10154  200         .         .         .         .         .         .         .         .         .         .         .         .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220         .         .         .         .         .         .         .         .         .         .         .         .
10212  230         .         .         .         .         .         .         .         .         .         .         .         .
10218  240         .         .         .         .         .         .         .         .         .         .         .         .
10224  250         .         .         .         .         .         .         .         .         .         .         .         .
10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
10236  270         .         .         .         .         .         .         .         .         .         .         .         .
10242  280         .         .         .         .         .         .         .         .         .         .         .         .
10248  290         .         .         .         .         .         .         .         .         .         .         .         .
10254  300         .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320         .         .         .         .         .         .         .         .         .         .         .         .
10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
10318  340         .         .         .         .         .         .         .         .         .         .         .         .
10324  350         .         .         .         .         .         .         .         .         .         .         .         .
10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
10354  400         .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
10412  430         .         .         .         .         .         .         .         .         .         .         .         .
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .       LL.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .       LL.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .       LL.
10918  940         .         .         .         .         .         .         .         .         .         .         .       LL.
10924  950         .         .         .         .         .         .         .         .         .         .         .       LL.
10930  96.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10936  97.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10942  98.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10948  99.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10954 100.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11000 101.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 102.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11012 103.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11018 104.o        .         .         .         .         .         .         .         .         .         .         .       LX.
11024 105.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11030 106.o        .         .         .         .         .         .         .         .         .         .         .       LX.
11036 107. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11042 108. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11048 109. o       .         .         .         .         .         .         .         .         .         .         .      LLX.
11054 110. o       .         .         .         .         .         .         .         .         .         .         .      LLX.
11100 111. o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.  o      .         .         .         .         .         .         .         .         .         .         .      LLX.
11112 113.  o      .         .         .         .         .         .         .         .         .         .         .      LLX.
11118 114.  o      .         .         .         .         .         .         .         .         .         .         .     LLLX.
11124 115.   o     .         .         .         .         .         .         .         .         .         .         .     LLXX.
11130 116.   o     .         .         .         .         .         .         .         .         .         .         .     LLXX.
11136 117.    o    .         .         .         .         .         .         .         .         .         .         .   LLLLXX.
11142 118.     o   .         .         .         .         .         .         .         .         .         .         .   LLLXXX.
11148 119.        o.         .         .         .         .         .         .         .         .         .     LLLLLLLXXXXXXX.
11154 120.         .    o    .         .         .         .         .         .         .        LLLLLLLLLLXXXXXXXXXXX.
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11200 121. . . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LLLLLLLLLLLLLXXXXXXXXXXXXXXXXXXXX.
11206 122.       .         .         .         . O       .         .         .         .         LLLLLLLLLLLLXXXXXXXXXXXXXXXXXXXXX.
11212 123.       .         .         .         .         O.        .         .         .         .          LLLLLLLXXXXXXXXXXXXXXX.
11218 124.       .         .         .         .   O     .         .         .         .         .         .       LLLLXXXXXXXXXX.
11224 125.       .         .         .    O    .         .         .         .         .         .         .         .  LXXXXX.
11230 126.       .         .  O      .         .         .         .         .         .         .         .         .   LXXXX.
11236 127.       .     O   .         .         .         .         .         .         .         .         .         .   LXXXX.
11242 128.       . O       .         .         .         .         .         .         .         .         .         .    LXXX.
11248 129.      O          .         .         .         .         .         .         .         .         .         .    LXXX.
11254 130.     O.          .         .         .         .         .         .         .         .         .         .    LXXX.
11300 131. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.   O   .         .         .         .         .         .         .         .         .         .         .     LXX.
11312 133.   O   .         .         .         .         .         .         .         .         .         .         .     LXX.
11318 134.  O    .         .         .         .         .         .         .         .         .         .         .      XX.
11324 135.  O    .         .         .         .         .         .         .         .         .         .         .     LXX.
11330 136.  O    .         .         .         .         .         .         .         .         .         .         .      XX.
11336 137. O     .         .         .         .         .         .         .         .         .         .         .      XX.
11342 138. O     .         .         .         .         .         .         .         .         .         .         .      XX.
11348 139. O     .         .         .         .         .         .         .         .         .         .         .      XX.
11354 140. O     .         .         .         .         .         .         .         .         .         .         .      XX.
11400 141. .O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .XX.
11406 142. O     .         .         .         .         .         .         .         .         .         .         .      XX.
11412 143. O     .         .         .         .         .         .         .         .         .         .         .      XX.
11418 144. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11424 145. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11430 146. O     .         .         .         .         .         .         .         .         .         .         .      XX.
11436 147. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11442 148. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11448 149. O     .         .         .         .         .         .         .         .         .         .         .       X.
11454 150. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11500 151. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LX.
11506 152. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11512 153. O     .         .         .         .         .         .         .         .         .         .         .       X.
11518 154. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11524 155. O     .         .         .         .         .         .         .         .         .         .         .       X.
11530 156. O     .         .         .         .         .         .         .         .         .         .         .       X.
11536 157. O     .         .         .         .         .         .         .         .         .         .         .      LX.
11542 158. O     .         .         .         .         .         .         .         .         .         .         .       X.
11548 159. O     .         .         .         .         .         .         .         .         .         .         .       X.
11554 160. O     .         .         .         .         .         .         .         .         .         .         .       X.
11600 161. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162. O     .         .         .         .         .         .         .         .         .         .         .       X.
11612 163. O     .         .         .         .         .         .         .         .         .         .         .       X.
11618 164. O     .         .         .         .         .         .         .         .         .         .         .       X.
11624 165. O     .         .         .         .         .         .         .         .         .         .         .       X.
11630 166. O     .         .         .         .         .         .         .         .         .         .         .       X.
11636 167. O     .         .         .         .         .         .         .         .         .         .         .       X.
11642 168. O     .         .         .         .         .         .         .         .         .         .         .       X.
11648 169. O     .         .         .         .         .         .         .         .         .         .         .       X.
11654 170. O     .         .         .         .         .         .         .         .         .         .         .       X.
11700 171. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172. O     .         .         .         .         .         .         .         .         .         .         .       X.
11712 173. O     .         .         .         .         .         .         .         .         .         .         .       X.
11718 174. O     .         .         .         .         .         .         .         .         .         .         .       X.
11724 175. O     .         .         .         .         .         .         .         .         .         .         .       X.
11730 176. O     .         .         .         .         .         .         .         .         .         .         .        .
11736 177.O      .         .         .         .         .         .         .         .         .         .         .       X.
11742 178. O     .         .         .         .         .         .         .         .         .         .         .       X.
11748 179. O     .         .         .         .         .         .         .         .         .         .         .        .
11754 180.O      .         .         .         .         .         .         .         .         .         .         .       X.
11800 181. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182. O     .         .         .         .         .         .         .         .         .         .         .        .
11812 183.O      .         .         .         .         .         .         .         .         .         .         .       X.
11818 184.O      .         .         .         .         .         .         .         .         .         .         .        .
11824 185.O      .         .         .         .         .         .         .         .         .         .         .       X.
11830 186.O      .         .         .         .         .         .         .         .         .         .         .        .
11836 187.O      .         .         .         .         .         .         .         .         .         .         .       X.
11842 188.O      .         .         .         .         .         .         .         .         .         .         .        .
11848 189.O      .         .         .         .         .         .         .         .         .         .         .       X.
11854 190.O      .         .         .         .         .         .         .         .         .         .         .        .
11900 191.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.O      .         .         .         .         .         .         .         .         .         .         .        .
11912 193.O      .         .         .         .         .         .         .         .         .         .         .        .
11918 194.O      .         .         .         .         .         .         .         .         .         .         .       X.
11924 195.O      .         .         .         .         .         .         .         .         .         .         .        .
11930 196.O      .         .         .         .         .         .         .         .         .         .         .       X.
11936 197.O      .         .         .         .         .         .         .         .         .         .         .        .
11942 198.O      .         .         .         .         .         .         .         .         .         .         .        .
11948 199.O      .         .         .         .         .         .         .         .         .         .         .       X.
11954 200.O      .         .         .         .         .         .         .         .         .         .         .        .
12000 201.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.O      .         .         .         .         .         .         .         .         .         .         .        .
12012 203.O      .         .         .         .         .         .         .         .         .         .         .       X.
12018 204.O      .         .         .         .         .         .         .         .         .         .         .        .
12024 205.O      .         .         .         .         .         .         .         .         .         .         .        .
12030 206.O      .         .         .         .         .         .         .         .         .         .         .        .
12036 207.O      .         .         .         .         .         .         .         .         .         .         .       X.
12042 208.O      .         .         .         .         .         .         .         .         .         .         .        .
12048 209.O      .         .         .         .         .         .         .         .         .         .         .        .
12054 210.O      .         .         .         .         .         .         .         .         .         .         .        .
12100 211.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.O      .         .         .         .         .         .         .         .         .         .         .       X.
12112 213.O      .         .         .         .         .         .         .         .         .         .         .        .
12118 214.O      .         .         .         .         .         .         .         .         .         .         .        .
12124 215.O      .         .         .         .         .         .         .         .         .         .         .        .
12130 216.O      .         .         .         .         .         .         .         .         .         .         .        .
12136 217.O      .         .         .         .         .         .         .         .         .         .         .        .
12142 218.O      .         .         .         .         .         .         .         .         .         .         .        .
12148 219.O      .         .         .         .         .         .         .         .         .         .         .        .
12154 220.O      .         .         .         .         .         .         .         .         .         .         .        .
12200 221.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222.O      .         .         .         .         .         .         .         .         .         .         .        .
12212 223.O      .         .         .         .         .         .         .         .         .         .         .        .
12218 224.O      .         .         .         .         .         .         .         .         .         .         .        .
12224 225.O      .         .         .         .         .         .         .         .         .         .         .        .
12230 226.O      .         .         .         .         .         .         .         .         .         .         .        .
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12236 227.0         .         .         .         .         .         .         .         .         .         .         .         .
12242 228.0         .         .         .         .         .         .         .         .         .         .         .         .
12248 229.0         .         .         .         .         .         .         .         .         .         .         .         .
12254 230.0         .         .         .         .         .         .         .         .         .         .         .         .
12300 231.0. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.0         .         .         .         .         .         .         .         .         .         .         .         .
12312 233.0         .         .         .         .         .         .         .         .         .         .         .         .
12318 234.0         .         .         .         .         .         .         .         .         .         .         .         .
12324 235.0         .         .         .         .         .         .         .         .         .         .         .         .
12330 236.0         .         .         .         .         .         .         .         .         .         .         .         .
12336 237.0         .         .         .         .         .         .         .         .         .         .         .         .
12342 238.0         .         .         .         .         .         .         .         .         .         .         .         .
12348 239.0         .         .         .         .         .         .         .         .         .         .         .         .
12354 240.0         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.0---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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               **************
               *            *
116 KK         *   COMB3    *        COMBINE FLOWS FROM COMB2 & SUB E
               *            *
               **************

118 KO               OUTPUT CONTROL VARIABLES
                          IPRNT          2  PRINT CONTROL
                          IPLOT          2  PLOT CONTROL
                          QSCAL         0.  HYDROGRAPH PLOT SCALE

119 HC               HYDROGRAPH COMBINATION
                          ICOMP          2  NUMBER OF HYDROGRAPHS TO COMBINE
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HYDROGRAPH AT STATION COMB3
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	23.	1		1818	184	2.
1		0006	2	0.	1		0612	63	0.	1		1218	124	26.	1		1824	185	2.
1		0012	3	0.	1		0618	64	0.	1		1224	125	26.	1		1830	186	2.
1		0018	4	0.	1		0624	65	0.	1		1230	126	24.	1		1836	187	2.
1		0024	5	0.	1		0630	66	0.	1		1236	127	23.	1		1842	188	2.
1		0030	6	0.	1		0636	67	0.	1		1242	128	23.	1		1848	189	2.
1		0036	7	0.	1		0642	68	0.	1		1248	129	23.	1		1854	190	2.
1		0042	8	0.	1		0648	69	0.	1		1254	130	22.	1		1900	191	2.
1		0048	9	0.	1		0654	70	0.	1		1300	131	21.	1		1906	192	2.
1		0054	10	0.	1		0700	71	0.	1		1306	132	19.	1		1912	193	2.
1		0100	11	0.	1		0706	72	0.	1		1312	133	17.	1		1918	194	2.
1		0106	12	0.	1		0712	73	0.	1		1318	134	16.	1		1924	195	2.
1		0112	13	0.	1		0718	74	0.	1		1324	135	14.	1		1930	196	2.
1		0118	14	0.	1		0724	75	0.	1		1330	136	13.	1		1936	197	2.
1		0124	15	0.	1		0730	76	0.	1		1336	137	12.	1		1942	198	2.
1		0130	16	0.	1		0736	77	0.	1		1342	138	11.	1		1948	199	2.
1		0136	17	0.	1		0742	78	0.	1		1348	139	10.	1		1954	200	2.
1		0142	18	0.	1		0748	79	0.	1		1354	140	9.	1		2000	201	2.
1		0148	19	0.	1		0754	80	0.	1		1400	141	9.	1		2006	202	2.
1		0154	20	0.	1		0800	81	0.	1		1406	142	8.	1		2012	203	2.
1		0200	21	0.	1		0806	82	0.	1		1412	143	8.	1		2018	204	2.
1		0206	22	0.	1		0812	83	0.	1		1418	144	7.	1		2024	205	2.
1		0212	23	0.	1		0818	84	0.	1		1424	145	7.	1		2030	206	2.
1		0218	24	0.	1		0824	85	0.	1		1430	146	7.	1		2036	207	2.
1		0224	25	0.	1		0830	86	0.	1		1436	147	6.	1		2042	208	2.
1		0230	26	0.	1		0836	87	0.	1		1442	148	6.	1		2048	209	2.
1		0236	27	0.	1		0842	88	0.	1		1448	149	6.	1		2054	210	2.
1		0242	28	0.	1		0848	89	0.	1		1454	150	6.	1		2100	211	2.
1		0248	29	0.	1		0854	90	0.	1		1500	151	6.	1		2106	212	2.
1		0254	30	0.	1		0900	91	0.	1		1506	152	5.	1		2112	213	2.
1		0300	31	0.	1		0906	92	0.	1		1512	153	5.	1		2118	214	2.
1		0306	32	0.	1		0912	93	0.	1		1518	154	5.	1		2124	215	2.
1		0312	33	0.	1		0918	94	0.	1		1524	155	5.	1		2130	216	2.
1		0318	34	0.	1		0924	95	0.	1		1530	156	5.	1		2136	217	2.
1		0324	35	0.	1		0930	96	0.	1		1536	157	5.	1		2142	218	2.
1		0330	36	0.	1		0936	97	0.	1		1542	158	5.	1		2148	219	2.
1		0336	37	0.	1		0942	98	0.	1		1548	159	5.	1		2154	220	2.
1		0342	38	0.	1		0948	99	0.	1		1554	160	5.	1		2200	221	2.
1		0348	39	0.	1		0954	100	0.	1		1600	161	4.	1		2206	222	2.
1		0354	40	0.	1		1000	101	0.	1		1606	162	4.	1		2212	223	2.
1		0400	41	0.	1		1006	102	0.	1		1612	163	4.	1		2218	224	2.
1		0406	42	0.	1		1012	103	0.	1		1618	164	4.	1		2224	225	2.
1		0412	43	0.	1		1018	104	0.	1		1624	165	4.	1		2230	226	2.
1		0418	44	0.	1		1024	105	0.	1		1630	166	4.	1		2236	227	2.
1		0424	45	0.	1		1030	106	0.	1		1636	167	4.	1		2242	228	2.
1		0430	46	0.	1		1036	107	0.	1		1642	168	4.	1		2248	229	2.
1		0436	47	0.	1		1042	108	0.	1		1648	169	4.	1		2254	230	2.
1		0442	48	0.	1		1048	109	0.	1		1654	170	4.	1		2300	231	1.
1		0448	49	0.	1		1054	110	0.	1		1700	171	3.	1		2306	232	1.
1		0454	50	0.	1		1100	111	0.	1		1706	172	3.	1		2312	233	1.
1		0500	51	0.	1		1106	112	0.	1		1712	173	3.	1		2318	234	1.
1		0506	52	0.	1		1112	113	0.	1		1718	174	3.	1		2324	235	1.
1		0512	53	0.	1		1118	114	1.	1		1724	175	3.	1		2330	236	1.
1		0518	54	0.	1		1124	115	1.	1		1730	176	3.	1		2336	237	1.
1		0524	55	0.	1		1130	116	1.	1		1736	177	3.	1		2342	238	1.
1		0530	56	0.	1		1136	117	1.	1		1742	178	3.	1		2348	239	1.
1		0536	57	0.	1		1142	118	2.	1		1748	179	3.	1		2354	240	1.
1		0542	58	0.	1		1148	119	3.	1		1754	180	3.	2		0000	241	1.

```
   1      0548   59       0.   *    1      1154  120       5.   *    1      1800  181       2.   *
   1      0554   60       0.   *    1      1200  121       9.   *    1      1806  182       2.   *
   1      0600   61       0.   *    1      1206  122      16.   *    1      1812  183       2.   *
                               *                                *
*******************************************************************************************************************

   PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                       6-HR        24-HR        72-HR        24.00-HR
+    (CFS)        (HR)
                            (CFS)
+      26.       12.30                   9.          3.           3.            3.
                           (INCHES)   1.037       1.264        1.264         1.264
                           (AC-FT)       5.          6.           6.            6.

                           CUMULATIVE AREA =      .08 SQ MI

1                                                          STATION     COMB3

                         (O) OUTFLOW
          0.         4.         8.        12.        16.        20.        24.        28.        0.         0.         0.         0.         0.
DAHRMN PER
 10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9O         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10O         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12O         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13O         .         .         .         .         .         .         .         .         .         .         .         .
 10118  14O         .         .         .         .         .         .         .         .         .         .         .         .
 10124  15O         .         .         .         .         .         .         .         .         .         .         .         .
 10130  16O         .         .         .         .         .         .         .         .         .         .         .         .
 10136  17O         .         .         .         .         .         .         .         .         .         .         .         .
 10142  18O         .         .         .         .         .         .         .         .         .         .         .         .
 10148  19O         .         .         .         .         .         .         .         .         .         .         .         .
 10154  20O         .         .         .         .         .         .         .         .         .         .         .         .
 10200  21O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  22O         .         .         .         .         .         .         .         .         .         .         .         .
 10212  23O         .         .         .         .         .         .         .         .         .         .         .         .
 10218  24O         .         .         .         .         .         .         .         .         .         .         .         .
 10224  25O         .         .         .         .         .         .         .         .         .         .         .         .
 10230  26O         .         .         .         .         .         .         .         .         .         .         .         .
 10236  27O         .         .         .         .         .         .         .         .         .         .         .         .
 10242  28O         .         .         .         .         .         .         .         .         .         .         .         .
 10248  29O         .         .         .         .         .         .         .         .         .         .         .         .
 10254  30O         .         .         .         .         .         .         .         .         .         .         .         .
 10300  31O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  32O         .         .         .         .         .         .         .         .         .         .         .         .
 10312  33O         .         .         .         .         .         .         .         .         .         .         .         .
 10318  34O         .         .         .         .         .         .         .         .         .         .         .         .
 10324  35O         .         .         .         .         .         .         .         .         .         .         .         .
 10330  36O         .         .         .         .         .         .         .         .         .         .         .         .
 10336  37O         .         .         .         .         .         .         .         .         .         .         .         .
 10342  38O         .         .         .         .         .         .         .         .         .         .         .         .
 10348  39O         .         .         .         .         .         .         .         .         .         .         .         .
 10354  40O         .         .         .         .         .         .         .         .         .         .         .         .
 10400  41O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  42O         .         .         .         .         .         .         .         .         .         .         .         .
 10412  43O         .         .         .         .         .         .         .         .         .         .         .         .
 10418  44O         .         .         .         .         .         .         .         .         .         .         .         .
 10424  45O         .         .         .         .         .         .         .         .         .         .         .         .
 10430  46O         .         .         .         .         .         .         .         .         .         .         .         .
 10436  47O         .         .         .         .         .         .         .         .         .         .         .         .
 10442  48O         .         .         .         .         .         .         .         .         .         .         .         .
 10448  49O         .         .         .         .         .         .         .         .         .         .         .         .
 10454  50O         .         .         .         .         .         .         .         .         .         .         .         .
 10500  51O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506  52O         .         .         .         .         .         .         .         .         .         .         .         .
 10512  53O         .         .         .         .         .         .         .         .         .         .         .         .
 10518  54O         .         .         .         .         .         .         .         .         .         .         .         .
 10524  55O         .         .         .         .         .         .         .         .         .         .         .         .
 10530  56O         .         .         .         .         .         .         .         .         .         .         .         .
 10536  57O         .         .         .         .         .         .         .         .         .         .         .         .
 10542  58O         .         .         .         .         .         .         .         .         .         .         .         .
 10548  59O         .         .         .         .         .         .         .         .         .         .         .         .
 10554  60O         .         .         .         .         .         .         .         .         .         .         .         .
 10600  61O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606  62O         .         .         .         .         .         .         .         .         .         .         .         .
 10612  63O         .         .         .         .         .         .         .         .         .         .         .         .
 10618  64O         .         .         .         .         .         .         .         .         .         .         .         .
 10624  65O         .         .         .         .         .         .         .         .         .         .         .         .
 10630  66O         .         .         .         .         .         .         .         .         .         .         .         .
 10636  67O         .         .         .         .         .         .         .         .         .         .         .         .
 10642  68O         .         .         .         .         .         .         .         .         .         .         .         .
 10648  69O         .         .         .         .         .         .         .         .         .         .         .         .
 10654  70O         .         .         .         .         .         .         .         .         .         .         .         .
 10700  71O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10706  72O         .         .         .         .         .         .         .         .         .         .         .         .
 10712  73O         .         .         .         .         .         .         .         .         .         .         .         .
 10718  74O         .         .         .         .         .         .         .         .         .         .         .         .
 10724  75O         .         .         .         .         .         .         .         .         .         .         .         .
 10730  76O         .         .         .         .         .         .         .         .         .         .         .         .
 10736  77O         .         .         .         .         .         .         .         .         .         .         .         .
 10742  78O         .         .         .         .         .         .         .         .         .         .         .         .
 10748  79O         .         .         .         .         .         .         .         .         .         .         .         .
 10754  80O         .         .         .         .         .         .         .         .         .         .         .         .
 10800  81O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10806  82O         .         .         .         .         .         .         .         .         .         .         .         .
 10812  83O         .         .         .         .         .         .         .         .         .         .         .         .
 10818  84O         .         .         .         .         .         .         .         .         .         .         .         .
 10824  85O         .         .         .         .         .         .         .         .         .         .         .         .
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10830  860          .         .         .         .         .         .         .         .         .         .         .         .
10836  870          .         .         .         .         .         .         .         .         .         .         .         .
10842  880          .         .         .         .         .         .         .         .         .         .         .         .
10848  890          .         .         .         .         .         .         .         .         .         .         .         .
10854  900          .         .         .         .         .         .         .         .         .         .         .         .
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  920          .         .         .         .         .         .         .         .         .         .         .         .
10912  930          .         .         .         .         .         .         .         .         .         .         .         .
10918  940          .         .         .         .         .         .         .         .         .         .         .         .
10924  950          .         .         .         .         .         .         .         .         .         .         .         .
10930  960          .         .         .         .         .         .         .         .         .         .         .         .
10936  970          .         .         .         .         .         .         .         .         .         .         .         .
10942  980          .         .         .         .         .         .         .         .         .         .         .         .
10948  990          .         .         .         .         .         .         .         .         .         .         .         .
10954 1000          .         .         .         .         .         .         .         .         .         .         .         .
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 1020          .         .         .         .         .         .         .         .         .         .         .         .
11012 1030          .         .         .         .         .         .         .         .         .         .         .         .
11018 1040          .         .         .         .         .         .         .         .         .         .         .         .
11024 1050          .         .         .         .         .         .         .         .         .         .         .         .
11030 1060          .         .         .         .         .         .         .         .         .         .         .         .
11036 1070          .         .         .         .         .         .         .         .         .         .         .         .
11042 1080          .         .         .         .         .         .         .         .         .         .         .         .
11048 1090          .         .         .         .         .         .         .         .         .         .         .         .
11054 110.o         .         .         .         .         .         .         .         .         .         .         .         .
11100 111.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112.o         .         .         .         .         .         .         .         .         .         .         .         .
11112 113.o         .         .         .         .         .         .         .         .         .         .         .         .
11118 114. o        .         .         .         .         .         .         .         .         .         .         .         .
11124 115. o        .         .         .         .         .         .         .         .         .         .         .         .
11130 116. o        .         .         .         .         .         .         .         .         .         .         .         .
11136 117.  o       .         .         .         .         .         .         .         .         .         .         .         .
11142 118.   o      .         .         .         .         .         .         .         .         .         .         .         .
11148 119.     o    .         .         .         .         .         .         .         .         .         .         .         .
11154 120.          .o        .         .         .         .         .         .         .         .         .         .         .
11200 121. . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.          .         .         .         o         .         .         .         .         .         .         .         .
11212 123.          .         .         .         .         .      o  .         .         .         .         .         .
11218 124.          .         .         .         .         .         .     o   .         .         .         .         .
11224 125.          .         .         .         .         .         .    o    .         .         .         .         .
11230 126.          .         .         .         .         .         .o        .         .         .         .         .
11236 127.          .         .         .         .         .       o .         .         .         .         .         .
11242 128.          .         .         .         .         .      o  .         .         .         .         .         .
11248 129.          .         .         .         .         .      o  .         .         .         .         .         .
11254 130.          .         .         .         .         .    o    .         .         .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11306 132.          .         .         .         .       o .         .         .         .         .         .         .
11312 133.          .         .         .         .  o      .         .         .         .         .         .         .
11318 134.          .         .         .        o.         .         .         .         .         .         .         .
11324 135.          .         .         .    o    .         .         .         .         .         .         .         .
11330 136.          .         .         . o       .         .         .         .         .         .         .         .
11336 137.          .         .        o.         .         .         .         .         .         .         .         .
11342 138.          .         .      o  .         .         .         .         .         .         .         .         .
11348 139.          .         .    o    .         .         .         .         .         .         .         .         .
11354 140.          .         .  o      .         .         .         .         .         .         .         .         .
11400 141. . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.          .         o         .         .         .         .         .         .         .         .         .         .
11412 143.          .        o.         .         .         .         .         .         .         .         .         .         .
11418 144.          .       o .         .         .         .         .         .         .         .         .         .         .
11424 145.          .      o  .         .         .         .         .         .         .         .         .         .         .
11430 146.          .      o  .         .         .         .         .         .         .         .         .         .         .
11436 147.          .     o   .         .         .         .         .         .         .         .         .         .         .
11442 148.          .     o   .         .         .         .         .         .         .         .         .         .         .
11448 149.          .    o    .         .         .         .         .         .         .         .         .         .         .
11454 150.          .   o     .         .         .         .         .         .         .         .         .         .         .
11500 151. . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.          .   o     .         .         .         .         .         .         .         .         .         .         .
11512 153.          .  o      .         .         .         .         .         .         .         .         .         .         .
11518 154.          .  o      .         .         .         .         .         .         .         .         .         .         .
11524 155.          .  o      .         .         .         .         .         .         .         .         .         .         .
11530 156.          . o       .         .         .         .         .         .         .         .         .         .         .
11536 157.          . o       .         .         .         .         .         .         .         .         .         .         .
11542 158.          . o       .         .         .         .         .         .         .         .         .         .         .
11548 159.          . o       .         .         .         .         .         .         .         .         .         .         .
11554 160.          .o        .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.          .o        .         .         .         .         .         .         .         .         .         .         .
11612 163.          .o        .         .         .         .         .         .         .         .         .         .         .
11618 164.          .o        .         .         .         .         .         .         .         .         .         .         .
11624 165.          o         .         .         .         .         .         .         .         .         .         .         .
11630 166.          o         .         .         .         .         .         .         .         .         .         .         .
11636 167.          o         .         .         .         .         .         .         .         .         .         .         .
11642 168.          o         .         .         .         .         .         .         .         .         .         .         .
11648 169.          o         .         .         .         .         .         .         .         .         .         .         .
11654 170.         o.         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.        o .         .         .         .         .         .         .         .         .         .         .         .
11712 173.        o .         .         .         .         .         .         .         .         .         .         .         .
11718 174.        o .         .         .         .         .         .         .         .         .         .         .         .
11724 175.        o .         .         .         .         .         .         .         .         .         .         .         .
11730 176.       o  .         .         .         .         .         .         .         .         .         .         .         .
11736 177.       o  .         .         .         .         .         .         .         .         .         .         .         .
11742 178.       o  .         .         .         .         .         .         .         .         .         .         .         .
11748 179.      o   .         .         .         .         .         .         .         .         .         .         .         .
11754 180.      o   .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.      o   .         .         .         .         .         .         .         .         .         .         .         .
11812 183.      o   .         .         .         .         .         .         .         .         .         .         .         .
11818 184.      o   .         .         .         .         .         .         .         .         .         .         .         .
11824 185.      o   .         .         .         .         .         .         .         .         .         .         .         .
11830 186.      o   .         .         .         .         .         .         .         .         .         .         .         .
11836 187.      o   .         .         .         .         .         .         .         .         .         .         .         .
11842 188.     o    .         .         .         .         .         .         .         .         .         .         .         .
11848 189.     o    .         .         .         .         .         .         .         .         .         .         .         .
11854 190.     o    .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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11906 192.    O    .         .         .         .         .         .         .         .         .         .         .         .
11912 193.    O    .         .         .         .         .         .         .         .         .         .         .         .
11918 194.    O    .         .         .         .         .         .         .         .         .         .         .         .
11924 195.    O    .         .         .         .         .         .         .         .         .         .         .         .
11930 196.    O    .         .         .         .         .         .         .         .         .         .         .         .
11936 197.    O    .         .         .         .         .         .         .         .         .         .         .         .
11942 198.    O    .         .         .         .         .         .         .         .         .         .         .         .
11948 199.    O    .         .         .         .         .         .         .         .         .         .         .         .
11954 200.    O    .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.    O    .         .         .         .         .         .         .         .         .         .         .         .
12012 203.    O    .         .         .         .         .         .         .         .         .         .         .         .
12018 204.    O    .         .         .         .         .         .         .         .         .         .         .         .
12024 205.    O    .         .         .         .         .         .         .         .         .         .         .         .
12030 206.   O     .         .         .         .         .         .         .         .         .         .         .         .
12036 207.   O     .         .         .         .         .         .         .         .         .         .         .         .
12042 208.   O     .         .         .         .         .         .         .         .         .         .         .         .
12048 209.    O    .         .         .         .         .         .         .         .         .         .         .         .
12054 210.   O     .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.   O     .         .         .         .         .         .         .         .         .         .         .         .
12112 213.   O     .         .         .         .         .         .         .         .         .         .         .         .
12118 214.   O     .         .         .         .         .         .         .         .         .         .         .         .
12124 215.   O     .         .         .         .         .         .         .         .         .         .         .         .
12130 216.   O     .         .         .         .         .         .         .         .         .         .         .         .
12136 217.   O     .         .         .         .         .         .         .         .         .         .         .         .
12142 218.   O     .         .         .         .         .         .         .         .         .         .         .         .
12148 219.   O     .         .         .         .         .         .         .         .         .         .         .         .
12154 220.   O     .         .         .         .         .         .         .         .         .         .         .         .
12200 221. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.   O     .         .         .         .         .         .         .         .         .         .         .         .
12212 223.   O     .         .         .         .         .         .         .         .         .         .         .         .
12218 224.   O     .         .         .         .         .         .         .         .         .         .         .         .
12224 225.   O     .         .         .         .         .         .         .         .         .         .         .         .
12230 226.   O     .         .         .         .         .         .         .         .         .         .         .         .
12236 227.   O     .         .         .         .         .         .         .         .         .         .         .         .
12242 228.   O     .         .         .         .         .         .         .         .         .         .         .         .
12248 229.   O     .         .         .         .         .         .         .         .         .         .         .         .
12254 230.   O     .         .         .         .         .         .         .         .         .         .         .         .
12300 231. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.   O     .         .         .         .         .         .         .         .         .         .         .         .
12312 233.   O     .         .         .         .         .         .         .         .         .         .         .         .
12318 234.   O     .         .         .         .         .         .         .         .         .         .         .         .
12324 235.   O     .         .         .         .         .         .         .         .         .         .         .         .
12330 236.   O     .         .         .         .         .         .         .         .         .         .         .         .
12336 237.   O     .         .         .         .         .         .         .         .         .         .         .         .
12342 238.   O     .         .         .         .         .         .         .         .         .         .         .         .
12348 239.  O      .         .         .         .         .         .         .         .         .         .         .         .
12354 240.  O      .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--O------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB3
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .63

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	32.	1		1818	184	3.
1		0006	2	0.	1		0612	63	0.	1		1218	124	37.	1		1824	185	3.
1		0012	3	0.	1		0618	64	0.	1		1224	125	36.	1		1830	186	3.
1		0018	4	0.	1		0624	65	0.	1		1230	126	34.	1		1836	187	3.
1		0024	5	0.	1		0630	66	0.	1		1236	127	33.	1		1842	188	3.
1		0030	6	0.	1		0636	67	0.	1		1242	128	32.	1		1848	189	3.
1		0036	7	0.	1		0642	68	0.	1		1248	129	32.	1		1854	190	3.
1		0042	8	0.	1		0648	69	0.	1		1254	130	31.	1		1900	191	3.
1		0048	9	0.	1		0654	70	0.	1		1300	131	29.	1		1906	192	3.
1		0054	10	0.	1		0700	71	0.	1		1306	132	27.	1		1912	193	3.
1		0100	11	0.	1		0706	72	0.	1		1312	133	24.	1		1918	194	3.
1		0106	12	0.	1		0712	73	0.	1		1318	134	21.	1		1924	195	3.
1		0112	13	0.	1		0718	74	0.	1		1324	135	19.	1		1930	196	3.
1		0118	14	0.	1		0724	75	0.	1		1330	136	17.	1		1936	197	3.
1		0124	15	0.	1		0730	76	0.	1		1336	137	16.	1		1942	198	3.
1		0130	16	0.	1		0736	77	0.	1		1342	138	14.	1		1948	199	2.
1		0136	17	0.	1		0742	78	0.	1		1348	139	13.	1		1954	200	2.
1		0142	18	0.	1		0748	79	0.	1		1354	140	12.	1		2000	201	2.
1		0148	19	0.	1		0754	80	0.	1		1400	141	11.	1		2006	202	2.
1		0154	20	0.	1		0800	81	0.	1		1406	142	11.	1		2012	203	2.
1		0200	21	0.	1		0806	82	0.	1		1412	143	10.	1		2018	204	2.
1		0206	22	0.	1		0812	83	0.	1		1418	144	10.	1		2024	205	2.
1		0212	23	0.	1		0818	84	0.	1		1424	145	9.	1		2030	206	2.
1		0218	24	0.	1		0824	85	0.	1		1430	146	9.	1		2036	207	2.
1		0224	25	0.	1		0830	86	0.	1		1436	147	8.	1		2042	208	2.
1		0230	26	0.	1		0836	87	0.	1		1442	148	8.	1		2048	209	2.
1		0236	27	0.	1		0842	88	0.	1		1448	149	8.	1		2054	210	2.
1		0242	28	0.	1		0848	89	0.	1		1454	150	7.	1		2100	211	2.
1		0248	29	0.	1		0854	90	0.	1		1500	151	7.	1		2106	212	2.
1		0254	30	0.	1		0900	91	0.	1		1506	152	7.	1		2112	213	2.
1		0300	31	0.	1		0906	92	0.	1		1512	153	7.	1		2118	214	2.
1		0306	32	0.	1		0912	93	0.	1		1518	154	7.	1		2124	215	2.
1		0312	33	0.	1		0918	94	0.	1		1524	155	6.	1		2130	216	2.
1		0318	34	0.	1		0924	95	0.	1		1530	156	6.	1		2136	217	2.
1		0324	35	0.	1		0930	96	0.	1		1536	157	6.	1		2142	218	2.
1		0330	36	0.	1		0936	97	0.	1		1542	158	6.	1		2148	219	2.
1		0336	37	0.	1		0942	98	0.	1		1548	159	6.	1		2154	220	2.
1		0342	38	0.	1		0948	99	0.	1		1554	160	6.	1		2200	221	2.
1		0348	39	0.	1		0954	100	0.	1		1600	161	6.	1		2206	222	2.
1		0354	40	0.	1		1000	101	0.	1		1606	162	6.	1		2212	223	2.
1		0400	41	0.	1		1006	102	0.	1		1612	163	5.	1		2218	224	2.
1		0406	42	0.	1		1012	103	0.	1		1618	164	5.	1		2224	225	2.
1		0412	43	0.	1		1018	104	0.	1		1624	165	5.	1		2230	226	2.
1		0418	44	0.	1		1024	105	0.	1		1630	166	5.	1		2236	227	2.

1	0424	45	0.	*	1	1030	106	0.	*	1	1636	167	5.	*	1	2242	228	2.	
1	0430	46	0.	*	1	1036	107	0.	*	1	1642	168	5.	*	1	2248	229	2.	
1	0436	47	0.	*	1	1042	108	0.	*	1	1648	169	5.	*	1	2254	230	2.	
1	0442	48	0.	*	1	1048	109	1.	*	1	1654	170	5.	*	1	2300	231	2.	
1	0448	49	0.	*	1	1054	110	1.	*	1	1700	171	4.	*	1	2306	232	2.	
1	0454	50	0.	*	1	1100	111	1.	*	1	1706	172	4.	*	1	2312	233	2.	
1	0500	51	0.	*	1	1106	112	1.	*	1	1712	173	4.	*	1	2318	234	2.	
1	0506	52	0.	*	1	1112	113	1.	*	1	1718	174	4.	*	1	2324	235	2.	
1	0512	53	0.	*	1	1118	114	1.	*	1	1724	175	4.	*	1	2330	236	2.	
1	0518	54	0.	*	1	1124	115	2.	*	1	1730	176	4.	*	1	2336	237	2.	
1	0524	55	0.	*	1	1130	116	2.	*	1	1736	177	4.	*	1	2342	238	2.	
1	0530	56	0.	*	1	1136	117	2.	*	1	1742	178	3.	*	1	2348	239	2.	
1	0536	57	0.	*	1	1142	118	3.	*	1	1748	179	3.	*	1	2354	240	2.	
1	0542	58	0.	*	1	1148	119	5.	*	1	1754	180	3.	*	2	0000	241	2.	
1	0548	59	0.	*	1	1154	120	8.	*	1	1800	181	3.	*					
1	0554	60	0.	*	1	1200	121	14.	*	1	1806	182	3.	*					
1	0600	61	0.	*	1	1206	122	23.	*	1	1812	183	3.	*					

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   PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                         6-HR        24-HR       72-HR       24.00-HR
+   (CFS)         (HR)
                              (CFS)
+     37.         12.30                   12.          4.          4.           4.
                            (INCHES)    1.415       1.718       1.718        1.718
                            (AC-FT)        6.          8.          8.           8.

                            CUMULATIVE AREA =        .08 SQ MI

1                                                     STATION     COMB3

                              (O) OUTFLOW
          0.          4.          8.         12.         16.         20.         24.         28.         32.         36.         40.          0.          0.
DAHRMN PER
 10000  10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006  20         .         .         .         .         .         .         .         .         .         .         .         .
 10012  30         .         .         .         .         .         .         .         .         .         .         .         .
 10018  40         .         .         .         .         .         .         .         .         .         .         .         .
 10024  50         .         .         .         .         .         .         .         .         .         .         .         .
 10030  60         .         .         .         .         .         .         .         .         .         .         .         .
 10036  70         .         .         .         .         .         .         .         .         .         .         .         .
 10042  80         .         .         .         .         .         .         .         .         .         .         .         .
 10048  90         .         .         .         .         .         .         .         .         .         .         .         .
 10054 100         .         .         .         .         .         .         .         .         .         .         .         .
 10100 110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106 120         .         .         .         .         .         .         .         .         .         .         .         .
 10112 130         .         .         .         .         .         .         .         .         .         .         .         .
 10118 140         .         .         .         .         .         .         .         .         .         .         .         .
 10124 150         .         .         .         .         .         .         .         .         .         .         .         .
 10130 160         .         .         .         .         .         .         .         .         .         .         .         .
 10136 170         .         .         .         .         .         .         .         .         .         .         .         .
 10142 180         .         .         .         .         .         .         .         .         .         .         .         .
 10148 190         .         .         .         .         .         .         .         .         .         .         .         .
 10154 200         .         .         .         .         .         .         .         .         .         .         .         .
 10200 210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206 220         .         .         .         .         .         .         .         .         .         .         .         .
 10212 230         .         .         .         .         .         .         .         .         .         .         .         .
 10218 240         .         .         .         .         .         .         .         .         .         .         .         .
 10224 250         .         .         .         .         .         .         .         .         .         .         .         .
 10230 260         .         .         .         .         .         .         .         .         .         .         .         .
 10236 270         .         .         .         .         .         .         .         .         .         .         .         .
 10242 280         .         .         .         .         .         .         .         .         .         .         .         .
 10248 290         .         .         .         .         .         .         .         .         .         .         .         .
 10254 300         .         .         .         .         .         .         .         .         .         .         .         .
 10300 310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306 320         .         .         .         .         .         .         .         .         .         .         .         .
 10312 330         .         .         .         .         .         .         .         .         .         .         .         .
 10318 340         .         .         .         .         .         .         .         .         .         .         .         .
 10324 350         .         .         .         .         .         .         .         .         .         .         .         .
 10330 360         .         .         .         .         .         .         .         .         .         .         .         .
 10336 370         .         .         .         .         .         .         .         .         .         .         .         .
 10342 380         .         .         .         .         .         .         .         .         .         .         .         .
 10348 390         .         .         .         .         .         .         .         .         .         .         .         .
 10354 400         .         .         .         .         .         .         .         .         .         .         .         .
 10400 410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406 420         .         .         .         .         .         .         .         .         .         .         .         .
 10412 430         .         .         .         .         .         .         .         .         .         .         .         .
 10418 440         .         .         .         .         .         .         .         .         .         .         .         .
 10424 450         .         .         .         .         .         .         .         .         .         .         .         .
 10430 460         .         .         .         .         .         .         .         .         .         .         .         .
 10436 470         .         .         .         .         .         .         .         .         .         .         .         .
 10442 480         .         .         .         .         .         .         .         .         .         .         .         .
 10448 490         .         .         .         .         .         .         .         .         .         .         .         .
 10454 500         .         .         .         .         .         .         .         .         .         .         .         .
 10500 510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506 520         .         .         .         .         .         .         .         .         .         .         .         .
 10512 530         .         .         .         .         .         .         .         .         .         .         .         .
 10518 540         .         .         .         .         .         .         .         .         .         .         .         .
 10524 550         .         .         .         .         .         .         .         .         .         .         .         .
 10530 560         .         .         .         .         .         .         .         .         .         .         .         .
 10536 570         .         .         .         .         .         .         .         .         .         .         .         .
 10542 580         .         .         .         .         .         .         .         .         .         .         .         .
 10548 590         .         .         .         .         .         .         .         .         .         .         .         .
 10554 600         .         .         .         .         .         .         .         .         .         .         .         .
 10600 610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606 620         .         .         .         .         .         .         .         .         .         .         .         .
 10612 630         .         .         .         .         .         .         .         .         .         .         .         .
 10618 640         .         .         .         .         .         .         .         .         .         .         .         .
 10624 650         .         .         .         .         .         .         .         .         .         .         .         .
 10630 660         .         .         .         .         .         .         .         .         .         .         .         .
 10636 670         .         .         .         .         .         .         .         .         .         .         .         .
 10642 680         .         .         .         .         .         .         .         .         .         .         .         .
 10648 690         .         .         .         .         .         .         .         .         .         .         .         .
 10654 700         .         .         .         .         .         .         .         .         .         .         .         .
 10700 710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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10706  720         .         .         .         .         .         .         .         .         .         .         .         .
10712  730         .         .         .         .         .         .         .         .         .         .         .         .
10718  740         .         .         .         .         .         .         .         .         .         .         .         .
10724  750         .         .         .         .         .         .         .         .         .         .         .         .
10730  760         .         .         .         .         .         .         .         .         .         .         .         .
10736  770         .         .         .         .         .         .         .         .         .         .         .         .
10742  780         .         .         .         .         .         .         .         .         .         .         .         .
10748  790         .         .         .         .         .         .         .         .         .         .         .         .
10754  800         .         .         .         .         .         .         .         .         .         .         .         .
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  820         .         .         .         .         .         .         .         .         .         .         .         .
10812  830         .         .         .         .         .         .         .         .         .         .         .         .
10818  840         .         .         .         .         .         .         .         .         .         .         .         .
10824  850         .         .         .         .         .         .         .         .         .         .         .         .
10830  860         .         .         .         .         .         .         .         .         .         .         .         .
10836  870         .         .         .         .         .         .         .         .         .         .         .         .
10842  880         .         .         .         .         .         .         .         .         .         .         .         .
10848  890         .         .         .         .         .         .         .         .         .         .         .         .
10854  900         .         .         .         .         .         .         .         .         .         .         .         .
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  920         .         .         .         .         .         .         .         .         .         .         .         .
10912  930         .         .         .         .         .         .         .         .         .         .         .         .
10918  940         .         .         .         .         .         .         .         .         .         .         .         .
10924  950         .         .         .         .         .         .         .         .         .         .         .         .
10930  960         .         .         .         .         .         .         .         .         .         .         .         .
10936  970         .         .         .         .         .         .         .         .         .         .         .         .
10942  980         .         .         .         .         .         .         .         .         .         .         .         .
10948  990         .         .         .         .         .         .         .         .         .         .         .         .
10954 1000         .         .         .         .         .         .         .         .         .         .         .         .
11000 1010 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 1020         .         .         .         .         .         .         .         .         .         .         .         .
11012 1030         .         .         .         .         .         .         .         .         .         .         .         .
11018 1040         .         .         .         .         .         .         .         .         .         .         .         .
11024 105.o        .         .         .         .         .         .         .         .         .         .         .         .
11030 106.o        .         .         .         .         .         .         .         .         .         .         .         .
11036 107.o        .         .         .         .         .         .         .         .         .         .         .         .
11042 108.o        .         .         .         .         .         .         .         .         .         .         .         .
11048 109.o        .         .         .         .         .         .         .         .         .         .         .         .
11054 110. o       .         .         .         .         .         .         .         .         .         .         .         .
11100 111. o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112. o       .         .         .         .         .         .         .         .         .         .         .         .
11112 113.  o      .         .         .         .         .         .         .         .         .         .         .         .
11118 114.  o      .         .         .         .         .         .         .         .         .         .         .         .
11124 115.   o     .         .         .         .         .         .         .         .         .         .         .         .
11130 116.    o    .         .         .         .         .         .         .         .         .         .         .         .
11136 117.     o   .         .         .         .         .         .         .         .         .         .         .         .
11142 118.       o .         .         .         .         .         .         .         .         .         .         .         .
11148 119.         .o        .         .         .         .         .         .         .         .         .         .         .
11154 120.         .        o.         .         .         .         .         .         .         .         .         .         .
11200 121. . . . . . . . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         .         .         .         .         .        o.         .         .         .         .         .         .
11212 123.         .         .         .         .         .         .         .         .o        .         .         .         .
11218 124.         .         .         .         .         .         .         .         .         . o       .         .         .
11224 125.         .         .         .         .         .         .         .         .         .o        .         .         .
11230 126.         .         .         .         .         .         .         .         .      o  .         .         .         .
11236 127.         .         .         .         .         .         .         .         . o       .         .         .         .
11242 128.         .         .         .         .         .         .         .         .o        .         .         .         .
11248 129.         .         .         .         .         .         .         .         o         .         .         .         .
11254 130.         .         .         .         .         .         .         .       o .         .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .         .         .         .      o  .         .         .         .         .         .
11312 133.         .         .         .         .         .        o.         .         .         .         .         .         .
11318 134.         .         .         .         .         .   o     .         .         .         .         .         .         .
11324 135.         .         .         .         .       o .         .         .         .         .         .         .         .
11330 136.         .         .         .         .   o     .         .         .         .         .         .         .         .
11336 137.         .         .         .        o.         .         .         .         .         .         .         .         .
11342 138.         .         .         .      o  .         .         .         .         .         .         .         .         .
11348 139.         .         .         .   o     .         .         .         .         .         .         .         .         .
11354 140.         .         .         o         .         .         .         .         .         .         .         .         .
11400 141. . . . . . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .         .       o .         .         .         .         .         .         .         .         .         .
11412 143.         .         .     o   .         .         .         .         .         .         .         .         .         .
11418 144.         .         .    o    .         .         .         .         .         .         .         .         .         .
11424 145.         .         .   o     .         .         .         .         .         .         .         .         .         .
11430 146.         .         .  o      .         .         .         .         .         .         .         .         .         .
11436 147.         .         .o        .         .         .         .         .         .         .         .         .         .
11442 148.         .         o         .         .         .         .         .         .         .         .         .         .
11448 149.         .        o.         .         .         .         .         .         .         .         .         .         .
11454 150.         .        o.         .         .         .         .         .         .         .         .         .         .
11500 151. . . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.         .       o .         .         .         .         .         .         .         .         .         .         .
11512 153.         .      o  .         .         .         .         .         .         .         .         .         .         .
11518 154.         .      o  .         .         .         .         .         .         .         .         .         .         .
11524 155.         .     o   .         .         .         .         .         .         .         .         .         .         .
11530 156.         .     o   .         .         .         .         .         .         .         .         .         .         .
11536 157.         .    o    .         .         .         .         .         .         .         .         .         .         .
11542 158.         .    o    .         .         .         .         .         .         .         .         .         .         .
11548 159.         .    o    .         .         .         .         .         .         .         .         .         .         .
11554 160.         .    o    .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.         .   o     .         .         .         .         .         .         .         .         .         .         .
11612 163.         .   o     .         .         .         .         .         .         .         .         .         .         .
11618 164.         .   o     .         .         .         .         .         .         .         .         .         .         .
11624 165.         .  o      .         .         .         .         .         .         .         .         .         .         .
11630 166.         .  o      .         .         .         .         .         .         .         .         .         .         .
11636 167.         .  o      .         .         .         .         .         .         .         .         .         .         .
11642 168.         . o       .         .         .         .         .         .         .         .         .         .         .
11648 169.         . o       .         .         .         .         .         .         .         .         .         .         .
11654 170.         . o       .         .         .         .         .         .         .         .         .         .         .
11700 171. . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.         .o        .         .         .         .         .         .         .         .         .         .         .
11712 173.         o         .         .         .         .         .         .         .         .         .         .         .
11718 174.         o         .         .         .         .         .         .         .         .         .         .         .
11724 175.         o         .         .         .         .         .         .         .         .         .         .         .
11730 176.        o.         .         .         .         .         .         .         .         .         .         .         .
11736 177.        o.         .         .         .         .         .         .         .         .         .         .         .
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11742 178.        O .
11748 179.        O .
11754 180.        O .
11800 181. . . .  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.        O .
11812 183.        O .
11818 184.       O  .
11824 185.       O  .
11830 186.       O  .
11836 187.       O  .
11842 188.       O  .
11848 189.       O  .
11854 190.       O  .
11900 191. . . . O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.       O  .
11912 193.      O   .
11918 194.      O   .
11924 195.      O   .
11930 196.      O   .
11936 197.      O   .
11942 198.      O   .
11948 199.      O   .
11954 200.      O   .
12000 201. . .  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.      O   .
12012 203.      O   .
12018 204.      O   .
12024 205.      O   .
12030 206.      O   .
12036 207.      O   .
12042 208.      O   .
12048 209.      O   .
12054 210.     O    .
12100 211. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.     O    .
12112 213.      O   .
12118 214.      O   .
12124 215.     O    .
12130 216.     O    .
12136 217.     O    .
12142 218.     O    .
12148 219.     O    .
12154 220.     O    .
12200 221. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.     O    .
12212 223.     O    .
12218 224.     O    .
12224 225.     O    .
12230 226.     O    .
12236 227.     O    .
12242 228.     O    .
12248 229.     O    .
12254 230.     O    .
12300 231. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.     O    .
12312 233.     O    .
12318 234.     O    .
12324 235.     O    .
12330 236.     O    .
12336 237.     O    .
12342 238.     O    .
12348 239.    O     .
12354 240.    O     .
20000 241.---O-----.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB3
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .76

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	*	1		0606	62	0.	*	1		1212	123	49.	*	1		1818	184	4.
1		0006	2	0.	*	1		0612	63	0.	*	1		1218	124	55.	*	1		1824	185	4.
1		0012	3	0.	*	1		0618	64	0.	*	1		1224	125	54.	*	1		1830	186	4.
1		0018	4	0.	*	1		0624	65	0.	*	1		1230	126	51.	*	1		1836	187	4.
1		0024	5	0.	*	1		0630	66	0.	*	1		1236	127	49.	*	1		1842	188	4.
1		0030	6	0.	*	1		0636	67	0.	*	1		1242	128	49.	*	1		1848	189	4.
1		0036	7	0.	*	1		0642	68	0.	*	1		1248	129	48.	*	1		1854	190	4.
1		0042	8	0.	*	1		0648	69	0.	*	1		1254	130	46.	*	1		1900	191	4.
1		0048	9	0.	*	1		0654	70	0.	*	1		1300	131	43.	*	1		1906	192	4.
1		0054	10	0.	*	1		0700	71	0.	*	1		1306	132	39.	*	1		1912	193	3.
1		0100	11	0.	*	1		0706	72	0.	*	1		1312	133	35.	*	1		1918	194	3.
1		0106	12	0.	*	1		0712	73	0.	*	1		1318	134	31.	*	1		1924	195	3.
1		0112	13	0.	*	1		0718	74	0.	*	1		1324	135	27.	*	1		1930	196	3.
1		0118	14	0.	*	1		0724	75	0.	*	1		1330	136	25.	*	1		1936	197	3.
1		0124	15	0.	*	1		0730	76	0.	*	1		1336	137	22.	*	1		1942	198	3.
1		0130	16	0.	*	1		0736	77	0.	*	1		1342	138	20.	*	1		1948	199	3.
1		0136	17	0.	*	1		0742	78	0.	*	1		1348	139	18.	*	1		1954	200	3.
1		0142	18	0.	*	1		0748	79	0.	*	1		1354	140	17.	*	1		2000	201	3.
1		0148	19	0.	*	1		0754	80	0.	*	1		1400	141	16.	*	1		2006	202	3.
1		0154	20	0.	*	1		0800	81	0.	*	1		1406	142	15.	*	1		2012	203	3.
1		0200	21	0.	*	1		0806	82	0.	*	1		1412	143	14.	*	1		2018	204	3.
1		0206	22	0.	*	1		0812	83	0.	*	1		1418	144	13.	*	1		2024	205	3.
1		0212	23	0.	*	1		0818	84	0.	*	1		1424	145	13.	*	1		2030	206	3.
1		0218	24	0.	*	1		0824	85	0.	*	1		1430	146	12.	*	1		2036	207	3.
1		0224	25	0.	*	1		0830	86	0.	*	1		1436	147	12.	*	1		2042	208	3.
1		0230	26	0.	*	1		0836	87	0.	*	1		1442	148	11.	*	1		2048	209	3.
1		0236	27	0.	*	1		0842	88	0.	*	1		1448	149	11.	*	1		2054	210	3.
1		0242	28	0.	*	1		0848	89	0.	*	1		1454	150	10.	*	1		2100	211	3.
1		0248	29	0.	*	1		0854	90	0.	*	1		1500	151	10.	*	1		2106	212	3.
1		0254	30	0.	*	1		0900	91	0.	*	1		1506	152	10.	*	1		2112	213	3.

1	0300	31	0.	*	1	0906	92	0.	*	1	1512	153	9.	*	1	2118	214	3.	
1	0306	32	0.	*	1	0912	93	0.	*	1	1518	154	9.	*	1	2124	215	3.	
1	0312	33	0.	*	1	0918	94	0.	*	1	1524	155	9.	*	1	2130	216	3.	
1	0318	34	0.	*	1	0924	95	0.	*	1	1530	156	9.	*	1	2136	217	3.	
1	0324	35	0.	*	1	0930	96	0.	*	1	1536	157	8.	*	1	2142	218	3.	
1	0330	36	0.	*	1	0936	97	0.	*	1	1542	158	8.	*	1	2148	219	3.	
1	0336	37	0.	*	1	0942	98	0.	*	1	1548	159	8.	*	1	2154	220	3.	
1	0342	38	0.	*	1	0948	99	0.	*	1	1554	160	8.	*	1	2200	221	3.	
1	0348	39	0.	*	1	0954	100	0.	*	1	1600	161	8.	*	1	2206	222	3.	
1	0354	40	0.	*	1	1000	101	0.	*	1	1606	162	8.	*	1	2212	223	3.	
1	0400	41	0.	*	1	1006	102	1.	*	1	1612	163	7.	*	1	2218	224	3.	
1	0406	42	0.	*	1	1012	103	1.	*	1	1618	164	7.	*	1	2224	225	3.	
1	0412	43	0.	*	1	1018	104	1.	*	1	1624	165	7.	*	1	2230	226	3.	
1	0418	44	0.	*	1	1024	105	1.	*	1	1630	166	7.	*	1	2236	227	3.	
1	0424	45	0.	*	1	1030	106	1.	*	1	1636	167	7.	*	1	2242	228	3.	
1	0430	46	0.	*	1	1036	107	1.	*	1	1642	168	7.	*	1	2248	229	3.	
1	0436	47	0.	*	1	1042	108	1.	*	1	1648	169	7.	*	1	2254	230	3.	
1	0442	48	0.	*	1	1048	109	1.	*	1	1654	170	6.	*	1	2300	231	2.	
1	0448	49	0.	*	1	1054	110	2.	*	1	1700	171	6.	*	1	2306	232	2.	
1	0454	50	0.	*	1	1100	111	2.	*	1	1706	172	6.	*	1	2312	233	2.	
1	0500	51	0.	*	1	1106	112	2.	*	1	1712	173	5.	*	1	2318	234	2.	
1	0506	52	0.	*	1	1112	113	3.	*	1	1718	174	5.	*	1	2324	235	2.	
1	0512	53	0.	*	1	1118	114	3.	*	1	1724	175	5.	*	1	2330	236	2.	
1	0518	54	0.	*	1	1124	115	4.	*	1	1730	176	5.	*	1	2336	237	2.	
1	0524	55	0.	*	1	1130	116	4.	*	1	1736	177	5.	*	1	2342	238	2.	
1	0530	56	0.	*	1	1136	117	5.	*	1	1742	178	5.	*	1	2348	239	2.	
1	0536	57	0.	*	1	1142	118	6.	*	1	1748	179	4.	*	1	2354	240	2.	
1	0542	58	0.	*	1	1148	119	9.	*	1	1754	180	4.	*	2	0000	241	2.	
1	0548	59	0.	*	1	1154	120	13.	*	1	1800	181	4.	*					
1	0554	60	0.	*	1	1200	121	23.	*	1	1806	182	4.	*					
1	0600	61	0.	*	1	1206	122	36.	*	1	1812	183	4.	*					

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 PEAK FLOW      TIME                              MAXIMUM AVERAGE FLOW
                                         6-HR        24-HR        72-HR      24.00-HR
+  (CFS)        (HR)
                            (CFS)
+    55.       12.30                      18.          6.           6.           6.
                          (INCHES)      2.059        2.498        2.498        2.498
                          (AC-FT)          9.          11.          11.          11.

                          CUMULATIVE AREA =      .08 SQ MI

1                                                   STATION     COMB3

                               (O) OUTFLOW
          0.         5.         10.        15.        20.        25.        30.        35.        40.        45.        50.        55.        0.
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20
 10012   30
 10018   40
 10024   50
 10030   60
 10036   70
 10042   80
 10048   90
 10054  100
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120
 10112  130
 10118  140
 10124  150
 10130  160
 10136  170
 10142  180
 10148  190
 10154  200
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220
 10212  230
 10218  240
 10224  250
 10230  260
 10236  270
 10242  280
 10248  290
 10254  300
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320
 10312  330
 10318  340
 10324  350
 10330  360
 10336  370
 10342  380
 10348  390
 10354  400
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420
 10412  430
 10418  440
 10424  450
 10430  460
 10436  470
 10442  480
 10448  490
 10454  500
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506  520
 10512  530
 10518  540
 10524  550
 10530  560
 10536  570
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10542  580
10548  590
10554  600
10600  610
10606  620
10612  630
10618  640
10624  650
10630  660
10636  670
10642  680
10648  690
10654  700
10700  710
10706  720
10712  730
10718  740
10724  750
10730  760
10736  770
10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  850
10830  860
10836  870
10842  880
10848  890
10854  900
10900  910
10906  920
10912  930
10918  940
10924  950
10930  960
10936  970
10942  98.
10948  99.
10954 100.
11000 101.
11006 102.
11012 103.
11018 104.
11024 105.
11030 106.
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
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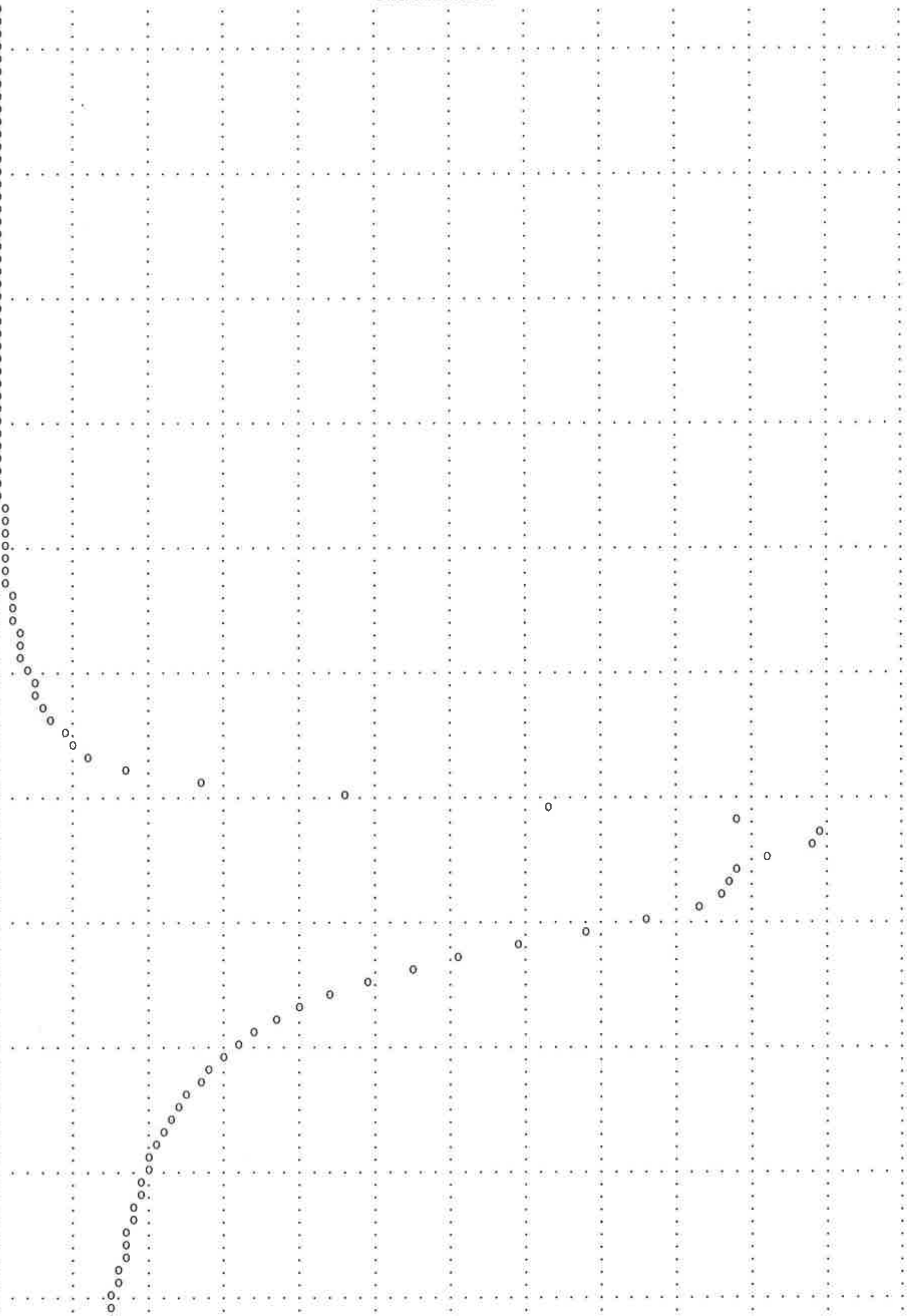

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11618 164.         .    O    .         .         .         .         .         .         .         .         .         .         .
11624 165.         .    O    .         .         .         .         .         .         .         .         .         .         .
11630 166.         .   O     .         .         .         .         .         .         .         .         .         .         .
11636 167.         .   O     .         .         .         .         .         .         .         .         .         .         .
11642 168.         .   O     .         .         .         .         .         .         .         .         .         .         .
11648 169.         .  O      .         .         .         .         .         .         .         .         .         .         .
11654 170.         .  O      .         .         .         .         .         .         .         .         .         .         .
11700 171. . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.         .O        .         .         .         .         .         .         .         .         .         .         .
11712 173.         .O        .         .         .         .         .         .         .         .         .         .         .
11718 174.         .O        .         .         .         .         .         .         .         .         .         .         .
11724 175.         .O        .         .         .         .         .         .         .         .         .         .         .
11730 176.         O         .         .         .         .         .         .         .         .         .         .         .
11736 177.         O         .         .         .         .         .         .         .         .         .         .         .
11742 178.        O.         .         .         .         .         .         .         .         .         .         .         .
11748 179.        O.         .         .         .         .         .         .         .         .         .         .         .
11754 180.        O.         .         .         .         .         .         .         .         .         .         .         .
11800 181. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.       O .         .         .         .         .         .         .         .         .         .         .         .
11812 183.       O .         .         .         .         .         .         .         .         .         .         .         .
11818 184.       O .         .         .         .         .         .         .         .         .         .         .         .
11824 185.       O .         .         .         .         .         .         .         .         .         .         .         .
11830 186.       O .         .         .         .         .         .         .         .         .         .         .         .
11836 187.       O .         .         .         .         .         .         .         .         .         .         .         .
11842 188.      O  .         .         .         .         .         .         .         .         .         .         .         .
11848 189.      O  .         .         .         .         .         .         .         .         .         .         .         .
11854 190.      O  .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.      O  .         .         .         .         .         .         .         .         .         .         .         .
11912 193.      O  .         .         .         .         .         .         .         .         .         .         .         .
11918 194.      O  .         .         .         .         .         .         .         .         .         .         .         .
11924 195.      O  .         .         .         .         .         .         .         .         .         .         .         .
11930 196.      O  .         .         .         .         .         .         .         .         .         .         .         .
11936 197.      O  .         .         .         .         .         .         .         .         .         .         .         .
11942 198.      O  .         .         .         .         .         .         .         .         .         .         .         .
11948 199.      O  .         .         .         .         .         .         .         .         .         .         .         .
11954 200.      O  .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.     O   .         .         .         .         .         .         .         .         .         .         .         .
12012 203.     O   .         .         .         .         .         .         .         .         .         .         .         .
12018 204.     O   .         .         .         .         .         .         .         .         .         .         .         .
12024 205.     O   .         .         .         .         .         .         .         .         .         .         .         .
12030 206.     O   .         .         .         .         .         .         .         .         .         .         .         .
12036 207.     O   .         .         .         .         .         .         .         .         .         .         .         .
12042 208.     O   .         .         .         .         .         .         .         .         .         .         .         .
12048 209.     O   .         .         .         .         .         .         .         .         .         .         .         .
12054 210.     O   .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.     O   .         .         .         .         .         .         .         .         .         .         .         .
12112 213.     O   .         .         .         .         .         .         .         .         .         .         .         .
12118 214.     O   .         .         .         .         .         .         .         .         .         .         .         .
12124 215.     O   .         .         .         .         .         .         .         .         .         .         .         .
12130 216.     O   .         .         .         .         .         .         .         .         .         .         .         .
12136 217.    O    .         .         .         .         .         .         .         .         .         .         .         .
12142 218.    O    .         .         .         .         .         .         .         .         .         .         .         .
12148 219.    O    .         .         .         .         .         .         .         .         .         .         .         .
12154 220.    O    .         .         .         .         .         .         .         .         .         .         .         .
12200 221. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.     O   .         .         .         .         .         .         .         .         .         .         .         .
12212 223.     O   .         .         .         .         .         .         .         .         .         .         .         .
12218 224.    O    .         .         .         .         .         .         .         .         .         .         .         .
12224 225.    O    .         .         .         .         .         .         .         .         .         .         .         .
12230 226.    O    .         .         .         .         .         .         .         .         .         .         .         .
12236 227.    O    .         .         .         .         .         .         .         .         .         .         .         .
12242 228.    O    .         .         .         .         .         .         .         .         .         .         .         .
12248 229.    O    .         .         .         .         .         .         .         .         .         .         .         .
12254 230.    O    .         .         .         .         .         .         .         .         .         .         .         .
12300 231. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.    O    .         .         .         .         .         .         .         .         .         .         .         .
12312 233.    O    .         .         .         .         .         .         .         .         .         .         .         .
12318 234.    O    .         .         .         .         .         .         .         .         .         .         .         .
12324 235.    O    .         .         .         .         .         .         .         .         .         .         .         .
12330 236.    O    .         .         .         .         .         .         .         .         .         .         .         .
12336 237.    O    .         .         .         .         .         .         .         .         .         .         .         .
12342 238.    O    .         .         .         .         .         .         .         .         .         .         .         .
12348 239.    O    .         .         .         .         .         .         .         .         .         .         .         .
12354 240.   O     .         .         .         .         .         .         .         .         .         .         .         .
20000 241.---O-----.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB3
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .88

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	63.	1		1818	184	5.
1		0006	2	0.	1		0612	63	0.	1		1218	124	70.	1		1824	185	5.
1		0012	3	0.	1		0618	64	0.	1		1224	125	69.	1		1830	186	5.
1		0018	4	0.	1		0624	65	0.	1		1230	126	66.	1		1836	187	5.
1		0024	5	0.	1		0630	66	0.	1		1236	127	63.	1		1842	188	5.
1		0030	6	0.	1		0636	67	0.	1		1242	128	63.	1		1848	189	5.
1		0036	7	0.	1		0642	68	0.	1		1248	129	62.	1		1854	190	4.
1		0042	8	0.	1		0648	69	0.	1		1254	130	59.	1		1900	191	4.
1		0048	9	0.	1		0654	70	0.	1		1300	131	55.	1		1906	192	4.
1		0054	10	0.	1		0700	71	0.	1		1306	132	50.	1		1912	193	4.
1		0100	11	0.	1		0706	72	0.	1		1312	133	44.	1		1918	194	4.
1		0106	12	0.	1		0712	73	0.	1		1318	134	39.	1		1924	195	4.
1		0112	13	0.	1		0718	74	0.	1		1324	135	34.	1		1930	196	4.
1		0118	14	0.	1		0724	75	0.	1		1330	136	31.	1		1936	197	4.
1		0124	15	0.	1		0730	76	0.	1		1336	137	28.	1		1942	198	4.
1		0130	16	0.	1		0736	77	0.	1		1342	138	25.	1		1948	199	4.

1	0136	17	0.	*	1	0742	78	0.	*	1	1348	139	23.	*	1	1954	200	4.	
1	0142	18	0.	*	1	0748	79	0.	*	1	1354	140	21.	*	1	2000	201	4.	
1	0148	19	0.	*	1	0754	80	0.	*	1	1400	141	20.	*	1	2006	202	4.	
1	0154	20	0.	*	1	0800	81	0.	*	1	1406	142	18.	*	1	2012	203	4.	
1	0200	21	0.	*	1	0806	82	0.	*	1	1412	143	17.	*	1	2018	204	4.	
1	0206	22	0.	*	1	0812	83	0.	*	1	1418	144	17.	*	1	2024	205	4.	
1	0212	23	0.	*	1	0818	84	0.	*	1	1424	145	16.	*	1	2030	206	4.	
1	0218	24	0.	*	1	0824	85	0.	*	1	1430	146	15.	*	1	2036	207	4.	
1	0224	25	0.	*	1	0830	86	0.	*	1	1436	147	14.	*	1	2042	208	4.	
1	0230	26	0.	*	1	0836	87	0.	*	1	1442	148	14.	*	1	2048	209	4.	
1	0236	27	0.	*	1	0842	88	0.	*	1	1448	149	13.	*	1	2054	210	4.	
1	0242	28	0.	*	1	0848	89	0.	*	1	1454	150	13.	*	1	2100	211	3.	
1	0248	29	0.	*	1	0854	90	0.	*	1	1500	151	12.	*	1	2106	212	4.	
1	0254	30	0.	*	1	0900	91	0.	*	1	1506	152	12.	*	1	2112	213	4.	
1	0300	31	0.	*	1	0906	92	0.	*	1	1512	153	12.	*	1	2118	214	4.	
1	0306	32	0.	*	1	0912	93	0.	*	1	1518	154	11.	*	1	2124	215	3.	
1	0312	33	0.	*	1	0918	94	0.	*	1	1524	155	11.	*	1	2130	216	3.	
1	0318	34	0.	*	1	0924	95	0.	*	1	1530	156	11.	*	1	2136	217	3.	
1	0324	35	0.	*	1	0930	96	1.	*	1	1536	157	10.	*	1	2142	218	3.	
1	0330	36	0.	*	1	0936	97	1.	*	1	1542	158	10.	*	1	2148	219	3.	
1	0336	37	0.	*	1	0942	98	1.	*	1	1548	159	10.	*	1	2154	220	3.	
1	0342	38	0.	*	1	0948	99	1.	*	1	1554	160	10.	*	1	2200	221	3.	
1	0348	39	0.	*	1	0954	100	1.	*	1	1600	161	9.	*	1	2206	222	3.	
1	0354	40	0.	*	1	1000	101	1.	*	1	1606	162	9.	*	1	2212	223	3.	
1	0400	41	0.	*	1	1006	102	1.	*	1	1612	163	9.	*	1	2218	224	3.	
1	0406	42	0.	*	1	1012	103	1.	*	1	1618	164	9.	*	1	2224	225	3.	
1	0412	43	0.	*	1	1018	104	1.	*	1	1624	165	9.	*	1	2230	226	3.	
1	0418	44	0.	*	1	1024	105	2.	*	1	1630	166	9.	*	1	2236	227	3.	
1	0424	45	0.	*	1	1030	106	2.	*	1	1636	167	8.	*	1	2242	228	3.	
1	0430	46	0.	*	1	1036	107	2.	*	1	1642	168	8.	*	1	2248	229	3.	
1	0436	47	0.	*	1	1042	108	2.	*	1	1648	169	8.	*	1	2254	230	3.	
1	0442	48	0.	*	1	1048	109	3.	*	1	1654	170	8.	*	1	2300	231	3.	
1	0448	49	0.	*	1	1054	110	3.	*	1	1700	171	7.	*	1	2306	232	3.	
1	0454	50	0.	*	1	1100	111	4.	*	1	1706	172	7.	*	1	2312	233	3.	
1	0500	51	0.	*	1	1106	112	4.	*	1	1712	173	7.	*	1	2318	234	3.	
1	0506	52	0.	*	1	1112	113	4.	*	1	1718	174	7.	*	1	2324	235	3.	
1	0512	53	0.	*	1	1118	114	5.	*	1	1724	175	6.	*	1	2330	236	3.	
1	0518	54	0.	*	1	1124	115	6.	*	1	1730	176	6.	*	1	2336	237	3.	
1	0524	55	0.	*	1	1130	116	7.	*	1	1736	177	6.	*	1	2342	238	3.	
1	0530	56	0.	*	1	1136	117	8.	*	1	1742	178	6.	*	1	2348	239	3.	
1	0536	57	0.	*	1	1142	118	9.	*	1	1748	179	5.	*	1	2354	240	3.	
1	0542	58	0.	*	1	1148	119	12.	*	1	1754	180	5.	*	2	0000	241	3.	
1	0548	59	0.	*	1	1154	120	19.	*	1	1800	181	5.	*					
1	0554	60	0.	*	1	1200	121	31.	*	1	1806	182	5.	*					
1	0600	61	0.	*	1	1206	122	48.	*	1	1812	183	5.	*					

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  PEAK FLOW      TIME                         MAXIMUM AVERAGE FLOW
                                         6-HR       24-HR       72-HR      24.00-HR
+   (CFS)        (HR)
                               (CFS)
+      70.      12.30                     23.          7.          7.           7.
                              (INCHES)   2.617       3.182       3.182        3.182
                              (AC-FT)      11.         14.         14.          14.

                              CUMULATIVE AREA =      .08 SQ MI

1                                                        STATION     COMB3

                          (O) OUTFLOW
              0.        10.        20.        30.        40.        50.        60.        70.        80.        0.        0.        0.        0.
 DAHRMN PER
  10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
  10006   20         .         .         .         .         .         .         .         .         .         .         .         .
  10012   30         .         .         .         .         .         .         .         .         .         .         .         .
  10018   40         .         .         .         .         .         .         .         .         .         .         .         .
  10024   50         .         .         .         .         .         .         .         .         .         .         .         .
  10030   60         .         .         .         .         .         .         .         .         .         .         .         .
  10036   70         .         .         .         .         .         .         .         .         .         .         .         .
  10042   80         .         .         .         .         .         .         .         .         .         .         .         .
  10048   90         .         .         .         .         .         .         .         .         .         .         .         .
  10054  100         .         .         .         .         .         .         .         .         .         .         .         .
  10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10106  120         .         .         .         .         .         .         .         .         .         .         .         .
  10112  130         .         .         .         .         .         .         .         .         .         .         .         .
  10118  140         .         .         .         .         .         .         .         .         .         .         .         .
  10124  150         .         .         .         .         .         .         .         .         .         .         .         .
  10130  160         .         .         .         .         .         .         .         .         .         .         .         .
  10136  170         .         .         .         .         .         .         .         .         .         .         .         .
  10142  180         .         .         .         .         .         .         .         .         .         .         .         .
  10148  190         .         .         .         .         .         .         .         .         .         .         .         .
  10154  200         .         .         .         .         .         .         .         .         .         .         .         .
  10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10206  220         .         .         .         .         .         .         .         .         .         .         .         .
  10212  230         .         .         .         .         .         .         .         .         .         .         .         .
  10218  240         .         .         .         .         .         .         .         .         .         .         .         .
  10224  250         .         .         .         .         .         .         .         .         .         .         .         .
  10230  260         .         .         .         .         .         .         .         .         .         .         .         .
  10236  270         .         .         .         .         .         .         .         .         .         .         .         .
  10242  280         .         .         .         .         .         .         .         .         .         .         .         .
  10248  290         .         .         .         .         .         .         .         .         .         .         .         .
  10254  300         .         .         .         .         .         .         .         .         .         .         .         .
  10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10306  320         .         .         .         .         .         .         .         .         .         .         .         .
  10312  330         .         .         .         .         .         .         .         .         .         .         .         .
  10318  340         .         .         .         .         .         .         .         .         .         .         .         .
  10324  350         .         .         .         .         .         .         .         .         .         .         .         .
  10330  360         .         .         .         .         .         .         .         .         .         .         .         .
  10336  370         .         .         .         .         .         .         .         .         .         .         .         .
  10342  380         .         .         .         .         .         .         .         .         .         .         .         .
  10348  390         .         .         .         .         .         .         .         .         .         .         .         .
  10354  400         .         .         .         .         .         .         .         .         .         .         .         .
  10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10406  420         .         .         .         .         .         .         .         .         .         .         .         .
  10412  430         .         .         .         .         .         .         .         .         .         .         .         .
```

```
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .         .
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .         .
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .         .
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .         .
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .         .
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .         .
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  620         .         .         .         .         .         .         .         .         .         .         .         .
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .         .
10624  650         .         .         .         .         .         .         .         .         .         .         .         .
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .         .
10642  680         .         .         .         .         .         .         .         .         .         .         .         .
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .         .
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10706  720         .         .         .         .         .         .         .         .         .         .         .         .
10712  730         .         .         .         .         .         .         .         .         .         .         .         .
10718  740         .         .         .         .         .         .         .         .         .         .         .         .
10724  750         .         .         .         .         .         .         .         .         .         .         .         .
10730  760         .         .         .         .         .         .         .         .         .         .         .         .
10736  770         .         .         .         .         .         .         .         .         .         .         .         .
10742  780         .         .         .         .         .         .         .         .         .         .         .         .
10748  790         .         .         .         .         .         .         .         .         .         .         .         .
10754  800         .         .         .         .         .         .         .         .         .         .         .         .
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  820         .         .         .         .         .         .         .         .         .         .         .         .
10812  830         .         .         .         .         .         .         .         .         .         .         .         .
10818  840         .         .         .         .         .         .         .         .         .         .         .         .
10824  850         .         .         .         .         .         .         .         .         .         .         .         .
10830  860         .         .         .         .         .         .         .         .         .         .         .         .
10836  870         .         .         .         .         .         .         .         .         .         .         .         .
10842  880         .         .         .         .         .         .         .         .         .         .         .         .
10848  890         .         .         .         .         .         .         .         .         .         .         .         .
10854  900         .         .         .         .         .         .         .         .         .         .         .         .
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  920         .         .         .         .         .         .         .         .         .         .         .         .
10912  930         .         .         .         .         .         .         .         .         .         .         .         .
10918  940         .         .         .         .         .         .         .         .         .         .         .         .
10924  950         .         .         .         .         .         .         .         .         .         .         .         .
10930  96.o        .         .         .         .         .         .         .         .         .         .         .         .
10936  97.o        .         .         .         .         .         .         .         .         .         .         .         .
10942  98.o        .         .         .         .         .         .         .         .         .         .         .         .
10948  99.o        .         .         .         .         .         .         .         .         .         .         .         .
10954 100.o        .         .         .         .         .         .         .         .         .         .         .         .
11000 101.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 102.o        .         .         .         .         .         .         .         .         .         .         .         .
11012 103.o        .         .         .         .         .         .         .         .         .         .         .         .
11018 104.o        .         .         .         .         .         .         .         .         .         .         .         .
11024 105. o       .         .         .         .         .         .         .         .         .         .         .         .
11030 106. o       .         .         .         .         .         .         .         .         .         .         .         .
11036 107. o       .         .         .         .         .         .         .         .         .         .         .         .
11042 108. o       .         .         .         .         .         .         .         .         .         .         .         .
11048 109.  o      .         .         .         .         .         .         .         .         .         .         .         .
11054 110.  o      .         .         .         .         .         .         .         .         .         .         .         .
11100 111. . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112.   o     .         .         .         .         .         .         .         .         .         .         .         .
11112 113.   o     .         .         .         .         .         .         .         .         .         .         .         .
11118 114.    o    .         .         .         .         .         .         .         .         .         .         .         .
11124 115.     o   .         .         .         .         .         .         .         .         .         .         .         .
11130 116.      o  .         .         .         .         .         .         .         .         .         .         .         .
11136 117.       o .         .         .         .         .         .         .         .         .         .         .         .
11142 118.        o.         .         .         .         .         .         .         .         .         .         .         .
11148 119.         . o       .         .         .         .         .         .         .         .         .         .         .
11154 120.         .        o.         .         .         .         .         .         .         .         .         .         .
11200 121. . . . . . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         .         .         .         .       o .         .         .         .         .         .         .         .
11212 123.         .         .         .         .         .         .  o      .         .         .         .         .         .
11218 124.         .         .         .         .         .         .         o         .         .         .         .         .
11224 125.         .         .         .         .         .         .        o.         .         .         .         .         .
11230 126.         .         .         .         .         .         .     o   .         .         .         .         .         .
11236 127.         .         .         .         .         .         .  o      .         .         .         .         .         .
11242 128.         .         .         .         .         .         .  o      .         .         .         .         .         .
11248 129.         .         .         .         .         .         . o       .         .         .         .         .         .
11254 130.         .         .         .         .         .        o.         .         .         .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .         .         o         .         .         .         .         .         .         .
11312 133.         .         .         .         .   o     .         .         .         .         .         .         .         .
11318 134.         .         .         .        o.         .         .         .         .         .         .         .         .
11324 135.         .         .         .   o     .         .         .         .         .         .         .         .         .
11330 136.         .         .         .o        .         .         .         .         .         .         .         .         .
11336 137.         .         .       o .         .         .         .         .         .         .         .         .         .
11342 138.         .         .    o    .         .         .         .         .         .         .         .         .         .
11348 139.         .         .  o      .         .         .         .         .         .         .         .         .         .
11354 140.         .         .o        .         .         .         .         .         .         .         .         .         .
11400 141. . . . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .       o .         .         .         .         .         .         .         .         .         .         .
11412 143.         .      o  .         .         .         .         .         .         .         .         .         .         .
11418 144.         .      o  .         .         .         .         .         .         .         .         .         .         .
11424 145.         .     o   .         .         .         .         .         .         .         .         .         .         .
11430 146.         .    o    .         .         .         .         .         .         .         .         .         .         .
11436 147.         .   o     .         .         .         .         .         .         .         .         .         .         .
11442 148.         .   o     .         .         .         .         .         .         .         .         .         .         .
11448 149.         .  o      .         .         .         .         .         .         .         .         .         .         .
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11454 150.          .  O
11500 151.          . O
11506 152.          . O
11512 153.          . O
11518 154.          .O
11524 155.          .O
11530 156.          .O
11536 157.          O
11542 158.          O
11548 159.          O
11554 160.          O
11600 161.         O.
11606 162.         O.
11612 163.         O.
11618 164.         O.
11624 165.         O.
11630 166.         O.
11636 167.        O .
11642 168.        O .
11648 169.        O .
11654 170.        O .
11700 171.       O  .
11706 172.       O  .
11712 173.       O  .
11718 174.       O  .
11724 175.      O   .
11730 176.      O   .
11736 177.      O   .
11742 178.      O   .
11748 179.     O    .
11754 180.     O    .
11800 181.     O    .
11806 182.     O    .
11812 183.     O    .
11818 184.     O    .
11824 185.     O    .
11830 186.     O    .
11836 187.     O    .
11842 188.     O    .
11848 189.     O    .
11854 190.    O     .
11900 191.    O     .
11906 192.    O     .
11912 193.    O     .
11918 194.    O     .
11924 195.    O     .
11930 196.    O     .
11936 197.    O     .
11942 198.    O     .
11948 199.    O     .
11954 200.    O     .
12000 201.    O     .
12006 202.    O     .
12012 203.    O     .
12018 204.    O     .
12024 205.    O     .
12030 206.    O     .
12036 207.    O     .
12042 208.    O     .
12048 209.    O     .
12054 210.    O     .
12100 211.   O      .
12106 212.    O     .
12112 213.    O     .
12118 214.    O     .
12124 215.   O      .
12130 216.   O      .
12136 217.   O      .
12142 218.   O      .
12148 219.   O      .
12154 220.   O      .
12200 221.   O      .
12206 222.   O      .
12212 223.   O      .
12218 224.   O      .
12224 225.   O      .
12230 226.   O      .
12236 227.   O      .
12242 228.   O      .
12248 229.   O      .
12254 230.   O      .
12300 231.   O      .
12306 232.   O      .
12312 233.   O      .
12318 234.   O      .
12324 235.   O      .
12330 236.   O      .
12336 237.   O      .
12342 238.   O      .
12348 239.   O      .
12354 240.   O      .
20000 241.--O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB3
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = 1.00

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DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	*	1		0606	62	0.	*	1		1212	123	80.	*	1		1818	184	6.
1		0006	2	0.	*	1		0612	63	0.	*	1		1218	124	88.	*	1		1824	185	6.

1	0012	3	0.	*	1	0618	64	0.	*	1	1224	125	87.	*	1	1830	186	6.	
1	0018	4	0.	*	1	0624	65	0.	*	1	1230	126	83.	*	1	1836	187	6.	
1	0024	5	0.	*	1	0630	66	0.	*	1	1236	127	80.	*	1	1842	188	5.	
1	0030	6	0.	*	1	0636	67	0.	*	1	1242	128	79.	*	1	1848	189	5.	
1	0036	7	0.	*	1	0642	68	0.	*	1	1248	129	78.	*	1	1854	190	5.	
1	0042	8	0.	*	1	0648	69	0.	*	1	1254	130	75.	*	1	1900	191	5.	
1	0048	9	0.	*	1	0654	70	0.	*	1	1300	131	69.	*	1	1906	192	5.	
1	0054	10	0.	*	1	0700	71	0.	*	1	1306	132	62.	*	1	1912	193	5.	
1	0100	11	0.	*	1	0706	72	0.	*	1	1312	133	55.	*	1	1918	194	5.	
1	0106	12	0.	*	1	0712	73	0.	*	1	1318	134	48.	*	1	1924	195	5.	
1	0112	13	0.	*	1	0718	74	0.	*	1	1324	135	43.	*	1	1930	196	5.	
1	0118	14	0.	*	1	0724	75	0.	*	1	1330	136	38.	*	1	1936	197	5.	
1	0124	15	0.	*	1	0730	76	0.	*	1	1336	137	34.	*	1	1942	198	5.	
1	0130	16	0.	*	1	0736	77	0.	*	1	1342	138	31.	*	1	1948	199	5.	
1	0136	17	0.	*	1	0742	78	0.	*	1	1348	139	28.	*	1	1954	200	5.	
1	0142	18	0.	*	1	0748	79	0.	*	1	1354	140	26.	*	1	2000	201	5.	
1	0148	19	0.	*	1	0754	80	0.	*	1	1400	141	24.	*	1	2006	202	5.	
1	0154	20	0.	*	1	0800	81	0.	*	1	1406	142	23.	*	1	2012	203	5.	
1	0200	21	0.	*	1	0806	82	0.	*	1	1412	143	21.	*	1	2018	204	5.	
1	0206	22	0.	*	1	0812	83	0.	*	1	1418	144	20.	*	1	2024	205	5.	
1	0212	23	0.	*	1	0818	84	0.	*	1	1424	145	19.	*	1	2030	206	4.	
1	0218	24	0.	*	1	0824	85	0.	*	1	1430	146	18.	*	1	2036	207	4.	
1	0224	25	0.	*	1	0830	86	0.	*	1	1436	147	17.	*	1	2042	208	4.	
1	0230	26	0.	*	1	0836	87	0.	*	1	1442	148	17.	*	1	2048	209	4.	
1	0236	27	0.	*	1	0842	88	0.	*	1	1448	149	16.	*	1	2054	210	4.	
1	0242	28	0.	*	1	0848	89	0.	*	1	1454	150	15.	*	1	2100	211	4.	
1	0248	29	0.	*	1	0854	90	0.	*	1	1500	151	15.	*	1	2106	212	4.	
1	0254	30	0.	*	1	0900	91	1.	*	1	1506	152	14.	*	1	2112	213	4.	
1	0300	31	0.	*	1	0906	92	1.	*	1	1512	153	14.	*	1	2118	214	4.	
1	0306	32	0.	*	1	0912	93	1.	*	1	1518	154	13.	*	1	2124	215	4.	
1	0312	33	0.	*	1	0918	94	1.	*	1	1524	155	13.	*	1	2130	216	4.	
1	0318	34	0.	*	1	0924	95	1.	*	1	1530	156	13.	*	1	2136	217	4.	
1	0324	35	0.	*	1	0930	96	1.	*	1	1536	157	12.	*	1	2142	218	4.	
1	0330	36	0.	*	1	0936	97	1.	*	1	1542	158	12.	*	1	2148	219	4.	
1	0336	37	0.	*	1	0942	98	1.	*	1	1548	159	12.	*	1	2154	220	4.	
1	0342	38	0.	*	1	0948	99	1.	*	1	1554	160	12.	*	1	2200	221	4.	
1	0348	39	0.	*	1	0954	100	2.	*	1	1600	161	11.	*	1	2206	222	4.	
1	0354	40	0.	*	1	1000	101	2.	*	1	1606	162	11.	*	1	2212	223	4.	
1	0400	41	0.	*	1	1006	102	2.	*	1	1612	163	11.	*	1	2218	224	4.	
1	0406	42	0.	*	1	1012	103	2.	*	1	1618	164	11.	*	1	2224	225	4.	
1	0412	43	0.	*	1	1018	104	3.	*	1	1624	165	11.	*	1	2230	226	4.	
1	0418	44	0.	*	1	1024	105	3.	*	1	1630	166	10.	*	1	2236	227	4.	
1	0424	45	0.	*	1	1030	106	3.	*	1	1636	167	10.	*	1	2242	228	4.	
1	0430	46	0.	*	1	1036	107	4.	*	1	1642	168	10.	*	1	2248	229	4.	
1	0436	47	0.	*	1	1042	108	4.	*	1	1648	169	10.	*	1	2254	230	4.	
1	0442	48	0.	*	1	1048	109	4.	*	1	1654	170	9.	*	1	2300	231	4.	
1	0448	49	0.	*	1	1054	110	5.	*	1	1700	171	9.	*	1	2306	232	4.	
1	0454	50	0.	*	1	1100	111	5.	*	1	1706	172	8.	*	1	2312	233	4.	
1	0500	51	0.	*	1	1106	112	6.	*	1	1712	173	8.	*	1	2318	234	4.	
1	0506	52	0.	*	1	1112	113	7.	*	1	1718	174	8.	*	1	2324	235	4.	
1	0512	53	0.	*	1	1118	114	7.	*	1	1724	175	8.	*	1	2330	236	4.	
1	0518	54	0.	*	1	1124	115	8.	*	1	1730	176	7.	*	1	2336	237	3.	
1	0524	55	0.	*	1	1130	116	10.	*	1	1736	177	7.	*	1	2342	238	3.	
1	0530	56	0.	*	1	1136	117	11.	*	1	1742	178	7.	*	1	2348	239	3.	
1	0536	57	0.	*	1	1142	118	13.	*	1	1748	179	7.	*	1	2354	240	3.	
1	0542	58	0.	*	1	1148	119	17.	*	1	1754	180	6.	*	2	0000	241	3.	
1	0548	59	0.	*	1	1154	120	25.	*	1	1800	181	6.	*					
1	0554	60	0.	*	1	1200	121	40.	*	1	1806	182	6.	*					
1	0600	61	0.	*	1	1206	122	61.	*	1	1812	183	6.	*					
				*					*					*					

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 PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                   6-HR        24-HR       72-HR      24.00-HR
+   (CFS)       (HR)
                           (CFS)
+      88.      12.30                29.          9.          9.          9.
                         (INCHES)   3.263       3.978       3.978       3.978
                          (AC-FT)     14.         17.         17.         17.

                       CUMULATIVE AREA =      .08 SQ MI
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1 STATION COMB3

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                      (O) OUTFLOW
         0.        10.        20.        30.        40.        50.        60.        70.        80.        90.         0.         0.         0.
DAHRMN PER
 10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2O         .         .         .         .         .         .         .         .         .         .         .
 10012   3O         .         .         .         .         .         .         .         .         .         .         .
 10018   4O         .         .         .         .         .         .         .         .         .         .         .
 10024   5O         .         .         .         .         .         .         .         .         .         .         .
 10030   6O         .         .         .         .         .         .         .         .         .         .         .
 10036   7O         .         .         .         .         .         .         .         .         .         .         .
 10042   8O         .         .         .         .         .         .         .         .         .         .         .
 10048   9O         .         .         .         .         .         .         .         .         .         .         .
 10054  10O         .         .         .         .         .         .         .         .         .         .         .
 10100  11O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12O         .         .         .         .         .         .         .         .         .         .         .
 10112  13O         .         .         .         .         .         .         .         .         .         .         .
 10118  14O         .         .         .         .         .         .         .         .         .         .         .
 10124  15O         .         .         .         .         .         .         .         .         .         .         .
 10130  16O         .         .         .         .         .         .         .         .         .         .         .
 10136  17O         .         .         .         .         .         .         .         .         .         .         .
 10142  18O         .         .         .         .         .         .         .         .         .         .         .
 10148  19O         .         .         .         .         .         .         .         .         .         .         .
 10154  20O         .         .         .         .         .         .         .         .         .         .         .
 10200  21O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  22O         .         .         .         .         .         .         .         .         .         .         .
 10212  23O         .         .         .         .         .         .         .         .         .         .         .
 10218  24O         .         .         .         .         .         .         .         .         .         .         .
 10224  25O         .         .         .         .         .         .         .         .         .         .         .
 10230  26O         .         .         .         .         .         .         .         .         .         .         .
 10236  27O         .         .         .         .         .         .         .         .         .         .         .
 10242  28O         .         .         .         .         .         .         .         .         .         .         .
 10248  29O         .         .         .         .         .         .         .         .         .         .         .
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10254  300
10300  310
10306  320
10312  330
10318  340
10324  350
10330  360
10336  370
10342  380
10348  390
10354  400
10400  410
10406  420
10412  430
10418  440
10424  450
10430  460
10436  470
10442  480
10448  490
10454  500
10500  510
10506  520
10512  530
10518  540
10524  550
10530  560
10536  570
10542  580
10548  590
10554  600
10600  610
10606  620
10612  630
10618  640
10624  650
10630  660
10636  670
10642  680
10648  690
10654  700
10700  710
10706  720
10712  730
10718  740
10724  750
10730  760
10736  770
10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  850
10830  860
10836  870
10842  880
10848  890
10854  900
10900  91.o
10906  92.o
10912  93.o
10918  94.o
10924  95.o
10930  96.o
10936  97.o
10942  98.o
10948  99.o
10954 100. o
11000 101. o
11006 102. o
11012 103. o
11018 104.  o
11024 105.  o
11030 106.  o
11036 107.   o
11042 108.   o
11048 109.   o
11054 110.    o
11100 111. . .o.
11106 112.     o
11112 113.      o
11118 114.      o
11124 115.       o
11130 116.         o
11136 117.         .o
11142 118.         . o
11148 119.                o
11154 120.                        o
11200 121.                                       o
11206 122.                                                          .o
11212 123.                                                                              o
11218 124.                                                                                      o
11224 125.                                                                                     o
11230 126.                                                                                 o
11236 127.                                                                              o
11242 128.                                                                             o.
11248 129.                                                                            o
11254 130.                                                                         o
11300 131.                                                                   .o.
11306 132.                                                            o
11312 133.                                                     o
11318 134.                                              o
11324 135.                                         o
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11330 136.         .         .         .       o .         .         .         .         .         .         .         .         .
11336 137.         .         .         .   o     .         .         .         .         .         .         .         .         .
11342 138.         .         .         .o        .         .         .         .         .         .         .         .         .
11348 139.         .         .       o .         .         .         .         .         .         .         .         .         .
11354 140.         .         .     o   .         .         .         .         .         .         .         .         .         .
11400 141. . . . . . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .         .  o      .         .         .         .         .         .         .         .         .         .
11412 143.         .         .o        .         .         .         .         .         .         .         .         .         .
11418 144.         .         o         .         .         .         .         .         .         .         .         .         .
11424 145.         .        o.         .         .         .         .         .         .         .         .         .         .
11430 146.         .       o .         .         .         .         .         .         .         .         .         .         .
11436 147.         .      o  .         .         .         .         .         .         .         .         .         .         .
11442 148.         .      o  .         .         .         .         .         .         .         .         .         .         .
11448 149.         .     o   .         .         .         .         .         .         .         .         .         .         .
11454 150.         .    o    .         .         .         .         .         .         .         .         .         .         .
11500 151. . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.         .   o     .         .         .         .         .         .         .         .         .         .         .
11512 153.         .   o     .         .         .         .         .         .         .         .         .         .         .
11518 154.         .  o      .         .         .         .         .         .         .         .         .         .         .
11524 155.         .  o      .         .         .         .         .         .         .         .         .         .         .
11530 156.         .  o      .         .         .         .         .         .         .         .         .         .         .
11536 157.         . o       .         .         .         .         .         .         .         .         .         .         .
11542 158.         . o       .         .         .         .         .         .         .         .         .         .         .
11548 159.         . o       .         .         .         .         .         .         .         .         .         .         .
11554 160.         . o       .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.         .o        .         .         .         .         .         .         .         .         .         .         .
11612 163.         .o        .         .         .         .         .         .         .         .         .         .         .
11618 164.         .o        .         .         .         .         .         .         .         .         .         .         .
11624 165.         .o        .         .         .         .         .         .         .         .         .         .         .
11630 166.         o         .         .         .         .         .         .         .         .         .         .         .
11636 167.         o         .         .         .         .         .         .         .         .         .         .         .
11642 168.         o         .         .         .         .         .         .         .         .         .         .         .
11648 169.         o         .         .         .         .         .         .         .         .         .         .         .
11654 170.        o.         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.       o .         .         .         .         .         .         .         .         .         .         .         .
11712 173.       o .         .         .         .         .         .         .         .         .         .         .         .
11718 174.       o .         .         .         .         .         .         .         .         .         .         .         .
11724 175.       o .         .         .         .         .         .         .         .         .         .         .         .
11730 176.      o  .         .         .         .         .         .         .         .         .         .         .         .
11736 177.      o  .         .         .         .         .         .         .         .         .         .         .         .
11742 178.      o  .         .         .         .         .         .         .         .         .         .         .         .
11748 179.      o  .         .         .         .         .         .         .         .         .         .         .         .
11754 180.     o   .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.     o   .         .         .         .         .         .         .         .         .         .         .         .
11812 183.     o   .         .         .         .         .         .         .         .         .         .         .         .
11818 184.     o   .         .         .         .         .         .         .         .         .         .         .         .
11824 185.     o   .         .         .         .         .         .         .         .         .         .         .         .
11830 186.     o   .         .         .         .         .         .         .         .         .         .         .         .
11836 187.     o   .         .         .         .         .         .         .         .         .         .         .         .
11842 188.    o    .         .         .         .         .         .         .         .         .         .         .         .
11848 189.    o    .         .         .         .         .         .         .         .         .         .         .         .
11854 190.    o    .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.    o    .         .         .         .         .         .         .         .         .         .         .         .
11912 193.    o    .         .         .         .         .         .         .         .         .         .         .         .
11918 194.    o    .         .         .         .         .         .         .         .         .         .         .         .
11924 195.    o    .         .         .         .         .         .         .         .         .         .         .         .
11930 196.    o    .         .         .         .         .         .         .         .         .         .         .         .
11936 197.    o    .         .         .         .         .         .         .         .         .         .         .         .
11942 198.    o    .         .         .         .         .         .         .         .         .         .         .         .
11948 199.    o    .         .         .         .         .         .         .         .         .         .         .         .
11954 200.    o    .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.    o    .         .         .         .         .         .         .         .         .         .         .         .
12012 203.    o    .         .         .         .         .         .         .         .         .         .         .         .
12018 204.    o    .         .         .         .         .         .         .         .         .         .         .         .
12024 205.    o    .         .         .         .         .         .         .         .         .         .         .         .
12030 206.   o     .         .         .         .         .         .         .         .         .         .         .         .
12036 207.   o     .         .         .         .         .         .         .         .         .         .         .         .
12042 208.   o     .         .         .         .         .         .         .         .         .         .         .         .
12048 209.   o     .         .         .         .         .         .         .         .         .         .         .         .
12054 210.   o     .         .         .         .         .         .         .         .         .         .         .         .
12100 211. . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.   o     .         .         .         .         .         .         .         .         .         .         .         .
12112 213.   o     .         .         .         .         .         .         .         .         .         .         .         .
12118 214.   o     .         .         .         .         .         .         .         .         .         .         .         .
12124 215.   o     .         .         .         .         .         .         .         .         .         .         .         .
12130 216.   o     .         .         .         .         .         .         .         .         .         .         .         .
12136 217.   o     .         .         .         .         .         .         .         .         .         .         .         .
12142 218.   o     .         .         .         .         .         .         .         .         .         .         .         .
12148 219.   o     .         .         .         .         .         .         .         .         .         .         .         .
12154 220.   o     .         .         .         .         .         .         .         .         .         .         .         .
12200 221. . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.   o     .         .         .         .         .         .         .         .         .         .         .         .
12212 223.   o     .         .         .         .         .         .         .         .         .         .         .         .
12218 224.   o     .         .         .         .         .         .         .         .         .         .         .         .
12224 225.   o     .         .         .         .         .         .         .         .         .         .         .         .
12230 226.   o     .         .         .         .         .         .         .         .         .         .         .         .
12236 227.   o     .         .         .         .         .         .         .         .         .         .         .         .
12242 228.   o     .         .         .         .         .         .         .         .         .         .         .         .
12248 229.   o     .         .         .         .         .         .         .         .         .         .         .         .
12254 230.   o     .         .         .         .         .         .         .         .         .         .         .         .
12300 231. . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.   o     .         .         .         .         .         .         .         .         .         .         .         .
12312 233.   o     .         .         .         .         .         .         .         .         .         .         .         .
12318 234.   o     .         .         .         .         .         .         .         .         .         .         .         .
12324 235.   o     .         .         .         .         .         .         .         .         .         .         .         .
12330 236.   o     .         .         .         .         .         .         .         .         .         .         .         .
12336 237.  o      .         .         .         .         .         .         .         .         .         .         .         .
12342 238.  o      .         .         .         .         .         .         .         .         .         .         .         .
12348 239.  o      .         .         .         .         .         .         .         .         .         .         .         .
12354 240.  o      .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--o------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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          *            *
126 KK    *   SUB A    *          SUBAREA A WATERSHED AREA
          *            *
          **************

128 KO         OUTPUT CONTROL VARIABLES
                     IPRNT             2  PRINT CONTROL
                     IPLOT             2  PLOT CONTROL
                     QSCAL            0.  HYDROGRAPH PLOT SCALE

             SUBBASIN RUNOFF DATA

129 BA         SUBBASIN CHARACTERISTICS
                     TAREA           .11  SUBBASIN AREA

               PRECIPITATION DATA

 50 PB               STORM          8.00  BASIN TOTAL PRECIPITATION

 52 PI           INCREMENTAL PRECIPITATION PATTERN
```

.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.01	.00	.01	.00	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.01	.02	.03	.05	.08
.08	.05	.03	.02	.01	.01	.01	.01	.01	.01
.01	.01	.01	.01	.01	.00	.01	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

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130 LS         SCS LOSS RATE
                     STRTL           .60  INITIAL ABSTRACTION
                    CRVNBR         77.00  CURVE NUMBER
                     RTIMP           .00  PERCENT IMPERVIOUS AREA

131 UD         SCS DIMENSIONLESS UNITGRAPH
                     TLAG            .43  LAG

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UNIT HYDROGRAPH
24 END-OF-PERIOD ORDINATES

12.	37.	77.	105.	110.	99.	80.	55.	38.	28.
20.	14.	10.	7.	5.	4.	3.	2.	1.	1.
1.	0.	0.	0.						

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HYDROGRAPH AT STATION SUB A

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DA	MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.	*	1	1206	122	.67	.13	.54	95.
1	0006	2	.01	.01	.00	0.	*	1	1212	123	.43	.07	.36	137.
1	0012	3	.01	.01	.00	0.	*	1	1218	124	.28	.04	.24	179.
1	0018	4	.01	.01	.00	0.	*	1	1224	125	.13	.02	.11	206.
1	0024	5	.01	.01	.00	0.	*	1	1230	126	.10	.01	.09	213.
1	0030	6	.01	.01	.00	0.	*	1	1236	127	.10	.01	.08	200.
1	0036	7	.01	.01	.00	0.	*	1	1242	128	.09	.01	.08	175.
1	0042	8	.01	.01	.00	0.	*	1	1248	129	.07	.01	.06	147.
1	0048	9	.01	.01	.00	0.	*	1	1254	130	.07	.01	.06	122.
1	0054	10	.01	.01	.00	0.	*	1	1300	131	.06	.01	.06	102.
1	0100	11	.01	.01	.00	0.	*	1	1306	132	.06	.01	.05	86.
1	0106	12	.01	.01	.00	0.	*	1	1312	133	.06	.01	.06	74.
1	0112	13	.01	.01	.00	0.	*	1	1318	134	.05	.01	.04	64.
1	0118	14	.01	.01	.00	0.	*	1	1324	135	.06	.01	.05	56.
1	0124	15	.01	.01	.00	0.	*	1	1330	136	.05	.01	.04	50.
1	0130	16	.01	.01	.00	0.	*	1	1336	137	.04	.00	.04	45.
1	0136	17	.01	.01	.00	0.	*	1	1342	138	.05	.01	.04	41.
1	0142	18	.01	.01	.00	0.	*	1	1348	139	.04	.00	.04	38.
1	0148	19	.01	.01	.00	0.	*	1	1354	140	.04	.00	.04	35.
1	0154	20	.01	.01	.00	0.	*	1	1400	141	.04	.00	.04	33.
1	0200	21	.01	.01	.00	0.	*	1	1406	142	.04	.00	.04	31.
1	0206	22	.01	.01	.00	0.	*	1	1412	143	.04	.00	.04	29.
1	0212	23	.01	.01	.00	0.	*	1	1418	144	.03	.00	.03	28.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.03	.00	.03	27.
1	0224	25	.01	.01	.00	0.	*	1	1430	146	.04	.00	.04	26.
1	0230	26	.02	.02	.00	0.	*	1	1436	147	.03	.00	.03	25.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.03	.00	.03	24.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.00	.02	23.
1	0248	29	.01	.01	.00	0.	*	1	1454	150	.03	.00	.03	22.

1	0254	30	.01	.01	.00	0.	*	1	1500	151	.03	.00	.03	21.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.03	.00	.03	21.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.00	.02	20.
1	0312	33	.02	.02	.00	0.	*	1	1518	154	.03	.00	.03	20.
1	0318	34	.01	.01	.00	0.	*	1	1524	155	.02	.00	.02	20.
1	0324	35	.01	.01	.00	0.	*	1	1530	156	.02	.00	.02	19.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.03	.00	.03	19.
1	0336	37	.01	.01	.00	0.	*	1	1542	158	.02	.00	.02	18.
1	0342	38	.02	.02	.00	0.	*	1	1548	159	.02	.00	.02	18.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.02	17.
1	0354	40	.01	.01	.00	0.	*	1	1600	161	.02	.00	.02	17.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.02	17.
1	0406	42	.02	.02	.00	0.	*	1	1612	163	.02	.00	.02	16.
1	0412	43	.01	.01	.00	0.	*	1	1618	164	.02	.00	.02	16.
1	0418	44	.01	.01	.00	0.	*	1	1624	165	.02	.00	.02	16.
1	0424	45	.02	.02	.00	0.	*	1	1630	166	.02	.00	.01	16.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.02	15.
1	0436	47	.01	.01	.00	0.	*	1	1642	168	.02	.00	.02	15.
1	0442	48	.02	.02	.00	0.	*	1	1648	169	.02	.00	.01	15.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.02	.00	.01	14.
1	0454	50	.01	.01	.00	0.	*	1	1700	171	.01	.00	.01	14.
1	0500	51	.02	.02	.00	0.	*	1	1706	172	.02	.00	.01	13.
1	0506	52	.01	.01	.00	0.	*	1	1712	173	.02	.00	.01	12.
1	0512	53	.02	.02	.00	0.	*	1	1718	174	.02	.00	.01	11.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.02	.00	.01	11.
1	0524	55	.02	.02	.00	0.	*	1	1730	176	.01	.00	.01	10.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.02	.00	.01	10.
1	0536	57	.02	.02	.00	0.	*	1	1742	178	.02	.00	.01	10.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	9.
1	0548	59	.02	.02	.00	0.	*	1	1754	180	.02	.00	.01	9.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.02	.00	.01	9.
1	0600	61	.02	.02	.00	0.	*	1	1806	182	.01	.00	.01	9.
1	0606	62	.02	.02	.00	0.	*	1	1812	183	.02	.00	.01	9.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	9.
1	0618	64	.02	.02	.00	0.	*	1	1824	185	.02	.00	.01	8.
1	0624	65	.02	.02	.00	0.	*	1	1830	186	.01	.00	.01	8.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.02	.00	.01	8.
1	0636	67	.02	.02	.00	0.	*	1	1842	188	.01	.00	.01	8.
1	0642	68	.02	.02	.00	0.	*	1	1848	189	.02	.00	.01	8.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	8.
1	0654	70	.02	.02	.00	0.	*	1	1900	191	.02	.00	.01	8.
1	0700	71	.02	.01	.00	0.	*	1	1906	192	.01	.00	.01	8.
1	0706	72	.02	.01	.00	0.	*	1	1912	193	.01	.00	.01	8.
1	0712	73	.02	.01	.00	0.	*	1	1918	194	.02	.00	.01	8.
1	0718	74	.02	.01	.00	1.	*	1	1924	195	.01	.00	.01	7.
1	0724	75	.02	.01	.00	1.	*	1	1930	196	.02	.00	.01	7.
1	0730	76	.02	.02	.00	1.	*	1	1936	197	.01	.00	.01	7.
1	0736	77	.02	.02	.00	1.	*	1	1942	198	.01	.00	.01	7.
1	0742	78	.02	.02	.00	1.	*	1	1948	199	.02	.00	.01	7.
1	0748	79	.02	.02	.00	1.	*	1	1954	200	.01	.00	.01	7.
1	0754	80	.02	.02	.00	2.	*	1	2000	201	.01	.00	.01	7.
1	0800	81	.02	.02	.00	2.	*	1	2006	202	.01	.00	.01	7.
1	0806	82	.02	.02	.00	2.	*	1	2012	203	.02	.00	.01	7.
1	0812	83	.02	.02	.00	2.	*	1	2018	204	.01	.00	.01	7.
1	0818	84	.02	.02	.01	3.	*	1	2024	205	.01	.00	.01	7.
1	0824	85	.02	.02	.01	3.	*	1	2030	206	.01	.00	.01	7.
1	0830	86	.02	.02	.01	3.	*	1	2036	207	.02	.00	.01	7.
1	0836	87	.03	.02	.01	3.	*	1	2042	208	.01	.00	.01	6.
1	0842	88	.02	.02	.01	3.	*	1	2048	209	.01	.00	.01	7.
1	0848	89	.02	.02	.01	4.	*	1	2054	210	.01	.00	.01	6.
1	0854	90	.03	.02	.01	4.	*	1	2100	211	.01	.00	.01	6.
1	0900	91	.03	.02	.01	4.	*	1	2106	212	.02	.00	.01	6.
1	0906	92	.02	.02	.01	5.	*	1	2112	213	.01	.00	.01	6.
1	0912	93	.03	.02	.01	5.	*	1	2118	214	.01	.00	.01	6.
1	0918	94	.03	.02	.01	5.	*	1	2124	215	.01	.00	.01	6.
1	0924	95	.03	.02	.01	6.	*	1	2130	216	.01	.00	.01	6.
1	0930	96	.03	.02	.01	6.	*	1	2136	217	.01	.00	.01	6.
1	0936	97	.03	.02	.01	6.	*	1	2142	218	.01	.00	.01	6.
1	0942	98	.04	.03	.01	7.	*	1	2148	219	.01	.00	.01	6.
1	0948	99	.03	.02	.01	7.	*	1	2154	220	.01	.00	.01	6.
1	0954	100	.04	.02	.02	8.	*	1	2200	221	.02	.00	.01	6.
1	1000	101	.03	.02	.01	8.	*	1	2206	222	.01	.00	.01	6.
1	1006	102	.04	.02	.02	9.	*	1	2212	223	.01	.00	.01	6.
1	1012	103	.04	.02	.02	9.	*	1	2218	224	.01	.00	.01	6.
1	1018	104	.05	.03	.02	10.	*	1	2224	225	.01	.00	.01	6.
1	1024	105	.04	.02	.02	10.	*	1	2230	226	.01	.00	.01	6.
1	1030	106	.05	.03	.02	11.	*	1	2236	227	.01	.00	.01	6.
1	1036	107	.05	.02	.02	12.	*	1	2242	228	.01	.00	.01	6.
1	1042	108	.05	.02	.02	13.	*	1	2248	229	.01	.00	.01	5.
1	1048	109	.06	.03	.03	14.	*	1	2254	230	.01	.00	.01	5.
1	1054	110	.06	.03	.03	14.	*	1	2300	231	.01	.00	.01	5.
1	1100	111	.06	.03	.03	16.	*	1	2306	232	.01	.00	.01	5.
1	1106	112	.06	.03	.03	17.	*	1	2312	233	.01	.00	.01	5.
1	1112	113	.06	.03	.04	18.	*	1	2318	234	.01	.00	.01	5.
1	1118	114	.08	.03	.05	20.	*	1	2324	235	.01	.00	.01	5.
1	1124	115	.09	.04	.05	22.	*	1	2330	236	.01	.00	.01	5.
1	1130	116	.09	.04	.05	24.	*	1	2336	237	.01	.00	.01	5.
1	1136	117	.11	.04	.07	26.	*	1	2342	238	.01	.00	.01	5.
1	1142	118	.13	.05	.08	30.	*	1	2348	239	.00	.00	.00	5.
1	1148	119	.28	.09	.19	35.	*	1	2354	240	.00	.00	.00	5.
1	1154	120	.42	.12	.30	44.	*	2	0000	241	.01	.00	.01	5.
1	1200	121	.67	.16	.51	64.	*							

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TOTAL RAINFALL = 8.00, TOTAL LOSS = 2.73, TOTAL EXCESS = 5.27

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 213.	12.50		50.	15.	15.	15.
		(INCHES)	4.232	5.239	5.239	5.239
		(AC-FT)	25.	31.	31.	31.

CUMULATIVE AREA = .11 SQ MI

HYDROGRAPH AT STATION SUB A
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	1		1206	122	.36	.14	.22	32.
1		0006	2	.00	.00	.00	0.	1		1212	123	.23	.08	.15	49.
1		0012	3	.00	.00	.00	0.	1		1218	124	.15	.05	.10	66.
1		0018	4	.00	.00	.00	0.	1		1224	125	.07	.02	.05	78.
1		0024	5	.00	.00	.00	0.	1		1230	126	.06	.02	.04	83.
1		0030	6	.00	.00	.00	0.	1		1236	127	.05	.02	.04	79.
1		0036	7	.00	.00	.00	0.	1		1242	128	.05	.01	.03	70.
1		0042	8	.00	.00	.00	0.	1		1248	129	.04	.01	.03	60.
1		0048	9	.00	.00	.00	0.	1		1254	130	.04	.01	.03	50.
1		0054	10	.00	.00	.00	0.	1		1300	131	.03	.01	.02	42.
1		0100	11	.00	.00	.00	0.	1		1306	132	.03	.01	.02	36.
1		0106	12	.00	.00	.00	0.	1		1312	133	.03	.01	.02	31.
1		0112	13	.00	.00	.00	0.	1		1318	134	.03	.01	.02	27.
1		0118	14	.00	.00	.00	0.	1		1324	135	.03	.01	.02	24.
1		0124	15	.00	.00	.00	0.	1		1330	136	.03	.01	.02	22.
1		0130	16	.00	.00	.00	0.	1		1336	137	.02	.01	.02	20.
1		0136	17	.00	.00	.00	0.	1		1342	138	.03	.01	.02	18.
1		0142	18	.00	.00	.00	0.	1		1348	139	.02	.01	.02	17.
1		0148	19	.00	.00	.00	0.	1		1354	140	.02	.01	.02	15.
1		0154	20	.00	.00	.00	0.	1		1400	141	.02	.01	.02	15.
1		0200	21	.00	.00	.00	0.	1		1406	142	.02	.01	.02	14.
1		0206	22	.00	.00	.00	0.	1		1412	143	.02	.01	.02	13.
1		0212	23	.00	.00	.00	0.	1		1418	144	.02	.00	.01	12.
1		0218	24	.00	.00	.00	0.	1		1424	145	.02	.00	.01	12.
1		0224	25	.00	.00	.00	0.	1		1430	146	.02	.01	.02	11.
1		0230	26	.01	.01	.00	0.	1		1436	147	.02	.00	.01	11.
1		0236	27	.00	.00	.00	0.	1		1442	148	.02	.00	.01	11.
1		0242	28	.00	.00	.00	0.	1		1448	149	.01	.00	.01	10.
1		0248	29	.00	.00	.00	0.	1		1454	150	.02	.00	.01	10.
1		0254	30	.00	.00	.00	0.	1		1500	151	.02	.00	.01	10.
1		0300	31	.00	.00	.00	0.	1		1506	152	.02	.00	.01	9.
1		0306	32	.00	.00	.00	0.	1		1512	153	.01	.00	.01	9.
1		0312	33	.01	.01	.00	0.	1		1518	154	.02	.00	.01	9.
1		0318	34	.00	.00	.00	0.	1		1524	155	.01	.00	.01	9.
1		0324	35	.00	.00	.00	0.	1		1530	156	.01	.00	.01	9.
1		0330	36	.00	.00	.00	0.	1		1536	157	.02	.00	.01	8.
1		0336	37	.00	.00	.00	0.	1		1542	158	.01	.00	.01	8.
1		0342	38	.01	.01	.00	0.	1		1548	159	.01	.00	.01	8.
1		0348	39	.00	.00	.00	0.	1		1554	160	.01	.00	.01	8.
1		0354	40	.00	.00	.00	0.	1		1600	161	.01	.00	.01	8.
1		0400	41	.00	.00	.00	0.	1		1606	162	.01	.00	.01	8.
1		0406	42	.01	.01	.00	0.	1		1612	163	.01	.00	.01	7.
1		0412	43	.00	.00	.00	0.	1		1618	164	.01	.00	.01	7.
1		0418	44	.00	.00	.00	0.	1		1624	165	.01	.00	.01	7.
1		0424	45	.01	.01	.00	0.	1		1630	166	.01	.00	.01	7.
1		0430	46	.00	.00	.00	0.	1		1636	167	.01	.00	.01	7.
1		0436	47	.00	.00	.00	0.	1		1642	168	.01	.00	.01	7.
1		0442	48	.01	.01	.00	0.	1		1648	169	.01	.00	.01	7.
1		0448	49	.00	.00	.00	0.	1		1654	170	.01	.00	.01	7.
1		0454	50	.00	.00	.00	0.	1		1700	171	.00	.00	.00	6.
1		0500	51	.01	.01	.00	0.	1		1706	172	.01	.00	.01	6.
1		0506	52	.00	.00	.00	0.	1		1712	173	.01	.00	.01	5.
1		0512	53	.01	.01	.00	0.	1		1718	174	.01	.00	.01	5.
1		0518	54	.00	.00	.00	0.	1		1724	175	.01	.00	.01	5.
1		0524	55	.01	.01	.00	0.	1		1730	176	.00	.00	.00	5.
1		0530	56	.00	.00	.00	0.	1		1736	177	.01	.00	.01	5.
1		0536	57	.01	.01	.00	0.	1		1742	178	.01	.00	.01	4.
1		0542	58	.00	.00	.00	0.	1		1748	179	.00	.00	.00	4.
1		0548	59	.01	.01	.00	0.	1		1754	180	.01	.00	.01	4.
1		0554	60	.00	.00	.00	0.	1		1800	181	.01	.00	.01	4.
1		0600	61	.01	.01	.00	0.	1		1806	182	.00	.00	.00	4.
1		0606	62	.01	.01	.00	0.	1		1812	183	.01	.00	.01	4.
1		0612	63	.00	.00	.00	0.	1		1818	184	.00	.00	.00	4.
1		0618	64	.01	.01	.00	0.	1		1824	185	.01	.00	.01	4.
1		0624	65	.01	.01	.00	0.	1		1830	186	.00	.00	.00	4.
1		0630	66	.00	.00	.00	0.	1		1836	187	.01	.00	.01	4.
1		0636	67	.01	.01	.00	0.	1		1842	188	.00	.00	.00	4.
1		0642	68	.01	.01	.00	0.	1		1848	189	.01	.00	.01	4.
1		0648	69	.00	.00	.00	0.	1		1854	190	.00	.00	.00	4.
1		0654	70	.01	.01	.00	0.	1		1900	191	.01	.00	.01	4.
1		0700	71	.01	.01	.00	0.	1		1906	192	.00	.00	.00	4.
1		0706	72	.01	.01	.00	0.	1		1912	193	.00	.00	.00	4.
1		0712	73	.01	.01	.00	0.	1		1918	194	.01	.00	.01	4.
1		0718	74	.01	.01	.00	0.	1		1924	195	.00	.00	.00	3.
1		0724	75	.01	.01	.00	0.	1		1930	196	.01	.00	.01	3.
1		0730	76	.01	.01	.00	0.	1		1936	197	.00	.00	.00	3.
1		0736	77	.01	.01	.00	0.	1		1942	198	.00	.00	.00	3.
1		0742	78	.01	.01	.00	0.	1		1948	199	.01	.00	.01	3.
1		0748	79	.01	.01	.00	0.	1		1954	200	.00	.00	.00	3.
1		0754	80	.01	.01	.00	0.	1		2000	201	.00	.00	.00	3.
1		0800	81	.01	.01	.00	0.	1		2006	202	.00	.00	.00	3.
1		0806	82	.01	.01	.00	0.	1		2012	203	.01	.00	.01	3.
1		0812	83	.01	.01	.00	0.	1		2018	204	.00	.00	.00	3.
1		0818	84	.01	.01	.00	0.	1		2024	205	.00	.00	.00	3.
1		0824	85	.01	.01	.00	0.	1		2030	206	.00	.00	.00	3.
1		0830	86	.01	.01	.00	0.	1		2036	207	.01	.00	.01	3.
1		0836	87	.02	.02	.00	0.	1		2042	208	.00	.00	.00	3.
1		0842	88	.01	.01	.00	0.	1		2048	209	.00	.00	.00	3.
1		0848	89	.01	.01	.00	0.	1		2054	210	.00	.00	.00	3.
1		0854	90	.02	.02	.00	0.	1		2100	211	.00	.00	.00	3.
1		0900	91	.02	.02	.00	0.	1		2106	212	.01	.00	.01	3.
1		0906	92	.01	.01	.00	0.	1		2112	213	.00	.00	.00	3.
1		0912	93	.02	.02	.00	0.	1		2118	214	.00	.00	.00	3.
1		0918	94	.02	.02	.00	0.	1		2124	215	.00	.00	.00	3.
1		0924	95	.02	.02	.00	0.	1		2130	216	.00	.00	.00	3.

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   1   0930   96    .02    .02    .00       0.   *   1   2136  217   .00   .00   .00      3.
   1   0936   97    .02    .02    .00       0.   *   1   2142  218   .00   .00   .00      3.
   1   0942   98    .02    .02    .00       0.   *   1   2148  219   .00   .00   .00      3.
   1   0948   99    .02    .02    .00       1.   *   1   2154  220   .00   .00   .00      3.
   1   0954  100    .02    .02    .00       1.   *   1   2200  221   .01   .00   .01      3.
   1   1000  101    .02    .02    .00       1.   *   1   2206  222   .00   .00   .00      3.
   1   1006  102    .02    .02    .00       1.   *   1   2212  223   .00   .00   .00      3.
   1   1012  103    .02    .02    .00       1.   *   1   2218  224   .00   .00   .00      3.
   1   1018  104    .03    .02    .00       1.   *   1   2224  225   .00   .00   .00      3.
   1   1024  105    .02    .02    .00       2.   *   1   2230  226   .00   .00   .00      3.
   1   1030  106    .03    .02    .00       2.   *   1   2236  227   .00   .00   .00      3.
   1   1036  107    .03    .02    .01       2.   *   1   2242  228   .00   .00   .00      3.
   1   1042  108    .03    .02    .01       2.   *   1   2248  229   .00   .00   .00      3.
   1   1048  109    .03    .02    .01       3.   *   1   2254  230   .00   .00   .00      3.
   1   1054  110    .03    .02    .01       3.   *   1   2300  231   .00   .00   .00      2.
   1   1100  111    .03    .03    .01       3.   *   1   2306  232   .00   .00   .00      2.
   1   1106  112    .03    .03    .01       4.   *   1   2312  233   .00   .00   .00      2.
   1   1112  113    .03    .02    .01       4.   *   1   2318  234   .00   .00   .00      2.
   1   1118  114    .04    .03    .01       5.   *   1   2324  235   .00   .00   .00      2.
   1   1124  115    .05    .03    .01       5.   *   1   2330  236   .00   .00   .00      2.
   1   1130  116    .05    .03    .02       6.   *   1   2336  237   .00   .00   .00      2.
   1   1136  117    .06    .04    .02       7.   *   1   2342  238   .00   .00   .00      2.
   1   1142  118    .07    .04    .03       8.   *   1   2348  239   .00   .00   .00      2.
   1   1148  119    .15    .09    .06      10.   *   1   2354  240   .00   .00   .00      2.
   1   1154  120    .23    .12    .10      13.   *   2   0000  241   .00   .00   .00      2.
   1   1200  121    .36    .17    .19      20.   *
                                                 *
*********************************************************************************************************

    TOTAL RAINFALL =    4.30, TOTAL LOSS =    2.25, TOTAL EXCESS =    2.05

  PEAK FLOW      TIME                         MAXIMUM AVERAGE FLOW
                                      6-HR        24-HR        72-HR        24.00-HR
+   (CFS)        (HR)
                             (CFS)
+     83.        12.50                  20.          6.           6.           6.
                           (INCHES)    1.680       2.033        2.033        2.033
                           (AC-FT)      10.         12.          12.          12.

                           CUMULATIVE AREA =    .11 SQ MI

1                                                     STATION     SUB A

                          (O) OUTFLOW
           0.        10.        20.        30.        40.        50.        60.        70.        80.        90.        0.         0.         0.
                                                                                                               (L) PRECIP,   (X) EXCESS
           .0         .0         .0         .0         .0         .0         .0         .0         .4         .3         .2         .1         .0
 DAHRMN PER
  10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
  10006   20         .         .         .         .         .         .         .         .         .         .         .         .
  10012   30         .         .         .         .         .         .         .         .         .         .         .         .
  10018   40         .         .         .         .         .         .         .         .         .         .         .         .
  10024   50         .         .         .         .         .         .         .         .         .         .         .         .
  10030   60         .         .         .         .         .         .         .         .         .         .         .         .
  10036   70         .         .         .         .         .         .         .         .         .         .         .         .
  10042   80         .         .         .         .         .         .         .         .         .         .         .         .
  10048   90         .         .         .         .         .         .         .         .         .         .         .         .
  10054  100         .         .         .         .         .         .         .         .         .         .         .         .
  10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10106  120         .         .         .         .         .         .         .         .         .         .         .         .
  10112  130         .         .         .         .         .         .         .         .         .         .         .         .
  10118  140         .         .         .         .         .         .         .         .         .         .         .         .
  10124  150         .         .         .         .         .         .         .         .         .         .         .         .
  10130  160         .         .         .         .         .         .         .         .         .         .         .         .
  10136  170         .         .         .         .         .         .         .         .         .         .         .         .
  10142  180         .         .         .         .         .         .         .         .         .         .         .         .
  10148  190         .         .         .         .         .         .         .         .         .         .         .         .
  10154  200         .         .         .         .         .         .         .         .         .         .         .         .
  10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10206  220         .         .         .         .         .         .         .         .         .         .         .         .
  10212  230         .         .         .         .         .         .         .         .         .         .         .         .
  10218  240         .         .         .         .         .         .         .         .         .         .         .         .
  10224  250         .         .         .         .         .         .         .         .         .         .         .         .
  10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
  10236  270         .         .         .         .         .         .         .         .         .         .         .         .
  10242  280         .         .         .         .         .         .         .         .         .         .         .         .
  10248  290         .         .         .         .         .         .         .         .         .         .         .         .
  10254  300         .         .         .         .         .         .         .         .         .         .         .         .
  10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10306  320         .         .         .         .         .         .         .         .         .         .         .         .
  10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
  10318  340         .         .         .         .         .         .         .         .         .         .         .         .
  10324  350         .         .         .         .         .         .         .         .         .         .         .         .
  10330  360         .         .         .         .         .         .         .         .         .         .         .         .
  10336  370         .         .         .         .         .         .         .         .         .         .         .         .
  10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
  10348  390         .         .         .         .         .         .         .         .         .         .         .         .
  10354  400         .         .         .         .         .         .         .         .         .         .         .         .
  10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
  10412  430         .         .         .         .         .         .         .         .         .         .         .         .
  10418  440         .         .         .         .         .         .         .         .         .         .         .         .
  10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
  10430  460         .         .         .         .         .         .         .         .         .         .         .         .
  10436  470         .         .         .         .         .         .         .         .         .         .         .         .
  10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
  10448  490         .         .         .         .         .         .         .         .         .         .         .         .
  10454  500         .         .         .         .         .         .         .         .         .         .         .         .
  10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
  10506  520         .         .         .         .         .         .         .         .         .         .         .         .
  10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
  10518  540         .         .         .         .         .         .         .         .         .         .         .         .
  10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
  10530  560         .         .         .         .         .         .         .         .         .         .         .         .
  10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
  10542  580         .         .         .         .         .         .         .         .         .         .         .         .
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10548	590	L.
10554	600	.
10600	610	.L.
10606	620	L.
10612	630	.
10618	640	L.
10624	650	L.
10630	660	.
10636	670	L.
10642	680	L.
10648	690	.
10654	700	L.
10700	710	.L.
10706	720	L.
10712	730	L.
10718	740	L.
10724	750	L.
10730	760	L.
10736	770	L.
10742	780	L.
10748	790	L.
10754	800	L.
10800	810	.L.
10806	820	L.
10812	830	L.
10818	840	L.
10824	850	L.
10830	860	L.
10836	870	LL.
10842	880	L.
10848	890	L.
10854	900	LL.
10900	910	LL.
10906	920	L.
10912	930	LL.
10918	940	LL.
10924	950	LL.
10930	960	LL.
10936	970	LL.
10942	980	LL.
10948	99.0	LL.
10954	100.0	LL.
11000	101.0	LL.
11006	102.0	LL.
11012	103.0	LL.
11018	104.0	LLL.
11024	105.	LL.
11030	106.	LLL.
11036	107.	LLX.
11042	108.	LLX.
11048	109.	LLX.
11054	110.	LLX.
11100	111.	.LLX.
11106	112.	LLX.
11112	113.	LLX.
11118	114.	LLLX.
11124	115.	LLLLX.
11130	116.	LLLXX.
11136	117.	LLLLXX.
11142	118.	LLLLXXX.
11148	119.	LLLLLLLLLXXXXXX.
11154	120.	LLLLLLLLLLLLLXXXXXXXXXX.
11200	121.	LLLLLLLLLLLLLLLLLXXXXXXXXXXXXXXXXXXXX.
11206	122.	LLLLLLLLLLLLLLXXXXXXXXXXXXXXXXXXXXXXX.
11212	123.	LLLLLLLLXXXXXXXXXXXXXXX.
11218	124.	LLLLLXXXXXXXXXXX.
11224	125.	LLXXXXX.
11230	126.	LLXXXX.
11236	127.	LXXXX.
11242	128.	LLXXX.
11248	129.	LXXX.
11254	130.	LXXX.
11300	131.	.LXX.
11306	132.	LXX.
11312	133.	LXX.
11318	134.	LXX.
11324	135.	LXX.
11330	136.	LXX.
11336	137.	XX.
11342	138.	LXX.
11348	139.	XX.
11354	140.	XX.
11400	141.	XX.
11406	142.	XX.
11412	143.	XX.
11418	144.	LX.
11424	145.	LX.
11430	146.	XX.
11436	147.	LX.
11442	148.	LX.
11448	149.	X.
11454	150.	LX.
11500	151.	LX.
11506	152.	LX.
11512	153.	X.
11518	154.	LX.
11524	155.	X.
11530	156.	X.
11536	157.	LX.
11542	158.	X.
11548	159.	X.
11554	160.	X.
11600	161.	.X.
11606	162.	X.
11612	163.	X.
11618	164.	X.

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11624 165.      O  .         .         .         .         .         .         .         .         .         .         .       X.
11630 166.      O  .         .         .         .         .         .         .         .         .         .         .       X.
11636 167.      O  .         .         .         .         .         .         .         .         .         .         .       X.
11642 168.      O  .         .         .         .         .         .         .         .         .         .         .       X.
11648 169.      O  .         .         .         .         .         .         .         .         .         .         .       X.
11654 170.      O  .         .         .         .         .         .         .         .         .         .         .       X.
11700 171. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.     O   .         .         .         .         .         .         .         .         .         .         .       X.
11712 173.    O    .         .         .         .         .         .         .         .         .         .         .       X.
11718 174.    O    .         .         .         .         .         .         .         .         .         .         .       X.
11724 175.    O    .         .         .         .         .         .         .         .         .         .         .       X.
11730 176.    O    .         .         .         .         .         .         .         .         .         .         .        .
11736 177.    O    .         .         .         .         .         .         .         .         .         .         .       X.
11742 178.   O     .         .         .         .         .         .         .         .         .         .         .       X.
11748 179.   O     .         .         .         .         .         .         .         .         .         .         .        .
11754 180.   O     .         .         .         .         .         .         .         .         .         .         .       X.
11800 181. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.   O     .         .         .         .         .         .         .         .         .         .         .        .
11812 183.   O     .         .         .         .         .         .         .         .         .         .         .       X.
11818 184.   O     .         .         .         .         .         .         .         .         .         .         .        .
11824 185.   O     .         .         .         .         .         .         .         .         .         .         .       X.
11830 186.   O     .         .         .         .         .         .         .         .         .         .         .        .
11836 187.   O     .         .         .         .         .         .         .         .         .         .         .       X.
11842 188.   O     .         .         .         .         .         .         .         .         .         .         .        .
11848 189.   O     .         .         .         .         .         .         .         .         .         .         .       X.
11854 190.   O     .         .         .         .         .         .         .         .         .         .         .        .
11900 191. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.   O     .         .         .         .         .         .         .         .         .         .         .        .
11912 193.   O     .         .         .         .         .         .         .         .         .         .         .        .
11918 194.   O     .         .         .         .         .         .         .         .         .         .         .       X.
11924 195.  O      .         .         .         .         .         .         .         .         .         .         .        .
11930 196.  O      .         .         .         .         .         .         .         .         .         .         .       X.
11936 197.  O      .         .         .         .         .         .         .         .         .         .         .        .
11942 198.  O      .         .         .         .         .         .         .         .         .         .         .        .
11948 199.  O      .         .         .         .         .         .         .         .         .         .         .       X.
11954 200.  O      .         .         .         .         .         .         .         .         .         .         .        .
12000 201. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  O      .         .         .         .         .         .         .         .         .         .         .        .
12012 203.  O      .         .         .         .         .         .         .         .         .         .         .       X.
12018 204.  O      .         .         .         .         .         .         .         .         .         .         .        .
12024 205.  O      .         .         .         .         .         .         .         .         .         .         .        .
12030 206.  O      .         .         .         .         .         .         .         .         .         .         .        .
12036 207.  O      .         .         .         .         .         .         .         .         .         .         .       X.
12042 208.  O      .         .         .         .         .         .         .         .         .         .         .        .
12048 209.  O      .         .         .         .         .         .         .         .         .         .         .        .
12054 210.  O      .         .         .         .         .         .         .         .         .         .         .        .
12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  O      .         .         .         .         .         .         .         .         .         .         .       X.
12112 213.  O      .         .         .         .         .         .         .         .         .         .         .        .
12118 214.  O      .         .         .         .         .         .         .         .         .         .         .        .
12124 215.  O      .         .         .         .         .         .         .         .         .         .         .        .
12130 216.  O      .         .         .         .         .         .         .         .         .         .         .        .
12136 217.  O      .         .         .         .         .         .         .         .         .         .         .        .
12142 218.  O      .         .         .         .         .         .         .         .         .         .         .        .
12148 219.  O      .         .         .         .         .         .         .         .         .         .         .        .
12154 220.  O      .         .         .         .         .         .         .         .         .         .         .        .
12200 221. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222.  O      .         .         .         .         .         .         .         .         .         .         .        .
12212 223.  O      .         .         .         .         .         .         .         .         .         .         .        .
12218 224.  O      .         .         .         .         .         .         .         .         .         .         .        .
12224 225.  O      .         .         .         .         .         .         .         .         .         .         .        .
12230 226.  O      .         .         .         .         .         .         .         .         .         .         .        .
12236 227.  O      .         .         .         .         .         .         .         .         .         .         .        .
12242 228.  O      .         .         .         .         .         .         .         .         .         .         .        .
12248 229.  O      .         .         .         .         .         .         .         .         .         .         .        .
12254 230.  O      .         .         .         .         .         .         .         .         .         .         .        .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O       .         .         .         .         .         .         .         .         .         .         .        .
12312 233. O       .         .         .         .         .         .         .         .         .         .         .        .
12318 234. O       .         .         .         .         .         .         .         .         .         .         .        .
12324 235. O       .         .         .         .         .         .         .         .         .         .         .        .
12330 236. O       .         .         .         .         .         .         .         .         .         .         .        .
12336 237. O       .         .         .         .         .         .         .         .         .         .         .        .
12342 238. O       .         .         .         .         .         .         .         .         .         .         .        .
12348 239. O       .         .         .         .         .         .         .         .         .         .         .        .
12354 240. O       .         .         .         .         .         .         .         .         .         .         .        .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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                                           HYDROGRAPH AT STATION     SUB A
                                                PLAN 1,    RATIO =   .63

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.42	.14	.28	43.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.27	.08	.19	65.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.17	.05	.13	86.
1		0018	4	.00	.00	.00	0.	*	1		1224	125	.08	.02	.06	101.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.07	.02	.05	106.
1		0030	6	.00	.00	.00	0.	*	1		1236	127	.06	.02	.04	101.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.06	.01	.04	89.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.05	.01	.03	76.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.04	.01	.03	63.
1		0054	10	.00	.00	.00	0.	*	1		1300	131	.04	.01	.03	53.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.04	.01	.03	45.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.04	.01	.03	39.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.03	.01	.02	34.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.03	.01	.03	30.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.03	.01	.02	27.
1		0130	16	.00	.00	.00	0.	*	1		1336	137	.02	.01	.02	24.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.03	.01	.02	22.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.02	.01	.02	21.

1	0148	19	.00	.00	.00	0.	*	1	1354	140	.02	.01	.02	19.
1	0154	20	.01	.01	.00	0.	*	1	1400	141	.02	.01	.02	18.
1	0200	21	.01	.01	.00	0.	*	1	1406	142	.02	.01	.02	17.
1	0206	22	.01	.01	.00	0.	*	1	1412	143	.02	.01	.02	16.
1	0212	23	.01	.01	.00	0.	*	1	1418	144	.02	.00	.02	15.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.02	.00	.02	15.
1	0224	25	.01	.01	.00	0.	*	1	1430	146	.02	.01	.02	14.
1	0230	26	.01	.01	.00	0.	*	1	1436	147	.02	.00	.02	14.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.02	.00	.02	13.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.00	.01	13.
1	0248	29	.00	.00	.00	0.	*	1	1454	150	.02	.00	.02	12.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.02	.00	.02	12.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.02	.00	.02	12.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.00	.01	11.
1	0312	33	.01	.01	.00	0.	*	1	1518	154	.02	.00	.02	11.
1	0318	34	.00	.00	.00	0.	*	1	1524	155	.01	.00	.01	11.
1	0324	35	.00	.00	.00	0.	*	1	1530	156	.02	.00	.01	11.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.02	.00	.02	10.
1	0336	37	.00	.00	.00	0.	*	1	1542	158	.01	.00	.01	10.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.02	.00	.01	10.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.01	10.
1	0354	40	.00	.00	.00	0.	*	1	1600	161	.01	.00	.01	10.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.01	9.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.02	.00	.01	9.
1	0412	43	.00	.00	.00	0.	*	1	1618	164	.01	.00	.01	9.
1	0418	44	.00	.00	.00	0.	*	1	1624	165	.02	.00	.01	9.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	9.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.01	9.
1	0436	47	.00	.00	.00	0.	*	1	1642	168	.02	.00	.01	8.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	8.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.01	.00	.01	8.
1	0454	50	.00	.00	.00	0.	*	1	1700	171	.00	.00	.00	8.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	7.
1	0506	52	.00	.00	.00	0.	*	1	1712	173	.01	.00	.01	7.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	6.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.01	.00	.01	6.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.00	.00	.00	6.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.01	.00	.01	6.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	5.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.00	.00	.00	5.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	5.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.01	.00	.01	5.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.00	.00	.00	5.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	5.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.00	5.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	5.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.00	.00	.00	5.
1	0630	66	.00	.00	.00	0.	*	1	1836	187	.01	.00	.01	5.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.00	.00	.00	5.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	4.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.00	.00	.00	4.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	4.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.00	.00	.00	4.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.00	.00	.00	4.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	4.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.00	.00	.00	4.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	4.
1	0730	76	.01	.01	.00	0.	*	1	1936	197	.01	.00	.00	4.
1	0736	77	.01	.01	.00	0.	*	1	1942	198	.00	.00	.00	4.
1	0742	78	.01	.01	.00	0.	*	1	1948	199	.01	.00	.01	4.
1	0748	79	.01	.01	.00	0.	*	1	1954	200	.00	.00	.00	4.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.00	4.
1	0800	81	.01	.01	.00	0.	*	1	2006	202	.00	.00	.00	4.
1	0806	82	.01	.01	.00	0.	*	1	2012	203	.01	.00	.01	4.
1	0812	83	.01	.01	.00	0.	*	1	2018	204	.01	.00	.00	4.
1	0818	84	.01	.01	.00	0.	*	1	2024	205	.00	.00	.00	4.
1	0824	85	.02	.01	.00	0.	*	1	2030	206	.00	.00	.00	4.
1	0830	86	.01	.01	.00	0.	*	1	2036	207	.01	.00	.01	4.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.01	.00	.00	4.
1	0842	88	.01	.01	.00	0.	*	1	2048	209	.00	.00	.00	4.
1	0848	89	.02	.01	.00	0.	*	1	2054	210	.00	.00	.00	4.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.00	.00	.00	4.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	4.
1	0906	92	.01	.01	.00	1.	*	1	2112	213	.00	.00	.00	4.
1	0912	93	.02	.02	.00	1.	*	1	2118	214	.00	.00	.00	4.
1	0918	94	.02	.02	.00	1.	*	1	2124	215	.00	.00	.00	4.
1	0924	95	.02	.02	.00	1.	*	1	2130	216	.01	.00	.00	4.
1	0930	96	.02	.02	.00	1.	*	1	2136	217	.00	.00	.00	3.
1	0936	97	.02	.02	.00	1.	*	1	2142	218	.00	.00	.00	3.
1	0942	98	.02	.02	.00	1.	*	1	2148	219	.00	.00	.00	3.
1	0948	99	.02	.02	.00	2.	*	1	2154	220	.00	.00	.00	3.
1	0954	100	.02	.02	.00	2.	*	1	2200	221	.01	.00	.01	3.
1	1000	101	.02	.02	.00	2.	*	1	2206	222	.00	.00	.00	3.
1	1006	102	.03	.02	.01	2.	*	1	2212	223	.00	.00	.00	3.
1	1012	103	.02	.02	.01	2.	*	1	2218	224	.01	.00	.00	3.
1	1018	104	.03	.02	.01	3.	*	1	2224	225	.00	.00	.00	3.
1	1024	105	.02	.02	.01	3.	*	1	2230	226	.00	.00	.00	3.
1	1030	106	.03	.02	.01	3.	*	1	2236	227	.00	.00	.00	3.
1	1036	107	.03	.02	.01	4.	*	1	2242	228	.00	.00	.00	3.
1	1042	108	.03	.02	.01	4.	*	1	2248	229	.01	.00	.00	3.
1	1048	109	.03	.02	.01	4.	*	1	2254	230	.00	.00	.00	3.
1	1054	110	.03	.02	.01	5.	*	1	2300	231	.00	.00	.00	3.
1	1100	111	.04	.03	.01	5.	*	1	2306	232	.00	.00	.00	3.
1	1106	112	.04	.03	.01	6.	*	1	2312	233	.00	.00	.00	3.
1	1112	113	.04	.03	.01	6.	*	1	2318	234	.01	.00	.00	3.
1	1118	114	.05	.03	.02	7.	*	1	2324	235	.00	.00	.00	3.
1	1124	115	.06	.03	.02	8.	*	1	2330	236	.00	.00	.00	3.
1	1130	116	.06	.03	.02	9.	*	1	2336	237	.00	.00	.00	3.
1	1136	117	.07	.04	.03	10.	*	1	2342	238	.01	.00	.00	3.
1	1142	118	.08	.04	.04	12.	*	1	2348	239	.00	.00	.00	3.
1	1148	119	.17	.09	.08	14.	*	1	2354	240	.00	.00	.00	3.
1	1154	120	.27	.13	.14	19.	*	2	0000	241	.00	.00	.00	3.
1	1200	121	.42	.17	.25	28.	*							
							*							

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CALIFONHYDROLOGY

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       TOTAL RAINFALL =     5.00, TOTAL LOSS =     2.38, TOTAL EXCESS =     2.62

     PEAK FLOW       TIME                             MAXIMUM AVERAGE FLOW
                                            6-HR          24-HR          72-HR        24.00-HR
 +    (CFS)          (HR)
                                  (CFS)
 +      106.         12.50                    25.             8.             8.             8.
                                (INCHES)     2.142          2.603          2.603          2.603
                                (AC-FT)        13.            15.            15.            15.

                                CUMULATIVE AREA =       .11 SQ MI
1
                                                                 STATION     SUB A

                                (O) OUTFLOW
           0.          20.         40.          60.          80.         100.        120.         0.          0.          0.           0.           0.          0.
                                                                                                                             (L) PRECIP,  (X) EXCESS
           .0          .0          .0           .0           .0          .0          .0           .0          .0          .6           .4           .2          .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
 10530  560         .         .         .         .         .         .         .         .         .         .         .         .
 10536  570         .         .         .         .         .         .         .         .         .         .         .         .
 10542  580         .         .         .         .         .         .         .         .         .         .         .         .
 10548  590         .         .         .         .         .         .         .         .         .         .         .         .
 10554  600         .         .         .         .         .         .         .         .         .         .         .         .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
 10612  630         .         .         .         .         .         .         .         .         .         .         .         .
 10618  640         .         .         .         .         .         .         .         .         .         .         .         .
 10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
 10630  660         .         .         .         .         .         .         .         .         .         .         .         .
 10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
 10642  680         .         .         .         .         .         .         .         .         .         .         .         .
 10648  690         .         .         .         .         .         .         .         .         .         .         .         .
 10654  700         .         .         .         .         .         .         .         .         .         .         .         .
 10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10706  720         .         .         .         .         .         .         .         .         .         .         .         .
 10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
 10718  740         .         .         .         .         .         .         .         .         .         .         .         .
 10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
 10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
 10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
 10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
 10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
 10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
 10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
 10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
 10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
 10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
 10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
 10836  870         .         .         .         .         .         .         .         .         .         .         .        L.
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10842   880         .         .         .         .         .         .         .         .         .         .         .        L.
10848   890         .         .         .         .         .         .         .         .         .         .         .        L.
10854   900         .         .         .         .         .         .         .         .         .         .         .        L.
10900   910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906   920         .         .         .         .         .         .         .         .         .         .         .        L.
10912   930         .         .         .         .         .         .         .         .         .         .         .        L.
10918   940         .         .         .         .         .         .         .         .         .         .         .        L.
10924   950         .         .         .         .         .         .         .         .         .         .         .        L.
10930  96.O         .         .         .         .         .         .         .         .         .         .         .        L.
10936  97.O         .         .         .         .         .         .         .         .         .         .         .        L.
10942  98.O         .         .         .         .         .         .         .         .         .         .         .        L.
10948  99.O         .         .         .         .         .         .         .         .         .         .         .        L.
10954 100.O         .         .         .         .         .         .         .         .         .         .         .        L.
11000 101.O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102.O         .         .         .         .         .         .         .         .         .         .         .        L.
11012 103.O         .         .         .         .         .         .         .         .         .         .         .        L.
11018 104.O         .         .         .         .         .         .         .         .         .         .         .        L.
11024 105.O         .         .         .         .         .         .         .         .         .         .         .        L.
11030 106.  O       .         .         .         .         .         .         .         .         .         .         .       LL.
11036 107.  O       .         .         .         .         .         .         .         .         .         .         .        L.
11042 108.  O       .         .         .         .         .         .         .         .         .         .         .        L.
11048 109.  O       .         .         .         .         .         .         .         .         .         .         .       LX.
11054 110.  O       .         .         .         .         .         .         .         .         .         .         .       LX.
11100 111.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11106 112.   O      .         .         .         .         .         .         .         .         .         .         .       LX.
11112 113.   O      .         .         .         .         .         .         .         .         .         .         .       LX.
11118 114.    O     .         .         .         .         .         .         .         .         .         .         .       LX.
11124 115.    O     .         .         .         .         .         .         .         .         .         .         .      LLX.
11130 116.    O     .         .         .         .         .         .         .         .         .         .         .      LLX.
11136 117.     O    .         .         .         .         .         .         .         .         .         .         .      LLX.
11142 118.      O   .         .         .         .         .         .         .         .         .         .         .     LLXX.
11148 119.       O  .         .         .         .         .         .         .         .         .         .         .LLLLLXXXX.
11154 120.         O.         .         .         .         .         .         .         .         .         .      LLLLLLXXXXXXX.
11200 121.  . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLLLLLLLLXXXXXXXXXXXXX.
11206 122.          .         . O       .         .         .         .         .         .         .       LLLLLLLXXXXXXXXXXXXXXX.
11212 123.          .         .         . O       .         .         .         .         .         .         .     LLLLLXXXXXXXXX.
11218 124.          .         .         .         .  O      .         .         .         .         .         .         .LLLXXXXXX.
11224 125.          .         .         .         .         .O        .         .         .         .         .         .     LXXX.
11230 126.          .         .         .         .         .  O      .         .         .         .         .         .      LXX.
11236 127.          .         .         .         .         .O        .         .         .         .         .         .      LXX.
11242 128.          .         .         .         .    O    .         .         .         .         .         .         .      LXX.
11248 129.          .         .       O .         .         .         .         .         .         .         .         .       XX.
11254 130.          .         .         . O       .         .         .         .         .         .         .         .       XX.
11300 131.  . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11306 132.          .         .  O      .         .         .         .         .         .         .         .         .       LX.
11312 133.          .        O.         .         .         .         .         .         .         .         .         .       XX.
11318 134.          .      O  .         .         .         .         .         .         .         .         .         .       LX.
11324 135.          .    O    .         .         .         .         .         .         .         .         .         .       LX.
11330 136.          .  O      .         .         .         .         .         .         .         .         .         .       LX.
11336 137.          . O       .         .         .         .         .         .         .         .         .         .        X.
11342 138.          .O        .         .         .         .         .         .         .         .         .         .        X.
11348 139.          O         .         .         .         .         .         .         .         .         .         .        X.
11354 140.          O         .         .         .         .         .         .         .         .         .         .        X.
11400 141.  . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11406 142.        O .         .         .         .         .         .         .         .         .         .         .        X.
11412 143.        O .         .         .         .         .         .         .         .         .         .         .        X.
11418 144.        O .         .         .         .         .         .         .         .         .         .         .        X.
11424 145.       O  .         .         .         .         .         .         .         .         .         .         .        X.
11430 146.       O  .         .         .         .         .         .         .         .         .         .         .        X.
11436 147.       O  .         .         .         .         .         .         .         .         .         .         .        X.
11442 148.       O  .         .         .         .         .         .         .         .         .         .         .        X.
11448 149.      O   .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.      O   .         .         .         .         .         .         .         .         .         .         .        X.
11500 151.  . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.      O   .         .         .         .         .         .         .         .         .         .         .        X.
11512 153.      O   .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.      O   .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11600 161.  . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.     O    .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.    O     .         .         .         .         .         .         .         .         .         .         .         .
11636 167.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.    O     .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.    O     .         .         .         .         .         .         .         .         .         .         .         .
11654 170.    O     .         .         .         .         .         .         .         .         .         .         .        L.
11700 171.  . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.    O     .         .         .         .         .         .         .         .         .         .         .         .
11712 173.   O      .         .         .         .         .         .         .         .         .         .         .        L.
11718 174.   O      .         .         .         .         .         .         .         .         .         .         .         .
11724 175.   O      .         .         .         .         .         .         .         .         .         .         .        L.
11730 176.   O      .         .         .         .         .         .         .         .         .         .         .         .
11736 177.   O      .         .         .         .         .         .         .         .         .         .         .         .
11742 178.   O      .         .         .         .         .         .         .         .         .         .         .        L.
11748 179.   O      .         .         .         .         .         .         .         .         .         .         .         .
11754 180.   O      .         .         .         .         .         .         .         .         .         .         .         .
11800 181.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11806 182.  O       .         .         .         .         .         .         .         .         .         .         .         .
11812 183.  O       .         .         .         .         .         .         .         .         .         .         .         .
11818 184.  O       .         .         .         .         .         .         .         .         .         .         .         .
11824 185.  O       .         .         .         .         .         .         .         .         .         .         .         .
11830 186.  O       .         .         .         .         .         .         .         .         .         .         .         .
11836 187.  O       .         .         .         .         .         .         .         .         .         .         .        L.
11842 188.  O       .         .         .         .         .         .         .         .         .         .         .         .
11848 189.  O       .         .         .         .         .         .         .         .         .         .         .         .
11854 190.  O       .         .         .         .         .         .         .         .         .         .         .         .
11900 191.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11906 192.  O       .         .         .         .         .         .         .         .         .         .         .         .
11912 193.  O       .         .         .         .         .         .         .         .         .         .         .         .
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 11918 194. O      .         .         .         .         .         .         .         .         .         .         .         .      L.
 11924 195. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 11930 196. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 11936 197. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 11942 198. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 11948 199. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 11954 200. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12006 202. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12012 203. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12018 204. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12024 205. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12030 206. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12036 207. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12042 208. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12048 209. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12054 210. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12106 212. O      .         .         .         .         .         .         .         .         .         .         .         .      L.
 12112 213. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12118 214. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12124 215. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12130 216. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12136 217. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12142 218. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12148 219. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12154 220. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 12206 222. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12212 223. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12218 224. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12224 225. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12230 226. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12236 227. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12242 228. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12248 229. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12254 230. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12306 232. O      .         .         .         .         .         .         .         .         .         .         .         .       .
 12312 233.O       .         .         .         .         .         .         .         .         .         .         .         .       .
 12318 234.O       .         .         .         .         .         .         .         .         .         .         .         .       .
 12324 235.O       .         .         .         .         .         .         .         .         .         .         .         .       .
 12330 236.O       .         .         .         .         .         .         .         .         .         .         .         .       .
 12336 237.O       .         .         .         .         .         .         .         .         .         .         .         .       .
 12342 238.O       .         .         .         .         .         .         .         .         .         .         .         .       .
 12348 239.O       .         .         .         .         .         .         .         .         .         .         .         .       .
 12354 240.O       .         .         .         .         .         .         .         .         .         .         .         .       .
 20000 241.O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.-------.
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HYDROGRAPH AT STATION SUB A
PLAN 1, RATIO = .76

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.51	.14	.37	62.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.33	.08	.25	90.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.21	.05	.17	119.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.10	.02	.08	139.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.08	.02	.06	145.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.07	.01	.06	137.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.07	.01	.05	121.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.05	.01	.04	102.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.05	.01	.04	85.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.05	.01	.04	71.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.04	.01	.03	60.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.05	.01	.04	51.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.04	.01	.03	45.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.04	.01	.04	40.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.04	.01	.03	35.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.03	.01	.03	32.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.04	.01	.03	29.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.03	.01	.03	27.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.03	.01	.03	25.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.03	.01	.03	23.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.03	.01	.03	22.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.03	.00	.03	21.
1		0212	23	.01	.01	.00	0.	*	1		1418	144	.02	.00	.02	20.
1		0218	24	.01	.01	.00	0.	*	1		1424	145	.02	.00	.02	19.
1		0224	25	.01	.01	.00	0.	*	1		1430	146	.03	.00	.03	18.
1		0230	26	.01	.01	.00	0.	*	1		1436	147	.02	.00	.02	18.
1		0236	27	.01	.01	.00	0.	*	1		1442	148	.02	.00	.02	17.
1		0242	28	.01	.01	.00	0.	*	1		1448	149	.02	.00	.02	17.
1		0248	29	.01	.01	.00	0.	*	1		1454	150	.02	.00	.02	16.
1		0254	30	.01	.01	.00	0.	*	1		1500	151	.02	.00	.02	15.
1		0300	31	.01	.01	.00	0.	*	1		1506	152	.02	.00	.02	15.
1		0306	32	.01	.01	.00	0.	*	1		1512	153	.02	.00	.02	15.
1		0312	33	.01	.01	.00	0.	*	1		1518	154	.02	.00	.02	14.
1		0318	34	.01	.01	.00	0.	*	1		1524	155	.02	.00	.02	14.
1		0324	35	.01	.01	.00	0.	*	1		1530	156	.02	.00	.02	14.
1		0330	36	.01	.01	.00	0.	*	1		1536	157	.02	.00	.02	13.
1		0336	37	.01	.01	.00	0.	*	1		1542	158	.02	.00	.02	13.
1		0342	38	.01	.01	.00	0.	*	1		1548	159	.02	.00	.02	13.
1		0348	39	.01	.01	.00	0.	*	1		1554	160	.02	.00	.02	13.
1		0354	40	.01	.01	.00	0.	*	1		1600	161	.02	.00	.02	12.
1		0400	41	.01	.01	.00	0.	*	1		1606	162	.02	.00	.02	12.
1		0406	42	.01	.01	.00	0.	*	1		1612	163	.02	.00	.02	12.
1		0412	43	.01	.01	.00	0.	*	1		1618	164	.02	.00	.02	12.
1		0418	44	.01	.01	.00	0.	*	1		1624	165	.02	.00	.02	11.
1		0424	45	.01	.01	.00	0.	*	1		1630	166	.01	.00	.01	11.
1		0430	46	.01	.01	.00	0.	*	1		1636	167	.02	.00	.02	11.
1		0436	47	.01	.01	.00	0.	*	1		1642	168	.02	.00	.02	11.

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 1   0442   48   .01   .01   .00      0.    *    1   1648  169   .01   .00   .01    11.
 1   0448   49   .01   .01   .00      0.    *    1   1654  170   .01   .00   .01    10.
 1   0454   50   .01   .01   .00      0.    *    1   1700  171   .01   .00   .01    10.
 1   0500   51   .01   .01   .00      0.    *    1   1706  172   .01   .00   .01     9.
 1   0506   52   .01   .01   .00      0.    *    1   1712  173   .01   .00   .01     9.
 1   0512   53   .01   .01   .00      0.    *    1   1718  174   .01   .00   .01     8.
 1   0518   54   .01   .01   .00      0.    *    1   1724  175   .01   .00   .01     8.
 1   0524   55   .01   .01   .00      0.    *    1   1730  176   .01   .00   .01     7.
 1   0530   56   .01   .01   .00      0.    *    1   1736  177   .01   .00   .01     7.
 1   0536   57   .01   .01   .00      0.    *    1   1742  178   .01   .00   .01     7.
 1   0542   58   .01   .01   .00      0.    *    1   1748  179   .01   .00   .01     7.
 1   0548   59   .01   .01   .00      0.    *    1   1754  180   .01   .00   .01     7.
 1   0554   60   .01   .01   .00      0.    *    1   1800  181   .01   .00   .01     7.
 1   0600   61   .01   .01   .00      0.    *    1   1806  182   .01   .00   .01     6.
 1   0606   62   .01   .01   .00      0.    *    1   1812  183   .01   .00   .01     6.
 1   0612   63   .01   .01   .00      0.    *    1   1818  184   .01   .00   .01     6.
 1   0618   64   .01   .01   .00      0.    *    1   1824  185   .01   .00   .01     6.
 1   0624   65   .01   .01   .00      0.    *    1   1830  186   .01   .00   .01     6.
 1   0630   66   .01   .01   .00      0.    *    1   1836  187   .01   .00   .01     6.
 1   0636   67   .01   .01   .00      0.    *    1   1842  188   .01   .00   .01     6.
 1   0642   68   .01   .01   .00      0.    *    1   1848  189   .01   .00   .01     6.
 1   0648   69   .01   .01   .00      0.    *    1   1854  190   .01   .00   .01     6.
 1   0654   70   .01   .01   .00      0.    *    1   1900  191   .01   .00   .01     6.
 1   0700   71   .01   .01   .00      0.    *    1   1906  192   .01   .00   .01     6.
 1   0706   72   .01   .01   .00      0.    *    1   1912  193   .01   .00   .01     6.
 1   0712   73   .01   .01   .00      0.    *    1   1918  194   .01   .00   .01     5.
 1   0718   74   .01   .01   .00      0.    *    1   1924  195   .01   .00   .01     5.
 1   0724   75   .01   .01   .00      0.    *    1   1930  196   .01   .00   .01     5.
 1   0730   76   .02   .02   .00      0.    *    1   1936  197   .01   .00   .01     5.
 1   0736   77   .02   .02   .00      0.    *    1   1942  198   .01   .00   .01     5.
 1   0742   78   .02   .02   .00      0.    *    1   1948  199   .01   .00   .01     5.
 1   0748   79   .02   .02   .00      0.    *    1   1954  200   .01   .00   .01     5.
 1   0754   80   .02   .02   .00      0.    *    1   2000  201   .01   .00   .01     5.
 1   0800   81   .02   .02   .00      0.    *    1   2006  202   .01   .00   .01     5.
 1   0806   82   .02   .02   .00      0.    *    1   2012  203   .01   .00   .01     5.
 1   0812   83   .02   .02   .00      0.    *    1   2018  204   .01   .00   .01     5.
 1   0818   84   .02   .02   .00      1.    *    1   2024  205   .01   .00   .01     5.
 1   0824   85   .02   .02   .00      1.    *    1   2030  206   .01   .00   .01     5.
 1   0830   86   .02   .02   .00      1.    *    1   2036  207   .01   .00   .01     5.
 1   0836   87   .02   .02   .00      1.    *    1   2042  208   .01   .00   .01     5.
 1   0842   88   .02   .02   .00      1.    *    1   2048  209   .01   .00   .01     5.
 1   0848   89   .02   .02   .00      1.    *    1   2054  210   .01   .00   .01     5.
 1   0854   90   .02   .02   .00      1.    *    1   2100  211   .01   .00   .01     5.
 1   0900   91   .02   .02   .00      2.    *    1   2106  212   .01   .00   .01     5.
 1   0906   92   .02   .01   .00      2.    *    1   2112  213   .01   .00   .01     5.
 1   0912   93   .02   .02   .00      2.    *    1   2118  214   .01   .00   .01     5.
 1   0918   94   .02   .02   .00      2.    *    1   2124  215   .01   .00   .01     5.
 1   0924   95   .02   .02   .01      2.    *    1   2130  216   .01   .00   .01     5.
 1   0930   96   .02   .02   .01      3.    *    1   2136  217   .01   .00   .01     4.
 1   0936   97   .02   .02   .01      3.    *    1   2142  218   .01   .00   .01     4.
 1   0942   98   .03   .02   .01      3.    *    1   2148  219   .01   .00   .01     4.
 1   0948   99   .02   .02   .01      3.    *    1   2154  220   .01   .00   .01     4.
 1   0954  100   .03   .02   .01      4.    *    1   2200  221   .01   .00   .01     4.
 1   1000  101   .02   .02   .01      4.    *    1   2206  222   .01   .00   .01     4.
 1   1006  102   .03   .02   .01      4.    *    1   2212  223   .01   .00   .01     4.
 1   1012  103   .03   .02   .01      5.    *    1   2218  224   .01   .00   .01     4.
 1   1018  104   .04   .02   .01      5.    *    1   2224  225   .01   .00   .01     4.
 1   1024  105   .03   .02   .01      5.    *    1   2230  226   .01   .00   .01     4.
 1   1030  106   .04   .02   .01      6.    *    1   2236  227   .01   .00   .01     4.
 1   1036  107   .04   .02   .01      6.    *    1   2242  228   .01   .00   .01     4.
 1   1042  108   .04   .02   .01      7.    *    1   2248  229   .01   .00   .01     4.
 1   1048  109   .04   .03   .02      7.    *    1   2254  230   .01   .00   .01     4.
 1   1054  110   .04   .03   .02      8.    *    1   2300  231   .01   .00   .01     4.
 1   1100  111   .05   .03   .02      9.    *    1   2306  232   .01   .00   .01     4.
 1   1106  112   .05   .03   .02     10.    *    1   2312  233   .01   .00   .01     4.
 1   1112  113   .05   .03   .02     10.    *    1   2318  234   .01   .00   .01     4.
 1   1118  114   .06   .03   .03     11.    *    1   2324  235   .01   .00   .01     4.
 1   1124  115   .07   .04   .03     13.    *    1   2330  236   .01   .00   .01     4.
 1   1130  116   .07   .03   .03     14.    *    1   2336  237   .01   .00   .01     4.
 1   1136  117   .09   .04   .04     16.    *    1   2342  238   .01   .00   .01     4.
 1   1142  118   .10   .05   .05     18.    *    1   2348  239   .00   .00   .00     4.
 1   1148  119   .21   .09   .12     21.    *    1   2354  240   .00   .00   .00     4.
 1   1154  120   .32   .13   .20     28.    *    2   0000  241   .01   .00   .01     3.
 1   1200  121   .51   .17   .34     40.    *
                                           *
***************************************************************************************************

   TOTAL RAINFALL =    6.10, TOTAL LOSS =    2.53, TOTAL EXCESS =    3.57

  PEAK FLOW      TIME                        MAXIMUM AVERAGE FLOW
                                    6-HR        24-HR       72-HR       24.00-HR
+   (CFS)        (HR)
                            (CFS)
+    145.        12.50                   34.        10.         10.          10.
                          (INCHES)     2.893       3.541       3.541        3.541
                          (AC-FT)        17.         21.         21.          21.

                          CUMULATIVE AREA =      .11 SQ MI

1                                                     STATION     SUB A

                          (O) OUTFLOW
         0.       20.       40.       60.       80.      100.      120.      140.      160.       0.        0.        0.        0.
                                                                                                      (L) PRECIP,  (X) EXCESS
         .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
 10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9O         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10O         .         .         .         .         .         .         .         .         .         .         .         .
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10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106  120          .         .         .         .         .         .         .         .         .         .         .        .
10112  130          .         .         .         .         .         .         .         .         .         .         .        .
10118  140          .         .         .         .         .         .         .         .         .         .         .        .
10124  150          .         .         .         .         .         .         .         .         .         .         .        .
10130  160          .         .         .         .         .         .         .         .         .         .         .        .
10136  170          .         .         .         .         .         .         .         .         .         .         .        .
10142  180          .         .         .         .         .         .         .         .         .         .         .        .
10148  190          .         .         .         .         .         .         .         .         .         .         .        .
10154  200          .         .         .         .         .         .         .         .         .         .         .        .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220          .         .         .         .         .         .         .         .         .         .         .        .
10212  230          .         .         .         .         .         .         .         .         .         .         .        .
10218  240          .         .         .         .         .         .         .         .         .         .         .        .
10224  250          .         .         .         .         .         .         .         .         .         .         .        .
10230  260          .         .         .         .         .         .         .         .         .         .         .       L.
10236  270          .         .         .         .         .         .         .         .         .         .         .        .
10242  280          .         .         .         .         .         .         .         .         .         .         .        .
10248  290          .         .         .         .         .         .         .         .         .         .         .        .
10254  300          .         .         .         .         .         .         .         .         .         .         .        .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320          .         .         .         .         .         .         .         .         .         .         .        .
10312  330          .         .         .         .         .         .         .         .         .         .         .       L.
10318  340          .         .         .         .         .         .         .         .         .         .         .        .
10324  350          .         .         .         .         .         .         .         .         .         .         .        .
10330  360          .         .         .         .         .         .         .         .         .         .         .        .
10336  370          .         .         .         .         .         .         .         .         .         .         .        .
10342  380          .         .         .         .         .         .         .         .         .         .         .       L.
10348  390          .         .         .         .         .         .         .         .         .         .         .        .
10354  400          .         .         .         .         .         .         .         .         .         .         .        .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420          .         .         .         .         .         .         .         .         .         .         .       L.
10412  430          .         .         .         .         .         .         .         .         .         .         .        .
10418  440          .         .         .         .         .         .         .         .         .         .         .        .
10424  450          .         .         .         .         .         .         .         .         .         .         .       L.
10430  460          .         .         .         .         .         .         .         .         .         .         .        .
10436  470          .         .         .         .         .         .         .         .         .         .         .        .
10442  480          .         .         .         .         .         .         .         .         .         .         .       L.
10448  490          .         .         .         .         .         .         .         .         .         .         .        .
10454  500          .         .         .         .         .         .         .         .         .         .         .        .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520          .         .         .         .         .         .         .         .         .         .         .        .
10512  530          .         .         .         .         .         .         .         .         .         .         .       L.
10518  540          .         .         .         .         .         .         .         .         .         .         .        .
10524  550          .         .         .         .         .         .         .         .         .         .         .       L.
10530  560          .         .         .         .         .         .         .         .         .         .         .        .
10536  570          .         .         .         .         .         .         .         .         .         .         .       L.
10542  580          .         .         .         .         .         .         .         .         .         .         .        .
10548  590          .         .         .         .         .         .         .         .         .         .         .       L.
10554  600          .         .         .         .         .         .         .         .         .         .         .        .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620          .         .         .         .         .         .         .         .         .         .         .       L.
10612  630          .         .         .         .         .         .         .         .         .         .         .        .
10618  640          .         .         .         .         .         .         .         .         .         .         .       L.
10624  650          .         .         .         .         .         .         .         .         .         .         .       L.
10630  660          .         .         .         .         .         .         .         .         .         .         .        .
10636  670          .         .         .         .         .         .         .         .         .         .         .       L.
10642  680          .         .         .         .         .         .         .         .         .         .         .       L.
10648  690          .         .         .         .         .         .         .         .         .         .         .        .
10654  700          .         .         .         .         .         .         .         .         .         .         .       L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720          .         .         .         .         .         .         .         .         .         .         .       L.
10712  730          .         .         .         .         .         .         .         .         .         .         .       L.
10718  740          .         .         .         .         .         .         .         .         .         .         .       L.
10724  750          .         .         .         .         .         .         .         .         .         .         .       L.
10730  760          .         .         .         .         .         .         .         .         .         .         .       L.
10736  770          .         .         .         .         .         .         .         .         .         .         .       L.
10742  780          .         .         .         .         .         .         .         .         .         .         .       L.
10748  790          .         .         .         .         .         .         .         .         .         .         .       L.
10754  800          .         .         .         .         .         .         .         .         .         .         .       L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820          .         .         .         .         .         .         .         .         .         .         .       L.
10812  830          .         .         .         .         .         .         .         .         .         .         .       L.
10818  840          .         .         .         .         .         .         .         .         .         .         .       L.
10824  850          .         .         .         .         .         .         .         .         .         .         .       L.
10830  860          .         .         .         .         .         .         .         .         .         .         .       L.
10836  870          .         .         .         .         .         .         .         .         .         .         .       L.
10842  88.O         .         .         .         .         .         .         .         .         .         .         .       L.
10848  89.O         .         .         .         .         .         .         .         .         .         .         .       L.
10854  90.O         .         .         .         .         .         .         .         .         .         .         .       L.
10900  91.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  92.O         .         .         .         .         .         .         .         .         .         .         .       L.
10912  93.O         .         .         .         .         .         .         .         .         .         .         .       L.
10918  94.O         .         .         .         .         .         .         .         .         .         .         .       L.
10924  95.O         .         .         .         .         .         .         .         .         .         .         .       L.
10930  96.O         .         .         .         .         .         .         .         .         .         .         .       L.
10936  97.O         .         .         .         .         .         .         .         .         .         .         .       L.
10942  98. O        .         .         .         .         .         .         .         .         .         .         .      LL.
10948  99. O        .         .         .         .         .         .         .         .         .         .         .       L.
10954 100. O        .         .         .         .         .         .         .         .         .         .         .      LL.
11000 101. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102. O        .         .         .         .         .         .         .         .         .         .         .      LL.
11012 103. O        .         .         .         .         .         .         .         .         .         .         .      LL.
11018 104.  O       .         .         .         .         .         .         .         .         .         .         .      LX.
11024 105.  O       .         .         .         .         .         .         .         .         .         .         .      LX.
11030 106.  O       .         .         .         .         .         .         .         .         .         .         .      LX.
11036 107.  O       .         .         .         .         .         .         .         .         .         .         .      LX.
11042 108.  O       .         .         .         .         .         .         .         .         .         .         .      LX.
11048 109.   O      .         .         .         .         .         .         .         .         .         .         .      LX.
11054 110.   O      .         .         .         .         .         .         .         .         .         .         .      LX.
11100 111. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11106 112.    O     .         .         .         .         .         .         .         .         .         .         .      LX.
11112 113.    O     .         .         .         .         .         .         .         .         .         .         .      LX.
11118 114.     O    .         .         .         .         .         .         .         .         .         .         .     LLX.
11124 115.     O    .         .         .         .         .         .         .         .         .         .         .     LXX.
11130 116.      O   .         .         .         .         .         .         .         .         .         .         .     LXX.
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11136 117.       O                                                                                            LLXX.
11142 118.        O                                                                                          LLXXX.
11148 119.          O                                                                                  LLLLLXXXXXX.
11154 120.             O                                                                          LLLLLLXXXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . LLLLLLLLLXXXXXXXXXXXXXXXXX.
11206 122.                              O                                                   LLLLLLLXXXXXXXXXXXXXXXXXXX.
11212 123.                                            O                                          LLLXXXXXXXXXXXXX.
11218 124.                                                           O                                LLLXXXXXXXX.
11224 125.                                                                    O                             LXXXX.
11230 126.                                                                       O                           LXXX.
11236 127.                                                                   O                               LXXX.
11242 128.                                                           O                                       XXX.
11248 129.                                                  O                                                LXX.
11254 130.                                         O                                                         LXX.
11300 131. . . . . . . . . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11306 132.                             O                                                                      XX.
11312 133.                         O                                                                          XX.
11318 134.                     O                                                                              XX.
11324 135.                   O                                                                                XX.
11330 136.                 O                                                                                  XX.
11336 137.               O                                                                                    LX.
11342 138.              O                                                                                     XX.
11348 139.            O                                                                                       LX.
11354 140.            O                                                                                       LX.
11400 141. . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.          O                                                                                         LX.
11412 143.          O                                                                                         LX.
11418 144.          O                                                                                          X.
11424 145.          O                                                                                          X.
11430 146.        O                                                                                           LX.
11436 147.        O                                                                                            X.
11442 148.        O                                                                                            X.
11448 149.       O                                                                                             X.
11454 150.       O                                                                                             X.
11500 151. . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . X.
11506 152.      O                                                                                              X.
11512 153.      O                                                                                              X.
11518 154.      O                                                                                              X.
11524 155.      O                                                                                              X.
11530 156.      O                                                                                              X.
11536 157.      O                                                                                              X.
11542 158.      O                                                                                              X.
11548 159.     O                                                                                               X.
11554 160.     O                                                                                               X.
11600 161. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . X.
11606 162.     O                                                                                               X.
11612 163.     O                                                                                               X.
11618 164.     O                                                                                               X.
11624 165.     O                                                                                               X.
11630 166.     O                                                                                               X.
11636 167.     O                                                                                               X.
11642 168.    O                                                                                                X.
11648 169.    O                                                                                                X.
11654 170.    O                                                                                                X.
11700 171. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.    O                                                                                                X.
11712 173.   O                                                                                                 X.
11718 174.   O                                                                                                 X.
11724 175.   O                                                                                                 X.
11730 176.   O                                                                                                  .
11736 177.   O                                                                                                 X.
11742 178.   O                                                                                                 X.
11748 179.  O                                                                                                   .
11754 180.  O                                                                                                  X.
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.  O                                                                                                   .
11812 183.  O                                                                                                  X.
11818 184.  O                                                                                                   .
11824 185.  O                                                                                                  X.
11830 186.  O                                                                                                   .
11836 187.  O                                                                                                  X.
11842 188.  O                                                                                                   .
11848 189.  O                                                                                                  X.
11854 190.  O                                                                                                   .
11900 191. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.  O                                                                                                   .
11912 193.  O                                                                                                   .
11918 194.  O                                                                                                  X.
11924 195.  O                                                                                                   .
11930 196.  O                                                                                                  X.
11936 197.  O                                                                                                   .
11942 198.  O                                                                                                   .
11948 199.  O                                                                                                  X.
11954 200.  O                                                                                                   .
12000 201. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  O                                                                                                   .
12012 203. O                                                                                                   X.
12018 204. O                                                                                                    .
12024 205. O                                                                                                    .
12030 206. O                                                                                                    .
12036 207. O                                                                                                   X.
12042 208. O                                                                                                    .
12048 209. O                                                                                                    .
12054 210. O                                                                                                    .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O                                                                                                   X.
12112 213. O                                                                                                    .
12118 214. O                                                                                                    .
12124 215. O                                                                                                    .
12130 216. O                                                                                                    .
12136 217. O                                                                                                    .
12142 218. O                                                                                                    .
12148 219. O                                                                                                    .
12154 220. O                                                                                                    .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O                                                                                                    .
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12212 223. O        .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O        .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O        .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O        .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O        .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O        .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O        .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O        .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O        .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O        .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O        .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O        .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O        .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O        .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O        .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB A
PLAN 1, RATIO = .88

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.01	.01	.00	0.
1		0012	3	.01	.01	.00	0.
1		0018	4	.01	.01	.00	0.
1		0024	5	.01	.01	.00	0.
1		0030	6	.01	.01	.00	0.
1		0036	7	.01	.01	.00	0.
1		0042	8	.01	.01	.00	0.
1		0048	9	.01	.01	.00	0.
1		0054	10	.01	.01	.00	0.
1		0100	11	.01	.01	.00	0.
1		0106	12	.01	.01	.00	0.
1		0112	13	.01	.01	.00	0.
1		0118	14	.01	.01	.00	0.
1		0124	15	.01	.01	.00	0.
1		0130	16	.01	.01	.00	0.
1		0136	17	.01	.01	.00	0.
1		0142	18	.01	.01	.00	0.
1		0148	19	.01	.01	.00	0.
1		0154	20	.01	.01	.00	0.
1		0200	21	.01	.01	.00	0.
1		0206	22	.01	.01	.00	0.
1		0212	23	.01	.01	.00	0.
1		0218	24	.01	.01	.00	0.
1		0224	25	.01	.01	.00	0.
1		0230	26	.01	.01	.00	0.
1		0236	27	.01	.01	.00	0.
1		0242	28	.01	.01	.00	0.
1		0248	29	.01	.01	.00	0.
1		0254	30	.01	.01	.00	0.
1		0300	31	.01	.01	.00	0.
1		0306	32	.01	.01	.00	0.
1		0312	33	.01	.01	.00	0.
1		0318	34	.01	.01	.00	0.
1		0324	35	.01	.01	.00	0.
1		0330	36	.01	.01	.00	0.
1		0336	37	.01	.01	.00	0.
1		0342	38	.01	.01	.00	0.
1		0348	39	.01	.01	.00	0.
1		0354	40	.01	.01	.00	0.
1		0400	41	.01	.01	.00	0.
1		0406	42	.01	.01	.00	0.
1		0412	43	.01	.01	.00	0.
1		0418	44	.01	.01	.00	0.
1		0424	45	.01	.01	.00	0.
1		0430	46	.01	.01	.00	0.
1		0436	47	.01	.01	.00	0.
1		0442	48	.01	.01	.00	0.
1		0448	49	.01	.01	.00	0.
1		0454	50	.01	.01	.00	0.
1		0500	51	.01	.01	.00	0.
1		0506	52	.01	.01	.00	0.
1		0512	53	.01	.01	.00	0.
1		0518	54	.01	.01	.00	0.
1		0524	55	.01	.01	.00	0.
1		0530	56	.01	.01	.00	0.
1		0536	57	.01	.01	.00	0.
1		0542	58	.01	.01	.00	0.
1		0548	59	.01	.01	.00	0.
1		0554	60	.01	.01	.00	0.
1		0600	61	.01	.01	.00	0.
1		0606	62	.01	.01	.00	0.
1		0612	63	.01	.01	.00	0.
1		0618	64	.01	.01	.00	0.
1		0624	65	.01	.01	.00	0.
1		0630	66	.01	.01	.00	0.
1		0636	67	.01	.01	.00	0.
1		0642	68	.01	.01	.00	0.
1		0648	69	.01	.01	.00	0.
1		0654	70	.01	.01	.00	0.
1		0700	71	.01	.01	.00	0.
1		0706	72	.01	.01	.00	0.
1		0712	73	.01	.01	.00	0.
1		0718	74	.01	.01	.00	0.
1		0724	75	.01	.01	.00	0.
1		0730	76	.02	.02	.00	0.
1		1206	122	.59	.14	.45	78.
1		1212	123	.38	.08	.30	112.
1		1218	124	.24	.04	.20	147.
1		1224	125	.11	.02	.09	171.
1		1230	126	.09	.02	.08	177.
1		1236	127	.08	.01	.07	167.
1		1242	128	.08	.01	.06	146.
1		1248	129	.06	.01	.05	123.
1		1254	130	.06	.01	.05	102.
1		1300	131	.06	.01	.05	85.
1		1306	132	.05	.01	.04	72.
1		1312	133	.06	.01	.05	62.
1		1318	134	.04	.01	.04	54.
1		1324	135	.05	.01	.04	47.
1		1330	136	.04	.01	.04	42.
1		1336	137	.03	.01	.03	38.
1		1342	138	.04	.01	.04	35.
1		1348	139	.03	.00	.03	32.
1		1354	140	.03	.00	.03	30.
1		1400	141	.03	.00	.03	28.
1		1406	142	.03	.00	.03	26.
1		1412	143	.03	.00	.03	25.
1		1418	144	.03	.00	.02	24.
1		1424	145	.03	.00	.02	23.
1		1430	146	.03	.00	.03	22.
1		1436	147	.03	.00	.02	21.
1		1442	148	.03	.00	.02	20.
1		1448	149	.02	.00	.02	20.
1		1454	150	.03	.00	.02	19.
1		1500	151	.03	.00	.02	18.
1		1506	152	.03	.00	.02	18.
1		1512	153	.02	.00	.02	17.
1		1518	154	.03	.00	.02	17.
1		1524	155	.02	.00	.02	17.
1		1530	156	.02	.00	.02	16.
1		1536	157	.03	.00	.02	16.
1		1542	158	.02	.00	.02	15.
1		1548	159	.02	.00	.02	15.
1		1554	160	.02	.00	.02	15.
1		1600	161	.02	.00	.02	15.
1		1606	162	.02	.00	.02	14.
1		1612	163	.02	.00	.02	14.
1		1618	164	.02	.00	.02	14.
1		1624	165	.02	.00	.02	14.
1		1630	166	.01	.00	.01	13.
1		1636	167	.02	.00	.02	13.
1		1642	168	.02	.00	.02	13.
1		1648	169	.01	.00	.01	12.
1		1654	170	.01	.00	.01	12.
1		1700	171	.01	.00	.01	12.
1		1706	172	.01	.00	.01	11.
1		1712	173	.01	.00	.01	10.
1		1718	174	.01	.00	.01	10.
1		1724	175	.01	.00	.01	9.
1		1730	176	.01	.00	.01	9.
1		1736	177	.01	.00	.01	9.
1		1742	178	.01	.00	.01	8.
1		1748	179	.01	.00	.01	8.
1		1754	180	.01	.00	.01	8.
1		1800	181	.01	.00	.01	8.
1		1806	182	.01	.00	.01	8.
1		1812	183	.01	.00	.01	8.
1		1818	184	.01	.00	.01	7.
1		1824	185	.01	.00	.01	7.
1		1830	186	.01	.00	.01	7.
1		1836	187	.01	.00	.01	7.
1		1842	188	.01	.00	.01	7.
1		1848	189	.01	.00	.01	7.
1		1854	190	.01	.00	.01	7.
1		1900	191	.01	.00	.01	7.
1		1906	192	.01	.00	.01	7.
1		1912	193	.01	.00	.01	7.
1		1918	194	.01	.00	.01	6.
1		1924	195	.01	.00	.01	6.
1		1930	196	.01	.00	.01	6.
1		1936	197	.01	.00	.01	6.

1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	6.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.01	.00	.01	6.
1	0748	79	.02	.02	.00	1.	*	1	1954	200	.01	.00	.01	6.
1	0754	80	.02	.02	.00	1.	*	1	2000	201	.01	.00	.01	6.
1	0800	81	.02	.02	.00	1.	*	1	2006	202	.01	.00	.01	6.
1	0806	82	.02	.02	.00	1.	*	1	2012	203	.01	.00	.01	6.
1	0812	83	.02	.02	.00	1.	*	1	2018	204	.01	.00	.01	6.
1	0818	84	.02	.02	.00	1.	*	1	2024	205	.01	.00	.01	6.
1	0824	85	.02	.02	.00	2.	*	1	2030	206	.01	.00	.01	6.
1	0830	86	.02	.02	.00	2.	*	1	2036	207	.01	.00	.01	6.
1	0836	87	.03	.02	.01	2.	*	1	2042	208	.01	.00	.01	6.
1	0842	88	.02	.02	.00	2.	*	1	2048	209	.01	.00	.01	6.
1	0848	89	.02	.02	.00	2.	*	1	2054	210	.01	.00	.01	6.
1	0854	90	.03	.02	.01	3.	*	1	2100	211	.01	.00	.01	5.
1	0900	91	.03	.02	.01	3.	*	1	2106	212	.01	.00	.01	5.
1	0906	92	.02	.02	.01	3.	*	1	2112	213	.01	.00	.01	5.
1	0912	93	.03	.02	.01	3.	*	1	2118	214	.01	.00	.01	5.
1	0918	94	.03	.02	.01	4.	*	1	2124	215	.01	.00	.01	5.
1	0924	95	.03	.02	.01	4.	*	1	2130	216	.01	.00	.01	5.
1	0930	96	.03	.02	.01	4.	*	1	2136	217	.01	.00	.01	5.
1	0936	97	.03	.02	.01	4.	*	1	2142	218	.01	.00	.01	5.
1	0942	98	.03	.02	.01	5.	*	1	2148	219	.01	.00	.01	5.
1	0948	99	.03	.02	.01	5.	*	1	2154	220	.01	.00	.01	5.
1	0954	100	.03	.02	.01	6.	*	1	2200	221	.01	.00	.01	5.
1	1000	101	.03	.02	.01	6.	*	1	2206	222	.01	.00	.01	5.
1	1006	102	.04	.02	.01	6.	*	1	2212	223	.01	.00	.01	5.
1	1012	103	.03	.02	.01	7.	*	1	2218	224	.01	.00	.01	5.
1	1018	104	.04	.03	.02	7.	*	1	2224	225	.01	.00	.01	5.
1	1024	105	.03	.02	.01	8.	*	1	2230	226	.01	.00	.01	5.
1	1030	106	.04	.02	.02	8.	*	1	2236	227	.01	.00	.01	5.
1	1036	107	.04	.02	.02	9.	*	1	2242	228	.01	.00	.01	5.
1	1042	108	.04	.02	.02	10.	*	1	2248	229	.01	.00	.01	5.
1	1048	109	.05	.03	.02	10.	*	1	2254	230	.01	.00	.01	5.
1	1054	110	.05	.03	.02	11.	*	1	2300	231	.01	.00	.01	5.
1	1100	111	.06	.03	.03	12.	*	1	2306	232	.01	.00	.01	5.
1	1106	112	.06	.03	.03	13.	*	1	2312	233	.01	.00	.01	5.
1	1112	113	.06	.03	.03	14.	*	1	2318	234	.01	.00	.01	4.
1	1118	114	.07	.03	.04	15.	*	1	2324	235	.01	.00	.01	4.
1	1124	115	.08	.04	.04	17.	*	1	2330	236	.01	.00	.01	4.
1	1130	116	.08	.03	.04	18.	*	1	2336	237	.01	.00	.01	4.
1	1136	117	.10	.04	.06	21.	*	1	2342	238	.01	.00	.01	4.
1	1142	118	.11	.05	.07	23.	*	1	2348	239	.00	.00	.00	4.
1	1148	119	.24	.09	.15	28.	*	1	2354	240	.00	.00	.00	4.
1	1154	120	.37	.13	.24	35.	*	2	0000	241	.01	.00	.01	4.
1	1200	121	.59	.17	.42	51.	*							

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TOTAL RAINFALL = 7.00, TOTAL LOSS = 2.63, TOTAL EXCESS = 4.37

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 177.	12.50		42.	13.	13.	13.
		(INCHES)	3.523	4.336	4.336	4.336
		(AC-FT)	21.	25.	25.	25.

CUMULATIVE AREA = .11 SQ MI

```
1                                                      STATION    SUB A

                      (O) OUTFLOW
          0.       20.      40.       60.       80.      100.      120.      140.      160.      180.       0.        0.        0.
                                                                                                        (L) PRECIP,  (X) EXCESS
          .0       .0       .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
10006   20         .         .         .         .         .         .         .         .         .         .         .         .
10012   30         .         .         .         .         .         .         .         .         .         .         .         .
10018   40         .         .         .         .         .         .         .         .         .         .         .         .
10024   50         .         .         .         .         .         .         .         .         .         .         .         .
10030   60         .         .         .         .         .         .         .         .         .         .         .         .
10036   70         .         .         .         .         .         .         .         .         .         .         .         .
10042   80         .         .         .         .         .         .         .         .         .         .         .         .
10048   90         .         .         .         .         .         .         .         .         .         .         .         .
10054  100         .         .         .         .         .         .         .         .         .         .         .         .
10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106  120         .         .         .         .         .         .         .         .         .         .         .         .
10112  130         .         .         .         .         .         .         .         .         .         .         .         .
10118  140         .         .         .         .         .         .         .         .         .         .         .         .
10124  150         .         .         .         .         .         .         .         .         .         .         .         .
10130  160         .         .         .         .         .         .         .         .         .         .         .         .
10136  170         .         .         .         .         .         .         .         .         .         .         .         .
10142  180         .         .         .         .         .         .         .         .         .         .         .         .
10148  190         .         .         .         .         .         .         .         .         .         .         .         .
10154  200         .         .         .         .         .         .         .         .         .         .         .         .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220         .         .         .         .         .         .         .         .         .         .         .         .
10212  230         .         .         .         .         .         .         .         .         .         .         .         .
10218  240         .         .         .         .         .         .         .         .         .         .         .         .
10224  250         .         .         .         .         .         .         .         .         .         .         .         .
10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
10236  270         .         .         .         .         .         .         .         .         .         .         .         .
10242  280         .         .         .         .         .         .         .         .         .         .         .         .
10248  290         .         .         .         .         .         .         .         .         .         .         .         .
10254  300         .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320         .         .         .         .         .         .         .         .         .         .         .         .
10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
10318  340         .         .         .         .         .         .         .         .         .         .         .         .
10324  350         .         .         .         .         .         .         .         .         .         .         .         .
10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
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10354  400                                                                                                                       .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420                                                                                                                      L.
10412  430                                                                                                                       .
10418  440                                                                                                                       .
10424  450                                                                                                                      L.
10430  460                                                                                                                       .
10436  470                                                                                                                       .
10442  480                                                                                                                      L.
10448  490                                                                                                                       .
10454  500                                                                                                                       .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520                                                                                                                       .
10512  530                                                                                                                      L.
10518  540                                                                                                                       .
10524  550                                                                                                                      L.
10530  560                                                                                                                       .
10536  570                                                                                                                      L.
10542  580                                                                                                                       .
10548  590                                                                                                                      L.
10554  600                                                                                                                       .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620                                                                                                                      L.
10612  630                                                                                                                       .
10618  640                                                                                                                      L.
10624  650                                                                                                                      L.
10630  660                                                                                                                       .
10636  670                                                                                                                      L.
10642  680                                                                                                                      L.
10648  690                                                                                                                       .
10654  700                                                                                                                      L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720                                                                                                                      L.
10712  730                                                                                                                      L.
10718  740                                                                                                                      L.
10724  750                                                                                                                      L.
10730  760                                                                                                                      L.
10736  770                                                                                                                      L.
10742  780                                                                                                                      L.
10748  790                                                                                                                      L.
10754  800                                                                                                                      L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  82.O                                                                                                                     L.
10812  83.O                                                                                                                     L.
10818  84.O                                                                                                                     L.
10824  85.O                                                                                                                     L.
10830  86.O                                                                                                                     L.
10836  87.O                                                                                                                     L.
10842  88.O                                                                                                                     L.
10848  89.O                                                                                                                     L.
10854  90.O                                                                                                                     L.
10900  91.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  92. O                                                                                                                    L.
10912  93. O                                                                                                                    L.
10918  94. O                                                                                                                    L.
10924  95. O                                                                                                                    L.
10930  96. O                                                                                                                    L.
10936  97. O                                                                                                                    L.
10942  98. O                                                                                                                   LX.
10948  99.  O                                                                                                                   L.
10954 100.  O                                                                                                                  LX.
11000 101. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102.  O                                                                                                                  LX.
11012 103.  O                                                                                                                  LX.
11018 104.   O                                                                                                                 LX.
11024 105.   O                                                                                                                 LX.
11030 106.   O                                                                                                                 LX.
11036 107.   O                                                                                                                 LX.
11042 108.    O                                                                                                                LX.
11048 109.    O                                                                                                                LX.
11054 110.    O                                                                                                                LX.
11100 111. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.     O                                                                                                              LLX.
11112 113.      O                                                                                                             LLX.
11118 114.       O                                                                                                            LXX.
11124 115.       O                                                                                                           LLXX.
11130 116.        O.                                                                                                         LLXX.
11136 117.         O                                                                                                        LLLXXX.
11142 118.         . O                                                                                                      LLLXXX.
11148 119.             O                                                                                              LLLLXXXXXXXX.
11154 120.                 O                                                                                   .LLLLLLLXXXXXXXXXXXXX.
11200 121. . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLLLLLLLXXXXXXXXXXXXXXXXXXXXXXXX.
11206 122.                                      O.                                                 .LLLLLLXXXXXXXXXXXXXXXXXXXXXXXXXX.
11212 123.                                                       O                                           .LLLLXXXXXXXXXXXXXXXX.
11218 124.                                                                         O                                 LLXXXXXXXXXX.
11224 125.                                                                                    O                            LXXXXX.
11230 126.                                                                                       O .                        LXXXX.
11236 127.                                                                                  O                              XXXX.
11242 128.                                                                        O                                        LXXX.
11248 129.                                                             O                                                    XXX.
11254 130.                                                 .O                                                               XXX.
11300 131. . . . . . . . . . . . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.                                   O                                                                               XX.
11312 133.                              .O                                                                                  LXX.
11318 134.                          O                                                                                        XX.
11324 135.                       O                                                                                           XX.
11330 136.                    .O                                                                                             XX.
11336 137.                  O.                                                                                               LX.
11342 138.                 O .                                                                                               XX.
11348 139.               O                                                                                                   XX.
11354 140.              O                                                                                                    XX.
11400 141. . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11406 142.            O                                                                                                      XX.
11412 143.         . O                                                                                                       XX.
11418 144.         . O                                                                                                        X.
11424 145.         .O                                                                                                         X.
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11430 146.         .O        .         .         .         .         .         .         .         .         .         .       XX.
11436 147.         O         .         .         .         .         .         .         .         .         .         .        X.
11442 148.         O         .         .         .         .         .         .         .         .         .         .        X.
11448 149.         O         .         .         .         .         .         .         .         .         .         .        X.
11454 150.        O.         .         .         .         .         .         .         .         .         .         .        X.
11500 151. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.        O.         .         .         .         .         .         .         .         .         .         .        X.
11512 153.        O.         .         .         .         .         .         .         .         .         .         .        X.
11518 154.       O .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.       O .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.       O .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.       O .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.       O .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.       O .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11654 170.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11700 171. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11712 173.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11718 174.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11724 175.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11730 176.   O     .         .         .         .         .         .         .         .         .         .         .         .
11736 177.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11742 178.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11748 179.   O     .         .         .         .         .         .         .         .         .         .         .         .
11754 180.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.   O     .         .         .         .         .         .         .         .         .         .         .         .
11812 183.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11818 184.   O     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11830 186.   O     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11842 188.  O      .         .         .         .         .         .         .         .         .         .         .         .
11848 189.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11854 190.  O      .         .         .         .         .         .         .         .         .         .         .         .
11900 191. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.  O      .         .         .         .         .         .         .         .         .         .         .         .
11912 193.  O      .         .         .         .         .         .         .         .         .         .         .         .
11918 194.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11924 195.  O      .         .         .         .         .         .         .         .         .         .         .         .
11930 196.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11936 197.  O      .         .         .         .         .         .         .         .         .         .         .         .
11942 198.  O      .         .         .         .         .         .         .         .         .         .         .         .
11948 199.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11954 200.  O      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  O      .         .         .         .         .         .         .         .         .         .         .         .
12012 203.  O      .         .         .         .         .         .         .         .         .         .         .        X.
12018 204.  O      .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  O      .         .         .         .         .         .         .         .         .         .         .         .
12030 206.  O      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.  O      .         .         .         .         .         .         .         .         .         .         .        X.
12042 208.  O      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  O      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.  O      .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  O      .         .         .         .         .         .         .         .         .         .         .        X.
12112 213.  O      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  O      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  O      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  O      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  O      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  O      .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O       .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O       .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223.  O      .         .         .         .         .         .         .         .         .         .         .         .
12218 224.  O      .         .         .         .         .         .         .         .         .         .         .         .
12224 225.  O      .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  O      .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O       .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O       .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O       .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O       .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O       .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O       .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O       .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O       .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O       .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O       .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O       .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O       .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O       .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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                                                  HYDROGRAPH AT STATION     SUB A
                                                     PLAN 1,   RATIO =  1.00

*********************************************************************************************************************************
                                                                *
      DA MON HRMN  ORD     RAIN     LOSS  EXCESS     COMP Q     *   DA MON HRMN  ORD     RAIN     LOSS  EXCESS     COMP Q
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1	0000	1	.00	.00	.00	0.	*	1	1206	122	.67	.13	.54	95.
1	0006	2	.01	.01	.00	0.	*	1	1212	123	.43	.07	.36	137.
1	0012	3	.01	.01	.00	0.	*	1	1218	124	.28	.04	.24	179.
1	0018	4	.01	.01	.00	0.	*	1	1224	125	.13	.02	.11	206.
1	0024	5	.01	.01	.00	0.	*	1	1230	126	.10	.01	.09	213.
1	0030	6	.01	.01	.00	0.	*	1	1236	127	.10	.01	.08	200.
1	0036	7	.01	.01	.00	0.	*	1	1242	128	.09	.01	.08	175.
1	0042	8	.01	.01	.00	0.	*	1	1248	129	.07	.01	.06	147.
1	0048	9	.01	.01	.00	0.	*	1	1254	130	.07	.01	.06	122.
1	0054	10	.01	.01	.00	0.	*	1	1300	131	.06	.01	.06	102.
1	0100	11	.01	.01	.00	0.	*	1	1306	132	.06	.01	.05	86.
1	0106	12	.01	.01	.00	0.	*	1	1312	133	.06	.01	.06	74.
1	0112	13	.01	.01	.00	0.	*	1	1318	134	.05	.01	.04	64.
1	0118	14	.01	.01	.00	0.	*	1	1324	135	.06	.01	.05	56.
1	0124	15	.01	.01	.00	0.	*	1	1330	136	.05	.01	.04	50.
1	0130	16	.01	.01	.00	0.	*	1	1336	137	.04	.00	.04	45.
1	0136	17	.01	.01	.00	0.	*	1	1342	138	.05	.01	.04	41.
1	0142	18	.01	.01	.00	0.	*	1	1348	139	.04	.00	.04	38.
1	0148	19	.01	.01	.00	0.	*	1	1354	140	.04	.00	.04	35.
1	0154	20	.01	.01	.00	0.	*	1	1400	141	.04	.00	.04	33.
1	0200	21	.01	.01	.00	0.	*	1	1406	142	.04	.00	.04	31.
1	0206	22	.01	.01	.00	0.	*	1	1412	143	.04	.00	.04	29.
1	0212	23	.01	.01	.00	0.	*	1	1418	144	.03	.00	.03	28.
1	0218	24	.01	.01	.00	0.	*	1	1424	145	.03	.00	.03	27.
1	0224	25	.01	.01	.00	0.	*	1	1430	146	.04	.00	.04	26.
1	0230	26	.02	.02	.00	0.	*	1	1436	147	.03	.00	.03	25.
1	0236	27	.01	.01	.00	0.	*	1	1442	148	.03	.00	.03	24.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.00	.02	23.
1	0248	29	.01	.01	.00	0.	*	1	1454	150	.03	.00	.03	22.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.03	.00	.03	21.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.03	.00	.03	21.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.00	.02	20.
1	0312	33	.02	.02	.00	0.	*	1	1518	154	.03	.00	.03	20.
1	0318	34	.01	.01	.00	0.	*	1	1524	155	.02	.00	.02	20.
1	0324	35	.01	.01	.00	0.	*	1	1530	156	.02	.00	.02	19.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.03	.00	.03	19.
1	0336	37	.01	.01	.00	0.	*	1	1542	158	.02	.00	.02	18.
1	0342	38	.02	.02	.00	0.	*	1	1548	159	.02	.00	.02	18.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.00	.02	17.
1	0354	40	.01	.01	.00	0.	*	1	1600	161	.02	.00	.02	17.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.00	.02	17.
1	0406	42	.02	.02	.00	0.	*	1	1612	163	.02	.00	.02	16.
1	0412	43	.01	.01	.00	0.	*	1	1618	164	.02	.00	.02	16.
1	0418	44	.01	.01	.00	0.	*	1	1624	165	.02	.00	.02	16.
1	0424	45	.02	.02	.00	0.	*	1	1630	166	.02	.00	.01	16.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.00	.02	15.
1	0436	47	.01	.01	.00	0.	*	1	1642	168	.02	.00	.02	15.
1	0442	48	.02	.02	.00	0.	*	1	1648	169	.02	.00	.01	15.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.02	.00	.01	14.
1	0454	50	.01	.01	.00	0.	*	1	1700	171	.01	.00	.01	14.
1	0500	51	.02	.02	.00	0.	*	1	1706	172	.02	.00	.01	13.
1	0506	52	.01	.01	.00	0.	*	1	1712	173	.02	.00	.01	12.
1	0512	53	.02	.02	.00	0.	*	1	1718	174	.02	.00	.01	11.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.02	.00	.01	11.
1	0524	55	.02	.02	.00	0.	*	1	1730	176	.01	.00	.01	10.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.02	.00	.01	10.
1	0536	57	.02	.02	.00	0.	*	1	1742	178	.02	.00	.01	10.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	9.
1	0548	59	.02	.02	.00	0.	*	1	1754	180	.02	.00	.01	9.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.02	.00	.01	9.
1	0600	61	.02	.02	.00	0.	*	1	1806	182	.01	.00	.01	9.
1	0606	62	.02	.02	.00	0.	*	1	1812	183	.02	.00	.01	9.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	9.
1	0618	64	.02	.02	.00	0.	*	1	1824	185	.02	.00	.01	8.
1	0624	65	.02	.02	.00	0.	*	1	1830	186	.01	.00	.01	8.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.02	.00	.01	8.
1	0636	67	.02	.02	.00	0.	*	1	1842	188	.01	.00	.01	8.
1	0642	68	.02	.02	.00	0.	*	1	1848	189	.02	.00	.01	8.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	8.
1	0654	70	.02	.02	.00	0.	*	1	1900	191	.02	.00	.01	8.
1	0700	71	.02	.01	.00	0.	*	1	1906	192	.01	.00	.01	8.
1	0706	72	.02	.01	.00	0.	*	1	1912	193	.01	.00	.01	8.
1	0712	73	.02	.01	.00	0.	*	1	1918	194	.02	.00	.01	8.
1	0718	74	.02	.01	.00	1.	*	1	1924	195	.01	.00	.01	7.
1	0724	75	.02	.01	.00	1.	*	1	1930	196	.02	.00	.01	7.
1	0730	76	.02	.02	.00	1.	*	1	1936	197	.01	.00	.01	7.
1	0736	77	.02	.02	.00	1.	*	1	1942	198	.01	.00	.01	7.
1	0742	78	.02	.02	.00	1.	*	1	1948	199	.02	.00	.01	7.
1	0748	79	.02	.02	.00	1.	*	1	1954	200	.01	.00	.01	7.
1	0754	80	.02	.02	.00	2.	*	1	2000	201	.01	.00	.01	7.
1	0800	81	.02	.02	.00	2.	*	1	2006	202	.01	.00	.01	7.
1	0806	82	.02	.02	.00	2.	*	1	2012	203	.02	.00	.01	7.
1	0812	83	.02	.02	.00	2.	*	1	2018	204	.01	.00	.01	7.
1	0818	84	.02	.02	.01	3.	*	1	2024	205	.01	.00	.01	7.
1	0824	85	.02	.02	.01	3.	*	1	2030	206	.01	.00	.01	7.
1	0830	86	.02	.02	.01	3.	*	1	2036	207	.02	.00	.01	7.
1	0836	87	.03	.02	.01	3.	*	1	2042	208	.01	.00	.01	6.
1	0842	88	.02	.02	.01	3.	*	1	2048	209	.01	.00	.01	7.
1	0848	89	.02	.02	.01	4.	*	1	2054	210	.01	.00	.01	6.
1	0854	90	.03	.02	.01	4.	*	1	2100	211	.01	.00	.01	6.
1	0900	91	.03	.02	.01	4.	*	1	2106	212	.02	.00	.01	6.
1	0906	92	.02	.02	.01	5.	*	1	2112	213	.01	.00	.01	6.
1	0912	93	.03	.02	.01	5.	*	1	2118	214	.01	.00	.01	6.
1	0918	94	.03	.02	.01	5.	*	1	2124	215	.01	.00	.01	6.
1	0924	95	.03	.02	.01	6.	*	1	2130	216	.01	.00	.01	6.
1	0930	96	.03	.02	.01	6.	*	1	2136	217	.01	.00	.01	6.
1	0936	97	.03	.02	.01	6.	*	1	2142	218	.01	.00	.01	6.
1	0942	98	.04	.03	.01	7.	*	1	2148	219	.01	.00	.01	6.
1	0948	99	.03	.02	.01	7.	*	1	2154	220	.01	.00	.01	6.
1	0954	100	.04	.02	.02	8.	*	1	2200	221	.02	.00	.01	6.
1	1000	101	.03	.02	.01	8.	*	1	2206	222	.01	.00	.01	6.
1	1006	102	.04	.02	.02	9.	*	1	2212	223	.01	.00	.01	6.
1	1012	103	.04	.02	.02	9.	*	1	2218	224	.01	.00	.01	6.
1	1018	104	.05	.03	.02	10.	*	1	2224	225	.01	.00	.01	6.
1	1024	105	.04	.02	.02	10.	*	1	2230	226	.01	.00	.01	6.

CALIFONHYDROLOGY

1	1030	106	.05	.03	.02	11.	*	1	2236	227	.01	.00	.01	6.
1	1036	107	.05	.02	.02	12.	*	1	2242	228	.01	.00	.01	6.
1	1042	108	.05	.02	.02	13.	*	1	2248	229	.01	.00	.01	5.
1	1048	109	.06	.03	.03	14.	*	1	2254	230	.01	.00	.01	5.
1	1054	110	.06	.03	.03	14.	*	1	2300	231	.01	.00	.01	5.
1	1100	111	.06	.03	.03	16.	*	1	2306	232	.01	.00	.01	5.
1	1106	112	.06	.03	.03	17.	*	1	2312	233	.01	.00	.01	5.
1	1112	113	.06	.03	.04	18.	*	1	2318	234	.01	.00	.01	5.
1	1118	114	.08	.03	.05	20.	*	1	2324	235	.01	.00	.01	5.
1	1124	115	.09	.04	.05	22.	*	1	2330	236	.01	.00	.01	5.
1	1130	116	.09	.04	.05	24.	*	1	2336	237	.01	.00	.01	5.
1	1136	117	.11	.04	.07	26.	*	1	2342	238	.01	.00	.01	5.
1	1142	118	.13	.05	.08	30.	*	1	2348	239	.00	.00	.00	5.
1	1148	119	.28	.09	.19	35.	*	1	2354	240	.00	.00	.00	5.
1	1154	120	.42	.12	.30	44.	*	2	0000	241	.01	.00	.01	5.
1	1200	121	.67	.16	.51	64.	*							

```
*******************************************************************************************************************************

    TOTAL RAINFALL =    8.00, TOTAL LOSS =    2.73, TOTAL EXCESS =    5.27

  PEAK FLOW     TIME                            MAXIMUM AVERAGE FLOW
                                         6-HR       24-HR       72-HR       24.00-HR
+   (CFS)       (HR)
                              (CFS)
+    213.      12.50                      50.         15.         15.          15.
                            (INCHES)     4.232       5.239       5.239        5.239
                             (AC-FT)      25.         31.         31.          31.

                            CUMULATIVE AREA =     .11 SQ MI

1                                                        STATION    SUB A

                             (O) OUTFLOW
         0.        40.        80.       120.       160.       200.       240.         0.         0.         0.         0.         0.         0.
                                                                                                                 (L) PRECIP,   (X) EXCESS
         .0         .0         .0         .0         .0         .0         .0         .0         .8         .6         .4         .2         .0
DAHRMN PER
 10000  10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006  20         .         .         .         .         .         .         .         .         .         .         .         .
 10012  30         .         .         .         .         .         .         .         .         .         .         .         .
 10018  40         .         .         .         .         .         .         .         .         .         .         .         .
 10024  50         .         .         .         .         .         .         .         .         .         .         .         .
 10030  60         .         .         .         .         .         .         .         .         .         .         .         .
 10036  70         .         .         .         .         .         .         .         .         .         .         .         .
 10042  80         .         .         .         .         .         .         .         .         .         .         .         .
 10048  90         .         .         .         .         .         .         .         .         .         .         .         .
 10054 100         .         .         .         .         .         .         .         .         .         .         .         .
 10100 110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106 120         .         .         .         .         .         .         .         .         .         .         .         .
 10112 130         .         .         .         .         .         .         .         .         .         .         .         .
 10118 140         .         .         .         .         .         .         .         .         .         .         .         .
 10124 150         .         .         .         .         .         .         .         .         .         .         .         .
 10130 160         .         .         .         .         .         .         .         .         .         .         .         .
 10136 170         .         .         .         .         .         .         .         .         .         .         .         .
 10142 180         .         .         .         .         .         .         .         .         .         .         .         .
 10148 190         .         .         .         .         .         .         .         .         .         .         .         .
 10154 200         .         .         .         .         .         .         .         .         .         .         .         .
 10200 210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206 220         .         .         .         .         .         .         .         .         .         .         .         .
 10212 230         .         .         .         .         .         .         .         .         .         .         .         .
 10218 240         .         .         .         .         .         .         .         .         .         .         .         .
 10224 250         .         .         .         .         .         .         .         .         .         .         .         .
 10230 260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236 270         .         .         .         .         .         .         .         .         .         .         .         .
 10242 280         .         .         .         .         .         .         .         .         .         .         .         .
 10248 290         .         .         .         .         .         .         .         .         .         .         .         .
 10254 300         .         .         .         .         .         .         .         .         .         .         .         .
 10300 310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306 320         .         .         .         .         .         .         .         .         .         .         .         .
 10312 330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318 340         .         .         .         .         .         .         .         .         .         .         .         .
 10324 350         .         .         .         .         .         .         .         .         .         .         .         .
 10330 360         .         .         .         .         .         .         .         .         .         .         .         .
 10336 370         .         .         .         .         .         .         .         .         .         .         .         .
 10342 380         .         .         .         .         .         .         .         .         .         .         .        L.
 10348 390         .         .         .         .         .         .         .         .         .         .         .         .
 10354 400         .         .         .         .         .         .         .         .         .         .         .         .
 10400 410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406 420         .         .         .         .         .         .         .         .         .         .         .        L.
 10412 430         .         .         .         .         .         .         .         .         .         .         .         .
 10418 440         .         .         .         .         .         .         .         .         .         .         .         .
 10424 450         .         .         .         .         .         .         .         .         .         .         .        L.
 10430 460         .         .         .         .         .         .         .         .         .         .         .         .
 10436 470         .         .         .         .         .         .         .         .         .         .         .         .
 10442 480         .         .         .         .         .         .         .         .         .         .         .        L.
 10448 490         .         .         .         .         .         .         .         .         .         .         .         .
 10454 500         .         .         .         .         .         .         .         .         .         .         .         .
 10500 510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506 520         .         .         .         .         .         .         .         .         .         .         .         .
 10512 530         .         .         .         .         .         .         .         .         .         .         .        L.
 10518 540         .         .         .         .         .         .         .         .         .         .         .         .
 10524 550         .         .         .         .         .         .         .         .         .         .         .        L.
 10530 560         .         .         .         .         .         .         .         .         .         .         .         .
 10536 570         .         .         .         .         .         .         .         .         .         .         .        L.
 10542 580         .         .         .         .         .         .         .         .         .         .         .         .
 10548 590         .         .         .         .         .         .         .         .         .         .         .        L.
 10554 600         .         .         .         .         .         .         .         .         .         .         .         .
 10600 610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10606 620         .         .         .         .         .         .         .         .         .         .         .        L.
 10612 630         .         .         .         .         .         .         .         .         .         .         .         .
 10618 640         .         .         .         .         .         .         .         .         .         .         .        L.
 10624 650         .         .         .         .         .         .         .         .         .         .         .        L.
 10630 660         .         .         .         .         .         .         .         .         .         .         .         .
 10636 670         .         .         .         .         .         .         .         .         .         .         .        L.
 10642 680         .         .         .         .         .         .         .         .         .         .         .        L.
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```
10648  690          .         .         .         .         .         .         .         .         .         .         .
10654  700          .         .         .         .         .         .         .         .         .         .        L.
10700  710  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720          .         .         .         .         .         .         .         .         .         .        L.
10712  730          .         .         .         .         .         .         .         .         .         .        L.
10718  740          .         .         .         .         .         .         .         .         .         .        L.
10724  750          .         .         .         .         .         .         .         .         .         .        L.
10730  760          .         .         .         .         .         .         .         .         .         .        L.
10736  770          .         .         .         .         .         .         .         .         .         .        L.
10742  780          .         .         .         .         .         .         .         .         .         .        L.
10748  790          .         .         .         .         .         .         .         .         .         .        L.
10754  800          .         .         .         .         .         .         .         .         .         .        L.
10800  810  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  82.o         .         .         .         .         .         .         .         .         .         .        L.
10812  83.o         .         .         .         .         .         .         .         .         .         .        L.
10818  84.o         .         .         .         .         .         .         .         .         .         .        L.
10824  85.o         .         .         .         .         .         .         .         .         .         .        L.
10830  86.o         .         .         .         .         .         .         .         .         .         .        L.
10836  87.o         .         .         .         .         .         .         .         .         .         .       LL.
10842  88.o         .         .         .         .         .         .         .         .         .         .        L.
10848  89.o         .         .         .         .         .         .         .         .         .         .        L.
10854  90.o         .         .         .         .         .         .         .         .         .         .       LL.
10900  91.o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  92.o         .         .         .         .         .         .         .         .         .         .        L.
10912  93.o         .         .         .         .         .         .         .         .         .         .       LX.
10918  94.o         .         .         .         .         .         .         .         .         .         .       LX.
10924  95.o         .         .         .         .         .         .         .         .         .         .       LX.
10930  96. o        .         .         .         .         .         .         .         .         .         .       LX.
10936  97. o        .         .         .         .         .         .         .         .         .         .       LX.
10942  98. o        .         .         .         .         .         .         .         .         .         .       LX.
10948  99. o        .         .         .         .         .         .         .         .         .         .       LX.
10954 100. o        .         .         .         .         .         .         .         .         .         .       LX.
11000 101. o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11006 102. o        .         .         .         .         .         .         .         .         .         .       LX.
11012 103. o        .         .         .         .         .         .         .         .         .         .       LX.
11018 104. o        .         .         .         .         .         .         .         .         .         .       LX.
11024 105.  o       .         .         .         .         .         .         .         .         .         .       LX.
11030 106.  o       .         .         .         .         .         .         .         .         .         .       LX.
11036 107.  o       .         .         .         .         .         .         .         .         .         .       LX.
11042 108.  o       .         .         .         .         .         .         .         .         .         .       LX.
11048 109.  o       .         .         .         .         .         .         .         .         .         .      LLX.
11054 110.   o      .         .         .         .         .         .         .         .         .         .      LLX.
11100 111.  .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11106 112.   o      .         .         .         .         .         .         .         .         .         .      LXX.
11112 113.    o     .         .         .         .         .         .         .         .         .         .      LXX.
11118 114.    o     .         .         .         .         .         .         .         .         .         .     LLXX.
11124 115.    o     .         .         .         .         .         .         .         .         .         .     LXXX.
11130 116.     o    .         .         .         .         .         .         .         .         .         .     LXXX.
11136 117.      o   .         .         .         .         .         .         .         .         .         .   LLLXXX.
11142 118.      o   .         .         .         .         .         .         .         .         .         .   LLXXXX.
11148 119.         o.         .         .         .         .         .         .         .         .    LLLLLXXXXXXXXXX.
11154 120.          .o        .         .         .         .         .         .         .        LLLLLLXXXXXXXXXXXXXXX.
11200 121.  . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LLLLLLLLLXXXXXXXXXXXXXXXXXXXXXXXXXX.
11206 122.          .         .   o     .         .         .         .         .         .    LLLLLLLXXXXXXXXXXXXXXXXXXXXXXXXXXXX.
11212 123.          .         .         .   o     .         .         .         .         .      LLLLXXXXXXXXXXXXXXXXXXX.
11218 124.          .         .         .         .    o    .         .         .         .         .    LLXXXXXXXXXXXXX.
11224 125.          .         .         .         .         . o       .         .         .         .         .   LXXXXX.
11230 126.          .         .         .         .         .  o      .         .         .         .         .    LXXXX.
11236 127.          .         .         .         .         o         .         .         .         .         .    LXXXX.
11242 128.          .         .         .         .   o     .         .         .         .         .         .     XXXX.
11248 129.          .         .         .      o  .         .         .         .         .         .         .     LXXX.
11254 130.          .         .         o         .         .         .         .         .         .         .     LXXX.
11300 131.  . . . . . . . . . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .XXX.
11306 132.          .         .o        .         .         .         .         .         .         .         .      LXX.
11312 133.          .       o .         .         .         .         .         .         .         .         .      XXX.
11318 134.          .     o   .         .         .         .         .         .         .         .         .       XX.
11324 135.          .   o     .         .         .         .         .         .         .         .         .      LXX.
11330 136.          .  o      .         .         .         .         .         .         .         .         .       XX.
11336 137.          .o        .         .         .         .         .         .         .         .         .       XX.
11342 138.          o         .         .         .         .         .         .         .         .         .       XX.
11348 139.         o.         .         .         .         .         .         .         .         .         .       XX.
11354 140.         o.         .         .         .         .         .         .         .         .         .       XX.
11400 141.  . . . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11406 142.       o  .         .         .         .         .         .         .         .         .         .       XX.
11412 143.      o   .         .         .         .         .         .         .         .         .         .       XX.
11418 144.      o   .         .         .         .         .         .         .         .         .         .       LX.
11424 145.      o   .         .         .         .         .         .         .         .         .         .       LX.
11430 146.     o    .         .         .         .         .         .         .         .         .         .       XX.
11436 147.     o    .         .         .         .         .         .         .         .         .         .       LX.
11442 148.     o    .         .         .         .         .         .         .         .         .         .       LX.
11448 149.     o    .         .         .         .         .         .         .         .         .         .        X.
11454 150.     o    .         .         .         .         .         .         .         .         .         .       LX.
11500 151.  . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11506 152.    o     .         .         .         .         .         .         .         .         .         .       LX.
11512 153.    o     .         .         .         .         .         .         .         .         .         .        X.
11518 154.    o     .         .         .         .         .         .         .         .         .         .       LX.
11524 155.    o     .         .         .         .         .         .         .         .         .         .        X.
11530 156.    o     .         .         .         .         .         .         .         .         .         .        X.
11536 157.    o     .         .         .         .         .         .         .         .         .         .       LX.
11542 158.    o     .         .         .         .         .         .         .         .         .         .        X.
11548 159.   o      .         .         .         .         .         .         .         .         .         .        X.
11554 160.   o      .         .         .         .         .         .         .         .         .         .        X.
11600 161.  . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.   o      .         .         .         .         .         .         .         .         .         .        X.
11612 163.   o      .         .         .         .         .         .         .         .         .         .        X.
11618 164.   o      .         .         .         .         .         .         .         .         .         .        X.
11624 165.   o      .         .         .         .         .         .         .         .         .         .        X.
11630 166.   o      .         .         .         .         .         .         .         .         .         .        X.
11636 167.   o      .         .         .         .         .         .         .         .         .         .        X.
11642 168.   o      .         .         .         .         .         .         .         .         .         .        X.
11648 169.   o      .         .         .         .         .         .         .         .         .         .        X.
11654 170.   o      .         .         .         .         .         .         .         .         .         .        X.
11700 171. .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.  o       .         .         .         .         .         .         .         .         .         .        X.
11712 173.  o       .         .         .         .         .         .         .         .         .         .        X.
11718 174.  o       .         .         .         .         .         .         .         .         .         .        X.
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11724 175.  O    .         .         .         .         .         .         .         .         .         .         .         .         X.
11730 176.  O    .         .         .         .         .         .         .         .         .         .         .         .          .
11736 177. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11742 178. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11748 179. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11754 180. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11800 181. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11812 183. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11818 184. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11824 185. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11830 186. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11836 187. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11842 188. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11848 189. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11854 190. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11912 193. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11918 194. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11924 195. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11930 196. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11936 197. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11942 198. O     .         .         .         .         .         .         .         .         .         .         .         .          .
11948 199. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
11954 200. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12012 203. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
12018 204. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12024 205. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12030 206. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12036 207. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
12042 208. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12048 209. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12054 210. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O     .         .         .         .         .         .         .         .         .         .         .         .         X.
12112 213. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12118 214. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12124 215. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12130 216. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12136 217. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12142 218.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12148 219.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12154 220.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12200 221.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12212 223.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12218 224. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12224 225. O     .         .         .         .         .         .         .         .         .         .         .         .          .
12230 226.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12236 227.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12242 228.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12248 229.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12254 230.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12300 231.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12312 233.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12318 234.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12324 235.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12330 236.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12336 237.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12342 238.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12348 239.O      .         .         .         .         .         .         .         .         .         .         .         .          .
12354 240.O      .         .         .         .         .         .         .         .         .         .         .         .          .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1
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            *            *
132 KK      *   A TO F   *
            *            *
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134 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           2  PRINT CONTROL
                      IPLOT           2  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE

               HYDROGRAPH ROUTING DATA

135 RT          TATUM OR STRADDLE-STAGGER ROUTING
                      NSTPS           0  NUMBER OF TATUM STEPS
                      NSTDL           0  NUMBER OF ORDINATES TO BE AVERAGED
                      LAG             3  NUMBER OF INTERVALS TO LAG HYDROGRAPH

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                                     HYDROGRAPH AT STATION    A TO F
                                        PLAN 1,    RATIO =    .54

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DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	*	1		0606	62	0.	*	1		1212	123	13.	*	1		1818	184	4.
1		0006	2	0.	*	1		0612	63	0.	*	1		1218	124	20.	*	1		1824	185	4.
1		0012	3	0.	*	1		0618	64	0.	*	1		1224	125	32.	*	1		1830	186	4.

1	0018	4	0.	*	1	0624	65	0.	*	1	1230	126	49.	*	1	1836	187	4.	
1	0024	5	0.	*	1	0630	66	0.	*	1	1236	127	66.	*	1	1842	188	4.	
1	0030	6	0.	*	1	0636	67	0.	*	1	1242	128	78.	*	1	1848	189	4.	
1	0036	7	0.	*	1	0642	68	0.	*	1	1248	129	83.	*	1	1854	190	4.	
1	0042	8	0.	*	1	0648	69	0.	*	1	1254	130	79.	*	1	1900	191	4.	
1	0048	9	0.	*	1	0654	70	0.	*	1	1300	131	70.	*	1	1906	192	4.	
1	0054	10	0.	*	1	0700	71	0.	*	1	1306	132	60.	*	1	1912	193	4.	
1	0100	11	0.	*	1	0706	72	0.	*	1	1312	133	50.	*	1	1918	194	4.	
1	0106	12	0.	*	1	0712	73	0.	*	1	1318	134	42.	*	1	1924	195	4.	
1	0112	13	0.	*	1	0718	74	0.	*	1	1324	135	36.	*	1	1930	196	4.	
1	0118	14	0.	*	1	0724	75	0.	*	1	1330	136	31.	*	1	1936	197	4.	
1	0124	15	0.	*	1	0730	76	0.	*	1	1336	137	27.	*	1	1942	198	3.	
1	0130	16	0.	*	1	0736	77	0.	*	1	1342	138	24.	*	1	1948	199	3.	
1	0136	17	0.	*	1	0742	78	0.	*	1	1348	139	22.	*	1	1954	200	3.	
1	0142	18	0.	*	1	0748	79	0.	*	1	1354	140	20.	*	1	2000	201	3.	
1	0148	19	0.	*	1	0754	80	0.	*	1	1400	141	18.	*	1	2006	202	3.	
1	0154	20	0.	*	1	0800	81	0.	*	1	1406	142	17.	*	1	2012	203	3.	
1	0200	21	0.	*	1	0806	82	0.	*	1	1412	143	15.	*	1	2018	204	3.	
1	0206	22	0.	*	1	0812	83	0.	*	1	1418	144	15.	*	1	2024	205	3.	
1	0212	23	0.	*	1	0818	84	0.	*	1	1424	145	14.	*	1	2030	206	3.	
1	0218	24	0.	*	1	0824	85	0.	*	1	1430	146	13.	*	1	2036	207	3.	
1	0224	25	0.	*	1	0830	86	0.	*	1	1436	147	12.	*	1	2042	208	3.	
1	0230	26	0.	*	1	0836	87	0.	*	1	1442	148	12.	*	1	2048	209	3.	
1	0236	27	0.	*	1	0842	88	0.	*	1	1448	149	11.	*	1	2054	210	3.	
1	0242	28	0.	*	1	0848	89	0.	*	1	1454	150	11.	*	1	2100	211	3.	
1	0248	29	0.	*	1	0854	90	0.	*	1	1500	151	11.	*	1	2106	212	3.	
1	0254	30	0.	*	1	0900	91	0.	*	1	1506	152	10.	*	1	2112	213	3.	
1	0300	31	0.	*	1	0906	92	0.	*	1	1512	153	10.	*	1	2118	214	3.	
1	0306	32	0.	*	1	0912	93	0.	*	1	1518	154	10.	*	1	2124	215	3.	
1	0312	33	0.	*	1	0918	94	0.	*	1	1524	155	9.	*	1	2130	216	3.	
1	0318	34	0.	*	1	0924	95	0.	*	1	1530	156	9.	*	1	2136	217	3.	
1	0324	35	0.	*	1	0930	96	0.	*	1	1536	157	9.	*	1	2142	218	3.	
1	0330	36	0.	*	1	0936	97	0.	*	1	1542	158	9.	*	1	2148	219	3.	
1	0336	37	0.	*	1	0942	98	0.	*	1	1548	159	9.	*	1	2154	220	3.	
1	0342	38	0.	*	1	0948	99	0.	*	1	1554	160	8.	*	1	2200	221	3.	
1	0348	39	0.	*	1	0954	100	0.	*	1	1600	161	8.	*	1	2206	222	3.	
1	0354	40	0.	*	1	1000	101	0.	*	1	1606	162	8.	*	1	2212	223	3.	
1	0400	41	0.	*	1	1006	102	1.	*	1	1612	163	8.	*	1	2218	224	3.	
1	0406	42	0.	*	1	1012	103	1.	*	1	1618	164	8.	*	1	2224	225	3.	
1	0412	43	0.	*	1	1018	104	1.	*	1	1624	165	8.	*	1	2230	226	3.	
1	0418	44	0.	*	1	1024	105	1.	*	1	1630	166	7.	*	1	2236	227	3.	
1	0424	45	0.	*	1	1030	106	1.	*	1	1636	167	7.	*	1	2242	228	3.	
1	0430	46	0.	*	1	1036	107	1.	*	1	1642	168	7.	*	1	2248	229	3.	
1	0436	47	0.	*	1	1042	108	2.	*	1	1648	169	7.	*	1	2254	230	3.	
1	0442	48	0.	*	1	1048	109	2.	*	1	1654	170	7.	*	1	2300	231	3.	
1	0448	49	0.	*	1	1054	110	2.	*	1	1700	171	7.	*	1	2306	232	3.	
1	0454	50	0.	*	1	1100	111	2.	*	1	1706	172	7.	*	1	2312	233	3.	
1	0500	51	0.	*	1	1106	112	3.	*	1	1712	173	7.	*	1	2318	234	2.	
1	0506	52	0.	*	1	1112	113	3.	*	1	1718	174	6.	*	1	2324	235	2.	
1	0512	53	0.	*	1	1118	114	3.	*	1	1724	175	6.	*	1	2330	236	2.	
1	0518	54	0.	*	1	1124	115	4.	*	1	1730	176	5.	*	1	2336	237	2.	
1	0524	55	0.	*	1	1130	116	4.	*	1	1736	177	5.	*	1	2342	238	2.	
1	0530	56	0.	*	1	1136	117	5.	*	1	1742	178	5.	*	1	2348	239	2.	
1	0536	57	0.	*	1	1142	118	5.	*	1	1748	179	5.	*	1	2354	240	2.	
1	0542	58	0.	*	1	1148	119	6.	*	1	1754	180	5.	*	2	0000	241	2.	
1	0548	59	0.	*	1	1154	120	7.	*	1	1800	181	4.	*					
1	0554	60	0.	*	1	1200	121	8.	*	1	1806	182	4.	*					
1	0600	61	0.	*	1	1206	122	10.	*	1	1812	183	4.	*					
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  PEAK FLOW      TIME                                MAXIMUM AVERAGE FLOW
                                           6-HR         24-HR        72-HR       24.00-HR
+   (CFS)        (HR)
                                (CFS)
+      83.       12.80                      20.            6.           6.            6.
                               (INCHES)    1.680         2.023        2.023         2.023
                               (AC-FT)      10.           12.          12.           12.

                               CUMULATIVE AREA =      .11 SQ MI

1                                                        STATION    A TO F

                             (I) INFLOW,    (O) OUTFLOW
             0.        10.        20.        30.        40.        50.        60.        70.        80.        90.        0.        0.        0.
DAHRMN PER
 10000   1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2I         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3I         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4I         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5I         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6I         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7I         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8I         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9I         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10I         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12I         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13I         .         .         .         .         .         .         .         .         .         .         .         .
 10118  14I         .         .         .         .         .         .         .         .         .         .         .         .
 10124  15I         .         .         .         .         .         .         .         .         .         .         .         .
 10130  16I         .         .         .         .         .         .         .         .         .         .         .         .
 10136  17I         .         .         .         .         .         .         .         .         .         .         .         .
 10142  18I         .         .         .         .         .         .         .         .         .         .         .         .
 10148  19I         .         .         .         .         .         .         .         .         .         .         .         .
 10154  20I         .         .         .         .         .         .         .         .         .         .         .         .
 10200  21I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  22I         .         .         .         .         .         .         .         .         .         .         .         .
 10212  23I         .         .         .         .         .         .         .         .         .         .         .         .
 10218  24I         .         .         .         .         .         .         .         .         .         .         .         .
 10224  25I         .         .         .         .         .         .         .         .         .         .         .         .
 10230  26I         .         .         .         .         .         .         .         .         .         .         .         .
 10236  27I         .         .         .         .         .         .         .         .         .         .         .         .
 10242  28I         .         .         .         .         .         .         .         .         .         .         .         .
 10248  29I         .         .         .         .         .         .         .         .         .         .         .         .
 10254  30I         .         .         .         .         .         .         .         .         .         .         .         .
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10300  31I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  32I         .         .         .         .         .         .         .         .         .         .         .         .
10312  33I         .         .         .         .         .         .         .         .         .         .         .         .
10318  34I         .         .         .         .         .         .         .         .         .         .         .         .
10324  35I         .         .         .         .         .         .         .         .         .         .         .         .
10330  36I         .         .         .         .         .         .         .         .         .         .         .         .
10336  37I         .         .         .         .         .         .         .         .         .         .         .         .
10342  38I         .         .         .         .         .         .         .         .         .         .         .         .
10348  39I         .         .         .         .         .         .         .         .         .         .         .         .
10354  40I         .         .         .         .         .         .         .         .         .         .         .         .
10400  41I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  42I         .         .         .         .         .         .         .         .         .         .         .         .
10412  43I         .         .         .         .         .         .         .         .         .         .         .         .
10418  44I         .         .         .         .         .         .         .         .         .         .         .         .
10424  45I         .         .         .         .         .         .         .         .         .         .         .         .
10430  46I         .         .         .         .         .         .         .         .         .         .         .         .
10436  47I         .         .         .         .         .         .         .         .         .         .         .         .
10442  48I         .         .         .         .         .         .         .         .         .         .         .         .
10448  49I         .         .         .         .         .         .         .         .         .         .         .         .
10454  50I         .         .         .         .         .         .         .         .         .         .         .         .
10500  51I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10506  52I         .         .         .         .         .         .         .         .         .         .         .         .
10512  53I         .         .         .         .         .         .         .         .         .         .         .         .
10518  54I         .         .         .         .         .         .         .         .         .         .         .         .
10524  55I         .         .         .         .         .         .         .         .         .         .         .         .
10530  56I         .         .         .         .         .         .         .         .         .         .         .         .
10536  57I         .         .         .         .         .         .         .         .         .         .         .         .
10542  58I         .         .         .         .         .         .         .         .         .         .         .         .
10548  59I         .         .         .         .         .         .         .         .         .         .         .         .
10554  60I         .         .         .         .         .         .         .         .         .         .         .         .
10600  61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  62I         .         .         .         .         .         .         .         .         .         .         .         .
10612  63I         .         .         .         .         .         .         .         .         .         .         .         .
10618  64I         .         .         .         .         .         .         .         .         .         .         .         .
10624  65I         .         .         .         .         .         .         .         .         .         .         .         .
10630  66I         .         .         .         .         .         .         .         .         .         .         .         .
10636  67I         .         .         .         .         .         .         .         .         .         .         .         .
10642  68I         .         .         .         .         .         .         .         .         .         .         .         .
10648  69I         .         .         .         .         .         .         .         .         .         .         .         .
10654  70I         .         .         .         .         .         .         .         .         .         .         .         .
10700  71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10706  72I         .         .         .         .         .         .         .         .         .         .         .         .
10712  73I         .         .         .         .         .         .         .         .         .         .         .         .
10718  74I         .         .         .         .         .         .         .         .         .         .         .         .
10724  75I         .         .         .         .         .         .         .         .         .         .         .         .
10730  76I         .         .         .         .         .         .         .         .         .         .         .         .
10736  77I         .         .         .         .         .         .         .         .         .         .         .         .
10742  78I         .         .         .         .         .         .         .         .         .         .         .         .
10748  79I         .         .         .         .         .         .         .         .         .         .         .         .
10754  80I         .         .         .         .         .         .         .         .         .         .         .         .
10800  81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  82I         .         .         .         .         .         .         .         .         .         .         .         .
10812  83I         .         .         .         .         .         .         .         .         .         .         .         .
10818  84I         .         .         .         .         .         .         .         .         .         .         .         .
10824  85I         .         .         .         .         .         .         .         .         .         .         .         .
10830  86I         .         .         .         .         .         .         .         .         .         .         .         .
10836  87I         .         .         .         .         .         .         .         .         .         .         .         .
10842  88I         .         .         .         .         .         .         .         .         .         .         .         .
10848  89I         .         .         .         .         .         .         .         .         .         .         .         .
10854  90I         .         .         .         .         .         .         .         .         .         .         .         .
10900  91I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  92I         .         .         .         .         .         .         .         .         .         .         .         .
10912  93I         .         .         .         .         .         .         .         .         .         .         .         .
10918  94I         .         .         .         .         .         .         .         .         .         .         .         .
10924  95I         .         .         .         .         .         .         .         .         .         .         .         .
10930  96I         .         .         .         .         .         .         .         .         .         .         .         .
10936  97I         .         .         .         .         .         .         .         .         .         .         .         .
10942  98I         .         .         .         .         .         .         .         .         .         .         .         .
10948  99OI        .         .         .         .         .         .         .         .         .         .         .         .
10954 100OI        .         .         .         .         .         .         .         .         .         .         .         .
11000 101OI. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 102.I        .         .         .         .         .         .         .         .         .         .         .         .
11012 103.I        .         .         .         .         .         .         .         .         .         .         .         .
11018 104.I        .         .         .         .         .         .         .         .         .         .         .         .
11024 105.OI       .         .         .         .         .         .         .         .         .         .         .         .
11030 106.OI       .         .         .         .         .         .         .         .         .         .         .         .
11036 107.OI       .         .         .         .         .         .         .         .         .         .         .         .
11042 108. I       .         .         .         .         .         .         .         .         .         .         .         .
11048 109. OI      .         .         .         .         .         .         .         .         .         .         .         .
11054 110. OI      .         .         .         .         .         .         .         .         .         .         .         .
11100 111. OI. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11112 113.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11118 114.  O I    .         .         .         .         .         .         .         .         .         .         .         .
11124 115.   OI    .         .         .         .         .         .         .         .         .         .         .         .
11130 116.   O I   .         .         .         .         .         .         .         .         .         .         .         .
11136 117.    O I  .         .         .         .         .         .         .         .         .         .         .         .
11142 118.    O  I .         .         .         .         .         .         .         .         .         .         .         .
11148 119.     O   I         .         .         .         .         .         .         .         .         .         .         .
11154 120.      O  .  I      .         .         .         .         .         .         .         .         .         .         .
11200 121. . . . O . . . . . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         O         .         . I       .         .         .         .         .         .         .         .         .
11212 123.         .  O      .         .         .        I.         .         .         .         .         .         .         .
11218 124.         .         O         .         .         .         .     I   .         .         .         .         .         .
11224 125.         .         .         . O       .         .         .         .       I .         .         .         .         .
11230 126.         .         .         .         .        O.         .         .  I      .         .         .         .
11236 127.         .         .         .         .         .         .    O   .        I.         .         .         .         .
11242 128.         .         .         .         .         .         .         I       O .         .         .         .         .
11248 129.         .         .         .         .         .         I         .         .  O      .         .         .         .
11254 130.         .         .         .         .         I         .         .        O.         .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . I . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .     I   .         .         O         .         .         .         .         .         .
11312 133.         .         .         I        .         O         .         .         .         .         .         .         .
11318 134.         .         .      I  .         . O       .         .         .         .         .         .         .         .
11324 135.         .         .   I     .     O   .         .         .         .         .         .         .         .         .
11330 136.         .         . I       .O        .         .         .         .         .         .         .         .         .
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11336 137.         .         I      O  .         .         .         .         .         .         .         .         .         .
11342 138.         .       I .   O     .         .         .         .         .         .         .         .         .         .
11348 139.         .      I  . O       .         .         .         .         .         .         .         .         .         .
11354 140.         .    I    O         .         .         .         .         .         .         .         .         .         .
11400 141. . . . . . .I. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .   I  O  .         .         .         .         .         .         .         .         .         .         .
11412 143.         .  I O    .         .         .         .         .         .         .         .         .         .         .
11418 144.         . I  O    .         .         .         .         .         .         .         .         .         .         .
11424 145.         . I O     .         .         .         .         .         .         .         .         .         .         .
11430 146.         .I O      .         .         .         .         .         .         .         .         .         .         .
11436 147.         .IO       .         .         .         .         .         .         .         .         .         .         .
11442 148.         .IO       .         .         .         .         .         .         .         .         .         .         .
11448 149.         IO        .         .         .         .         .         .         .         .         .         .         .
11454 150.         IO        .         .         .         .         .         .         .         .         .         .         .
11500 151. . . . . IO. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.        IO         .         .         .         .         .         .         .         .         .         .         .
11512 153.        IO         .         .         .         .         .         .         .         .         .         .         .
11518 154.        IO         .         .         .         .         .         .         .         .         .         .         .
11524 155.        I.         .         .         .         .         .         .         .         .         .         .         .
11530 156.        I.         .         .         .         .         .         .         .         .         .         .         .
11536 157.       IO.         .         .         .         .         .         .         .         .         .         .         .
11542 158.       IO.         .         .         .         .         .         .         .         .         .         .         .
11548 159.       IO.         .         .         .         .         .         .         .         .         .         .         .
11554 160.       I .         .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.       I .         .         .         .         .         .         .         .         .         .         .         .
11612 163.      IO .         .         .         .         .         .         .         .         .         .         .         .
11618 164.      IO .         .         .         .         .         .         .         .         .         .         .         .
11624 165.      IO .         .         .         .         .         .         .         .         .         .         .         .
11630 166.      I  .         .         .         .         .         .         .         .         .         .         .         .
11636 167.      I  .         .         .         .         .         .         .         .         .         .         .         .
11642 168.      I  .         .         .         .         .         .         .         .         .         .         .         .
11648 169.      I  .         .         .         .         .         .         .         .         .         .         .         .
11654 170.      I  .         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . IO. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.     IO  .         .         .         .         .         .         .         .         .         .         .         .
11712 173.    I O  .         .         .         .         .         .         .         .         .         .         .         .
11718 174.    IO   .         .         .         .         .         .         .         .         .         .         .         .
11724 175.    IO   .         .         .         .         .         .         .         .         .         .         .         .
11730 176.    I    .         .         .         .         .         .         .         .         .         .         .         .
11736 177.    I    .         .         .         .         .         .         .         .         .         .         .         .
11742 178.   IO    .         .         .         .         .         .         .         .         .         .         .         .
11748 179.   IO    .         .         .         .         .         .         .         .         .         .         .         .
11754 180.   IO    .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.   I     .         .         .         .         .         .         .         .         .         .         .         .
11812 183.   I     .         .         .         .         .         .         .         .         .         .         .         .
11818 184.   I     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.   I     .         .         .         .         .         .         .         .         .         .         .         .
11830 186.   I     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.   I     .         .         .         .         .         .         .         .         .         .         .         .
11842 188.   I     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.   I     .         .         .         .         .         .         .         .         .         .         .         .
11854 190.   I     .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.   I     .         .         .         .         .         .         .         .         .         .         .         .
11912 193.   I     .         .         .         .         .         .         .         .         .         .         .         .
11918 194.   I     .         .         .         .         .         .         .         .         .         .         .         .
11924 195.  IO     .         .         .         .         .         .         .         .         .         .         .         .
11930 196.  IO     .         .         .         .         .         .         .         .         .         .         .         .
11936 197.  IO     .         .         .         .         .         .         .         .         .         .         .         .
11942 198.  I      .         .         .         .         .         .         .         .         .         .         .         .
11948 199.  I      .         .         .         .         .         .         .         .         .         .         .         .
11954 200.  I      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  I      .         .         .         .         .         .         .         .         .         .         .         .
12012 203.  I      .         .         .         .         .         .         .         .         .         .         .         .
12018 204.  I      .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  I      .         .         .         .         .         .         .         .         .         .         .         .
12030 206.  I      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.  I      .         .         .         .         .         .         .         .         .         .         .         .
12042 208.  I      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  I      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.  I      .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  I      .         .         .         .         .         .         .         .         .         .         .         .
12112 213.  I      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  I      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  I      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  I      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  I      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  I      .         .         .         .         .         .         .         .         .         .         .         .
12148 219.  I      .         .         .         .         .         .         .         .         .         .         .         .
12154 220.  I      .         .         .         .         .         .         .         .         .         .         .         .
12200 221. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.  I      .         .         .         .         .         .         .         .         .         .         .         .
12212 223.  I      .         .         .         .         .         .         .         .         .         .         .         .
12218 224.  I      .         .         .         .         .         .         .         .         .         .         .         .
12224 225.  I      .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  I      .         .         .         .         .         .         .         .         .         .         .         .
12236 227.  I      .         .         .         .         .         .         .         .         .         .         .         .
12242 228.  I      .         .         .         .         .         .         .         .         .         .         .         .
12248 229.  I      .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  I      .         .         .         .         .         .         .         .         .         .         .         .
12300 231. IO. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. IO      .         .         .         .         .         .         .         .         .         .         .         .
12312 233. IO      .         .         .         .         .         .         .         .         .         .         .         .
12318 234. I       .         .         .         .         .         .         .         .         .         .         .         .
12324 235. I       .         .         .         .         .         .         .         .         .         .         .         .
12330 236. I       .         .         .         .         .         .         .         .         .         .         .         .
12336 237. I       .         .         .         .         .         .         .         .         .         .         .         .
12342 238. I       .         .         .         .         .         .         .         .         .         .         .         .
12348 239. I       .         .         .         .         .         .         .         .         .         .         .         .
12354 240. I       .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-I-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION A TO F
PLAN 1, RATIO = .63

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	19.	1		1818	184	5.
1		0006	2	0.	1		0612	63	0.	1		1218	124	28.	1		1824	185	5.
1		0012	3	0.	1		0618	64	0.	1		1224	125	43.	1		1830	186	5.
1		0018	4	0.	1		0624	65	0.	1		1230	126	65.	1		1836	187	5.
1		0024	5	0.	1		0630	66	0.	1		1236	127	86.	1		1842	188	5.
1		0030	6	0.	1		0636	67	0.	1		1242	128	101.	1		1848	189	5.
1		0036	7	0.	1		0642	68	0.	1		1248	129	106.	1		1854	190	5.
1		0042	8	0.	1		0648	69	0.	1		1254	130	101.	1		1900	191	5.
1		0048	9	0.	1		0654	70	0.	1		1300	131	89.	1		1906	192	4.
1		0054	10	0.	1		0700	71	0.	1		1306	132	76.	1		1912	193	4.
1		0100	11	0.	1		0706	72	0.	1		1312	133	63.	1		1918	194	4.
1		0106	12	0.	1		0712	73	0.	1		1318	134	53.	1		1924	195	4.
1		0112	13	0.	1		0718	74	0.	1		1324	135	45.	1		1930	196	4.
1		0118	14	0.	1		0724	75	0.	1		1330	136	39.	1		1936	197	4.
1		0124	15	0.	1		0730	76	0.	1		1336	137	34.	1		1942	198	4.
1		0130	16	0.	1		0736	77	0.	1		1342	138	30.	1		1948	199	4.
1		0136	17	0.	1		0742	78	0.	1		1348	139	27.	1		1954	200	4.
1		0142	18	0.	1		0748	79	0.	1		1354	140	24.	1		2000	201	4.
1		0148	19	0.	1		0754	80	0.	1		1400	141	22.	1		2006	202	4.
1		0154	20	0.	1		0800	81	0.	1		1406	142	21.	1		2012	203	4.
1		0200	21	0.	1		0806	82	0.	1		1412	143	19.	1		2018	204	4.
1		0206	22	0.	1		0812	83	0.	1		1418	144	18.	1		2024	205	4.
1		0212	23	0.	1		0818	84	0.	1		1424	145	17.	1		2030	206	4.
1		0218	24	0.	1		0824	85	0.	1		1430	146	16.	1		2036	207	4.
1		0224	25	0.	1		0830	86	0.	1		1436	147	15.	1		2042	208	4.
1		0230	26	0.	1		0836	87	0.	1		1442	148	15.	1		2048	209	4.
1		0236	27	0.	1		0842	88	0.	1		1448	149	14.	1		2054	210	4.
1		0242	28	0.	1		0848	89	0.	1		1454	150	14.	1		2100	211	4.
1		0248	29	0.	1		0854	90	0.	1		1500	151	13.	1		2106	212	4.
1		0254	30	0.	1		0900	91	0.	1		1506	152	13.	1		2112	213	4.
1		0300	31	0.	1		0906	92	0.	1		1512	153	12.	1		2118	214	4.
1		0306	32	0.	1		0912	93	0.	1		1518	154	12.	1		2124	215	4.
1		0312	33	0.	1		0918	94	0.	1		1524	155	12.	1		2130	216	4.
1		0318	34	0.	1		0924	95	1.	1		1530	156	11.	1		2136	217	4.
1		0324	35	0.	1		0930	96	1.	1		1536	157	11.	1		2142	218	4.
1		0330	36	0.	1		0936	97	1.	1		1542	158	11.	1		2148	219	4.
1		0336	37	0.	1		0942	98	1.	1		1548	159	11.	1		2154	220	3.
1		0342	38	0.	1		0948	99	1.	1		1554	160	10.	1		2200	221	3.
1		0348	39	0.	1		0954	100	1.	1		1600	161	10.	1		2206	222	3.
1		0354	40	0.	1		1000	101	1.	1		1606	162	10.	1		2212	223	3.
1		0400	41	0.	1		1006	102	2.	1		1612	163	10.	1		2218	224	3.
1		0406	42	0.	1		1012	103	2.	1		1618	164	10.	1		2224	225	3.
1		0412	43	0.	1		1018	104	2.	1		1624	165	9.	1		2230	226	3.
1		0418	44	0.	1		1024	105	2.	1		1630	166	9.	1		2236	227	3.
1		0424	45	0.	1		1030	106	2.	1		1636	167	9.	1		2242	228	3.
1		0430	46	0.	1		1036	107	3.	1		1642	168	9.	1		2248	229	3.
1		0436	47	0.	1		1042	108	3.	1		1648	169	9.	1		2254	230	3.
1		0442	48	0.	1		1048	109	3.	1		1654	170	9.	1		2300	231	3.
1		0448	49	0.	1		1054	110	4.	1		1700	171	8.	1		2306	232	3.
1		0454	50	0.	1		1100	111	4.	1		1706	172	8.	1		2312	233	3.
1		0500	51	0.	1		1106	112	4.	1		1712	173	8.	1		2318	234	3.
1		0506	52	0.	1		1112	113	5.	1		1718	174	8.	1		2324	235	3.
1		0512	53	0.	1		1118	114	5.	1		1724	175	7.	1		2330	236	3.
1		0518	54	0.	1		1124	115	6.	1		1730	176	7.	1		2336	237	3.
1		0524	55	0.	1		1130	116	6.	1		1736	177	6.	1		2342	238	3.
1		0530	56	0.	1		1136	117	7.	1		1742	178	6.	1		2348	239	3.
1		0536	57	0.	1		1142	118	8.	1		1748	179	6.	1		2354	240	3.
1		0542	58	0.	1		1148	119	9.	1		1754	180	6.	2		0000	241	3.
1		0548	59	0.	1		1154	120	10.	1		1800	181	5.					
1		0554	60	0.	1		1200	121	12.	1		1806	182	5.					
1		0600	61	0.	1		1206	122	14.	1		1812	183	5.					

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 PEAK FLOW      TIME                        MAXIMUM AVERAGE FLOW
                                    6-HR        24-HR       72-HR      24.00-HR
+   (CFS)       (HR)
                          (CFS)
+    106.      12.80                 25.          8.          8.          8.
                        (INCHES)   2.142       2.591       2.591       2.591
                        (AC-FT)      13.         15.         15.         15.

                        CUMULATIVE AREA =     .11 SQ MI
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1                                               STATION   A TO F

                         (I) INFLOW,   (O) OUTFLOW
        0.        20.        40.        60.        80.        100.       120.        0.         0.         0.         0.         0.         0.
DAHRMN PER
 10000   1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2I         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3I         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4I         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5I         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6I         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7I         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8I         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9I         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10I         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12I         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13I         .         .         .         .         .         .         .         .         .         .         .         .
 10118  14I         .         .         .         .         .         .         .         .         .         .         .         .
 10124  15I         .         .         .         .         .         .         .         .         .         .         .         .
 10130  16I         .         .         .         .         .         .         .         .         .         .         .         .
 10136  17I         .         .         .         .         .         .         .         .         .         .         .         .
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10142  18I         .         .         .         .         .         .         .         .         .         .         .         .
10148  19I         .         .         .         .         .         .         .         .         .         .         .         .
10154  20I         .         .         .         .         .         .         .         .         .         .         .         .
10200  21I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  22I         .         .         .         .         .         .         .         .         .         .         .         .
10212  23I         .         .         .         .         .         .         .         .         .         .         .         .
10218  24I         .         .         .         .         .         .         .         .         .         .         .         .
10224  25I         .         .         .         .         .         .         .         .         .         .         .         .
10230  26I         .         .         .         .         .         .         .         .         .         .         .         .
10236  27I         .         .         .         .         .         .         .         .         .         .         .         .
10242  28I         .         .         .         .         .         .         .         .         .         .         .         .
10248  29I         .         .         .         .         .         .         .         .         .         .         .         .
10254  30I         .         .         .         .         .         .         .         .         .         .         .         .
10300  31I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  32I         .         .         .         .         .         .         .         .         .         .         .         .
10312  33I         .         .         .         .         .         .         .         .         .         .         .         .
10318  34I         .         .         .         .         .         .         .         .         .         .         .         .
10324  35I         .         .         .         .         .         .         .         .         .         .         .         .
10330  36I         .         .         .         .         .         .         .         .         .         .         .         .
10336  37I         .         .         .         .         .         .         .         .         .         .         .         .
10342  38I         .         .         .         .         .         .         .         .         .         .         .         .
10348  39I         .         .         .         .         .         .         .         .         .         .         .         .
10354  40I         .         .         .         .         .         .         .         .         .         .         .         .
10400  41I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  42I         .         .         .         .         .         .         .         .         .         .         .         .
10412  43I         .         .         .         .         .         .         .         .         .         .         .         .
10418  44I         .         .         .         .         .         .         .         .         .         .         .         .
10424  45I         .         .         .         .         .         .         .         .         .         .         .         .
10430  46I         .         .         .         .         .         .         .         .         .         .         .         .
10436  47I         .         .         .         .         .         .         .         .         .         .         .         .
10442  48I         .         .         .         .         .         .         .         .         .         .         .         .
10448  49I         .         .         .         .         .         .         .         .         .         .         .         .
10454  50I         .         .         .         .         .         .         .         .         .         .         .         .
10500  51I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10506  52I         .         .         .         .         .         .         .         .         .         .         .         .
10512  53I         .         .         .         .         .         .         .         .         .         .         .         .
10518  54I         .         .         .         .         .         .         .         .         .         .         .         .
10524  55I         .         .         .         .         .         .         .         .         .         .         .         .
10530  56I         .         .         .         .         .         .         .         .         .         .         .         .
10536  57I         .         .         .         .         .         .         .         .         .         .         .         .
10542  58I         .         .         .         .         .         .         .         .         .         .         .         .
10548  59I         .         .         .         .         .         .         .         .         .         .         .         .
10554  60I         .         .         .         .         .         .         .         .         .         .         .         .
10600  61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  62I         .         .         .         .         .         .         .         .         .         .         .         .
10612  63I         .         .         .         .         .         .         .         .         .         .         .         .
10618  64I         .         .         .         .         .         .         .         .         .         .         .         .
10624  65I         .         .         .         .         .         .         .         .         .         .         .         .
10630  66I         .         .         .         .         .         .         .         .         .         .         .         .
10636  67I         .         .         .         .         .         .         .         .         .         .         .         .
10642  68I         .         .         .         .         .         .         .         .         .         .         .         .
10648  69I         .         .         .         .         .         .         .         .         .         .         .         .
10654  70I         .         .         .         .         .         .         .         .         .         .         .         .
10700  71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10706  72I         .         .         .         .         .         .         .         .         .         .         .         .
10712  73I         .         .         .         .         .         .         .         .         .         .         .         .
10718  74I         .         .         .         .         .         .         .         .         .         .         .         .
10724  75I         .         .         .         .         .         .         .         .         .         .         .         .
10730  76I         .         .         .         .         .         .         .         .         .         .         .         .
10736  77I         .         .         .         .         .         .         .         .         .         .         .         .
10742  78I         .         .         .         .         .         .         .         .         .         .         .         .
10748  79I         .         .         .         .         .         .         .         .         .         .         .         .
10754  80I         .         .         .         .         .         .         .         .         .         .         .         .
10800  81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  82I         .         .         .         .         .         .         .         .         .         .         .         .
10812  83I         .         .         .         .         .         .         .         .         .         .         .         .
10818  84I         .         .         .         .         .         .         .         .         .         .         .         .
10824  85I         .         .         .         .         .         .         .         .         .         .         .         .
10830  86I         .         .         .         .         .         .         .         .         .         .         .         .
10836  87I         .         .         .         .         .         .         .         .         .         .         .         .
10842  88I         .         .         .         .         .         .         .         .         .         .         .         .
10848  89I         .         .         .         .         .         .         .         .         .         .         .         .
10854  90I         .         .         .         .         .         .         .         .         .         .         .         .
10900  91I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  92I         .         .         .         .         .         .         .         .         .         .         .         .
10912  93I         .         .         .         .         .         .         .         .         .         .         .         .
10918  94I         .         .         .         .         .         .         .         .         .         .         .         .
10924  95I         .         .         .         .         .         .         .         .         .         .         .         .
10930  96OI        .         .         .         .         .         .         .         .         .         .         .         .
10936  97OI        .         .         .         .         .         .         .         .         .         .         .         .
10942  98OI        .         .         .         .         .         .         .         .         .         .         .         .
10948  99.I        .         .         .         .         .         .         .         .         .         .         .         .
10954 100.I        .         .         .         .         .         .         .         .         .         .         .         .
11000 101.I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 102.I        .         .         .         .         .         .         .         .         .         .         .         .
11012 103.I        .         .         .         .         .         .         .         .         .         .         .         .
11018 104.I        .         .         .         .         .         .         .         .         .         .         .         .
11024 105.I        .         .         .         .         .         .         .         .         .         .         .         .
11030 106.OI       .         .         .         .         .         .         .         .         .         .         .         .
11036 107.OI       .         .         .         .         .         .         .         .         .         .         .         .
11042 108.OI       .         .         .         .         .         .         .         .         .         .         .         .
11048 109. I       .         .         .         .         .         .         .         .         .         .         .         .
11054 110. I       .         .         .         .         .         .         .         .         .         .         .         .
11100 111. OI. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112. OI      .         .         .         .         .         .         .         .         .         .         .         .
11112 113. OI      .         .         .         .         .         .         .         .         .         .         .         .
11118 114.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11124 115.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11130 116.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11136 117.   OI    .         .         .         .         .         .         .         .         .         .         .         .
11142 118.   O I   .         .         .         .         .         .         .         .         .         .         .         .
11148 119.   O  I  .         .         .         .         .         .         .         .         .         .         .         .
11154 120.    O   I.         .         .         .         .         .         .         .         .         .         .         .
11200 121. . . O . . . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.      O  .         . I       .         .         .         .         .         .         .         .         .         .
11212 123.        O.         .         . I       .         .         .         .         .         .         .         .         .
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11218 124.             O                            I
11224 125.                     O                           I
11230 126.                               O                   I
11236 127.                                          O      I
11242 128.                                            I    O
11248 129.                                     I             O
11254 130.                               I                 O
11300 131.                        I                   O
11306 132.                     I               O
11312 133.                  I            O
11318 134.                I        O
11324 135.              I      O
11330 136.            I     O
11336 137.           I    O
11342 138.          I   O
11348 139.         I  O
11354 140.         I O
11400 141.        I O
11406 142.       I O
11412 143.       I O
11418 144.       IO
11424 145.      IO
11430 146.      IO
11436 147.      IO
11442 148.      I
11448 149.     IO
11454 150.     IO
11500 151.     IO
11506 152.     I
11512 153.     I
11518 154.     I
11524 155.    IO
11530 156.    IO
11536 157.    IO
11542 158.    I
11548 159.    I
11554 160.    I
11600 161.    I
11606 162.    I
11612 163.    I
11618 164.   IO
11624 165.   IO
11630 166.   IO
11636 167.   I
11642 168.   I
11648 169.   I
11654 170.   I
11700 171.   I
11706 172.   I
11712 173.  IO
11718 174.  IO
11724 175.  IO
11730 176.  I
11736 177.  I
11742 178.  I
11748 179.  I
11754 180.  I
11800 181.  I
11806 182. IO
11812 183. IO
11818 184. IO
11824 185. I
11830 186. I
11836 187. I
11842 188. I
11848 189. I
11854 190. I
11900 191. I
11906 192. I
11912 193. I
11918 194. I
11924 195. I
11930 196. I
11936 197. I
11942 198. I
11948 199. I
11954 200. I
12000 201. I
12006 202. I
12012 203. I
12018 204. I
12024 205. I
12030 206. I
12036 207. I
12042 208. I
12048 209. I
12054 210. I
12100 211. I
12106 212. I
12112 213. I
12118 214. I
12124 215. I
12130 216. I
12136 217. I
12142 218. I
12148 219. I
12154 220. I
12200 221. I
12206 222. I
12212 223. I
12218 224. I
12224 225. I
12230 226. I
12236 227. I
12242 228. I
12248 229. I
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12254 230. I        .         .         .         .         .         .         .         .         .         .         .         .
12300 231. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. I        .         .         .         .         .         .         .         .         .         .         .         .
12312 233.IO        .         .         .         .         .         .         .         .         .         .         .         .
12318 234.IO        .         .         .         .         .         .         .         .         .         .         .         .
12324 235.IO        .         .         .         .         .         .         .         .         .         .         .         .
12330 236.I         .         .         .         .         .         .         .         .         .         .         .         .
12336 237.I         .         .         .         .         .         .         .         .         .         .         .         .
12342 238.I         .         .         .         .         .         .         .         .         .         .         .         .
12348 239.I         .         .         .         .         .         .         .         .         .         .         .         .
12354 240.I         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.I--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION A TO F
PLAN 1, RATIO = .76

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	28.	1		1818	184	7.
1		0006	2	0.	1		0612	63	0.	1		1218	124	40.	1		1824	185	6.
1		0012	3	0.	1		0618	64	0.	1		1224	125	62.	1		1830	186	6.
1		0018	4	0.	1		0624	65	0.	1		1230	126	90.	1		1836	187	6.
1		0024	5	0.	1		0630	66	0.	1		1236	127	119.	1		1842	188	6.
1		0030	6	0.	1		0636	67	0.	1		1242	128	139.	1		1848	189	6.
1		0036	7	0.	1		0642	68	0.	1		1248	129	145.	1		1854	190	6.
1		0042	8	0.	1		0648	69	0.	1		1254	130	137.	1		1900	191	6.
1		0048	9	0.	1		0654	70	0.	1		1300	131	121.	1		1906	192	6.
1		0054	10	0.	1		0700	71	0.	1		1306	132	102.	1		1912	193	6.
1		0100	11	0.	1		0706	72	0.	1		1312	133	85.	1		1918	194	6.
1		0106	12	0.	1		0712	73	0.	1		1318	134	71.	1		1924	195	6.
1		0112	13	0.	1		0718	74	0.	1		1324	135	60.	1		1930	196	6.
1		0118	14	0.	1		0724	75	0.	1		1330	136	51.	1		1936	197	5.
1		0124	15	0.	1		0730	76	0.	1		1336	137	45.	1		1942	198	5.
1		0130	16	0.	1		0736	77	0.	1		1342	138	40.	1		1948	199	5.
1		0136	17	0.	1		0742	78	0.	1		1348	139	35.	1		1954	200	5.
1		0142	18	0.	1		0748	79	0.	1		1354	140	32.	1		2000	201	5.
1		0148	19	0.	1		0754	80	0.	1		1400	141	29.	1		2006	202	5.
1		0154	20	0.	1		0800	81	0.	1		1406	142	27.	1		2012	203	5.
1		0200	21	0.	1		0806	82	0.	1		1412	143	25.	1		2018	204	5.
1		0206	22	0.	1		0812	83	0.	1		1418	144	23.	1		2024	205	5.
1		0212	23	0.	1		0818	84	0.	1		1424	145	22.	1		2030	206	5.
1		0218	24	0.	1		0824	85	0.	1		1430	146	21.	1		2036	207	5.
1		0224	25	0.	1		0830	86	0.	1		1436	147	20.	1		2042	208	5.
1		0230	26	0.	1		0836	87	1.	1		1442	148	19.	1		2048	209	5.
1		0236	27	0.	1		0842	88	1.	1		1448	149	18.	1		2054	210	5.
1		0242	28	0.	1		0848	89	1.	1		1454	150	18.	1		2100	211	5.
1		0248	29	0.	1		0854	90	1.	1		1500	151	17.	1		2106	212	5.
1		0254	30	0.	1		0900	91	1.	1		1506	152	17.	1		2112	213	5.
1		0300	31	0.	1		0906	92	1.	1		1512	153	16.	1		2118	214	5.
1		0306	32	0.	1		0912	93	1.	1		1518	154	15.	1		2124	215	5.
1		0312	33	0.	1		0918	94	2.	1		1524	155	15.	1		2130	216	5.
1		0318	34	0.	1		0924	95	2.	1		1530	156	15.	1		2136	217	5.
1		0324	35	0.	1		0930	96	2.	1		1536	157	14.	1		2142	218	5.
1		0330	36	0.	1		0936	97	2.	1		1542	158	14.	1		2148	219	5.
1		0336	37	0.	1		0942	98	2.	1		1548	159	14.	1		2154	220	4.
1		0342	38	0.	1		0948	99	3.	1		1554	160	13.	1		2200	221	4.
1		0348	39	0.	1		0954	100	3.	1		1600	161	13.	1		2206	222	4.
1		0354	40	0.	1		1000	101	3.	1		1606	162	13.	1		2212	223	4.
1		0400	41	0.	1		1006	102	3.	1		1612	163	13.	1		2218	224	4.
1		0406	42	0.	1		1012	103	4.	1		1618	164	12.	1		2224	225	4.
1		0412	43	0.	1		1018	104	4.	1		1624	165	12.	1		2230	226	4.
1		0418	44	0.	1		1024	105	4.	1		1630	166	12.	1		2236	227	4.
1		0424	45	0.	1		1030	106	5.	1		1636	167	12.	1		2242	228	4.
1		0430	46	0.	1		1036	107	5.	1		1642	168	11.	1		2248	229	4.
1		0436	47	0.	1		1042	108	5.	1		1648	169	11.	1		2254	230	4.
1		0442	48	0.	1		1048	109	6.	1		1654	170	11.	1		2300	231	4.
1		0448	49	0.	1		1054	110	6.	1		1700	171	11.	1		2306	232	4.
1		0454	50	0.	1		1100	111	7.	1		1706	172	11.	1		2312	233	4.
1		0500	51	0.	1		1106	112	7.	1		1712	173	10.	1		2318	234	4.
1		0506	52	0.	1		1112	113	8.	1		1718	174	10.	1		2324	235	4.
1		0512	53	0.	1		1118	114	9.	1		1724	175	9.	1		2330	236	4.
1		0518	54	0.	1		1124	115	10.	1		1730	176	9.	1		2336	237	4.
1		0524	55	0.	1		1130	116	10.	1		1736	177	8.	1		2342	238	4.
1		0530	56	0.	1		1136	117	11.	1		1742	178	8.	1		2348	239	4.
1		0536	57	0.	1		1142	118	13.	1		1748	179	7.	1		2354	240	4.
1		0542	58	0.	1		1148	119	14.	1		1754	180	7.	2		0000	241	4.
1		0548	59	0.	1		1154	120	16.	1		1800	181	7.					
1		0554	60	0.	1		1200	121	18.	1		1806	182	7.					
1		0600	61	0.	1		1206	122	21.	1		1812	183	7.					

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	145.	12.80		34.	10.	10.	10.
			(INCHES)	2.893	3.525	3.525	3.525
			(AC-FT)	17.	21.	21.	21.

CUMULATIVE AREA = .11 SQ MI

```
1                                                     STATION   A TO F

                              (I) INFLOW,   (O) OUTFLOW
         0.        20.        40.        60.        80.       100.       120.       140.       160.          0.         0.         0.         0.
DAHRMN PER
 10000   1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2I         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3I         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4I         .         .         .         .         .         .         .         .         .         .         .         .
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10024   5I        .         .         .         .         .         .         .         .         .         .         .         .
10030   6I        .         .         .         .         .         .         .         .         .         .         .         .
10036   7I        .         .         .         .         .         .         .         .         .         .         .         .
10042   8I        .         .         .         .         .         .         .         .         .         .         .         .
10048   9I        .         .         .         .         .         .         .         .         .         .         .         .
10054  10I        .         .         .         .         .         .         .         .         .         .         .         .
10100  11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10106  12I        .         .         .         .         .         .         .         .         .         .         .         .
10112  13I        .         .         .         .         .         .         .         .         .         .         .         .
10118  14I        .         .         .         .         .         .         .         .         .         .         .         .
10124  15I        .         .         .         .         .         .         .         .         .         .         .         .
10130  16I        .         .         .         .         .         .         .         .         .         .         .         .
10136  17I        .         .         .         .         .         .         .         .         .         .         .         .
10142  18I        .         .         .         .         .         .         .         .         .         .         .         .
10148  19I        .         .         .         .         .         .         .         .         .         .         .         .
10154  20I        .         .         .         .         .         .         .         .         .         .         .         .
10200  21I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  22I        .         .         .         .         .         .         .         .         .         .         .         .
10212  23I        .         .         .         .         .         .         .         .         .         .         .         .
10218  24I        .         .         .         .         .         .         .         .         .         .         .         .
10224  25I        .         .         .         .         .         .         .         .         .         .         .         .
10230  26I        .         .         .         .         .         .         .         .         .         .         .         .
10236  27I        .         .         .         .         .         .         .         .         .         .         .         .
10242  28I        .         .         .         .         .         .         .         .         .         .         .         .
10248  29I        .         .         .         .         .         .         .         .         .         .         .         .
10254  30I        .         .         .         .         .         .         .         .         .         .         .         .
10300  31I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  32I        .         .         .         .         .         .         .         .         .         .         .         .
10312  33I        .         .         .         .         .         .         .         .         .         .         .         .
10318  34I        .         .         .         .         .         .         .         .         .         .         .         .
10324  35I        .         .         .         .         .         .         .         .         .         .         .         .
10330  36I        .         .         .         .         .         .         .         .         .         .         .         .
10336  37I        .         .         .         .         .         .         .         .         .         .         .         .
10342  38I        .         .         .         .         .         .         .         .         .         .         .         .
10348  39I        .         .         .         .         .         .         .         .         .         .         .         .
10354  40I        .         .         .         .         .         .         .         .         .         .         .         .
10400  41I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  42I        .         .         .         .         .         .         .         .         .         .         .         .
10412  43I        .         .         .         .         .         .         .         .         .         .         .         .
10418  44I        .         .         .         .         .         .         .         .         .         .         .         .
10424  45I        .         .         .         .         .         .         .         .         .         .         .         .
10430  46I        .         .         .         .         .         .         .         .         .         .         .         .
10436  47I        .         .         .         .         .         .         .         .         .         .         .         .
10442  48I        .         .         .         .         .         .         .         .         .         .         .         .
10448  49I        .         .         .         .         .         .         .         .         .         .         .         .
10454  50I        .         .         .         .         .         .         .         .         .         .         .         .
10500  51I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10506  52I        .         .         .         .         .         .         .         .         .         .         .         .
10512  53I        .         .         .         .         .         .         .         .         .         .         .         .
10518  54I        .         .         .         .         .         .         .         .         .         .         .         .
10524  55I        .         .         .         .         .         .         .         .         .         .         .         .
10530  56I        .         .         .         .         .         .         .         .         .         .         .         .
10536  57I        .         .         .         .         .         .         .         .         .         .         .         .
10542  58I        .         .         .         .         .         .         .         .         .         .         .         .
10548  59I        .         .         .         .         .         .         .         .         .         .         .         .
10554  60I        .         .         .         .         .         .         .         .         .         .         .         .
10600  61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  62I        .         .         .         .         .         .         .         .         .         .         .         .
10612  63I        .         .         .         .         .         .         .         .         .         .         .         .
10618  64I        .         .         .         .         .         .         .         .         .         .         .         .
10624  65I        .         .         .         .         .         .         .         .         .         .         .         .
10630  66I        .         .         .         .         .         .         .         .         .         .         .         .
10636  67I        .         .         .         .         .         .         .         .         .         .         .         .
10642  68I        .         .         .         .         .         .         .         .         .         .         .         .
10648  69I        .         .         .         .         .         .         .         .         .         .         .         .
10654  70I        .         .         .         .         .         .         .         .         .         .         .         .
10700  71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10706  72I        .         .         .         .         .         .         .         .         .         .         .         .
10712  73I        .         .         .         .         .         .         .         .         .         .         .         .
10718  74I        .         .         .         .         .         .         .         .         .         .         .         .
10724  75I        .         .         .         .         .         .         .         .         .         .         .         .
10730  76I        .         .         .         .         .         .         .         .         .         .         .         .
10736  77I        .         .         .         .         .         .         .         .         .         .         .         .
10742  78I        .         .         .         .         .         .         .         .         .         .         .         .
10748  79I        .         .         .         .         .         .         .         .         .         .         .         .
10754  80I        .         .         .         .         .         .         .         .         .         .         .         .
10800  81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  82I        .         .         .         .         .         .         .         .         .         .         .         .
10812  83I        .         .         .         .         .         .         .         .         .         .         .         .
10818  84I        .         .         .         .         .         .         .         .         .         .         .         .
10824  85I        .         .         .         .         .         .         .         .         .         .         .         .
10830  86I        .         .         .         .         .         .         .         .         .         .         .         .
10836  87I        .         .         .         .         .         .         .         .         .         .         .         .
10842  88OI       .         .         .         .         .         .         .         .         .         .         .         .
10848  89OI       .         .         .         .         .         .         .         .         .         .         .         .
10854  90OI       .         .         .         .         .         .         .         .         .         .         .         .
10900  91.I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  92.I       .         .         .         .         .         .         .         .         .         .         .         .
10912  93.I       .         .         .         .         .         .         .         .         .         .         .         .
10918  94.I       .         .         .         .         .         .         .         .         .         .         .         .
10924  95.I       .         .         .         .         .         .         .         .         .         .         .         .
10930  96.I       .         .         .         .         .         .         .         .         .         .         .         .
10936  97.I       .         .         .         .         .         .         .         .         .         .         .         .
10942  98.OI      .         .         .         .         .         .         .         .         .         .         .         .
10948  99.OI      .         .         .         .         .         .         .         .         .         .         .         .
10954 100.OI      .         .         .         .         .         .         .         .         .         .         .         .
11000 101. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 102. I      .         .         .         .         .         .         .         .         .         .         .         .
11012 103. I      .         .         .         .         .         .         .         .         .         .         .         .
11018 104. OI     .         .         .         .         .         .         .         .         .         .         .         .
11024 105. OI     .         .         .         .         .         .         .         .         .         .         .         .
11030 106. OI     .         .         .         .         .         .         .         .         .         .         .         .
11036 107.  I     .         .         .         .         .         .         .         .         .         .         .         .
11042 108.  I     .         .         .         .         .         .         .         .         .         .         .         .
11048 109.  OI    .         .         .         .         .         .         .         .         .         .         .         .
11054 110.  OI    .         .         .         .         .         .         .         .         .         .         .         .
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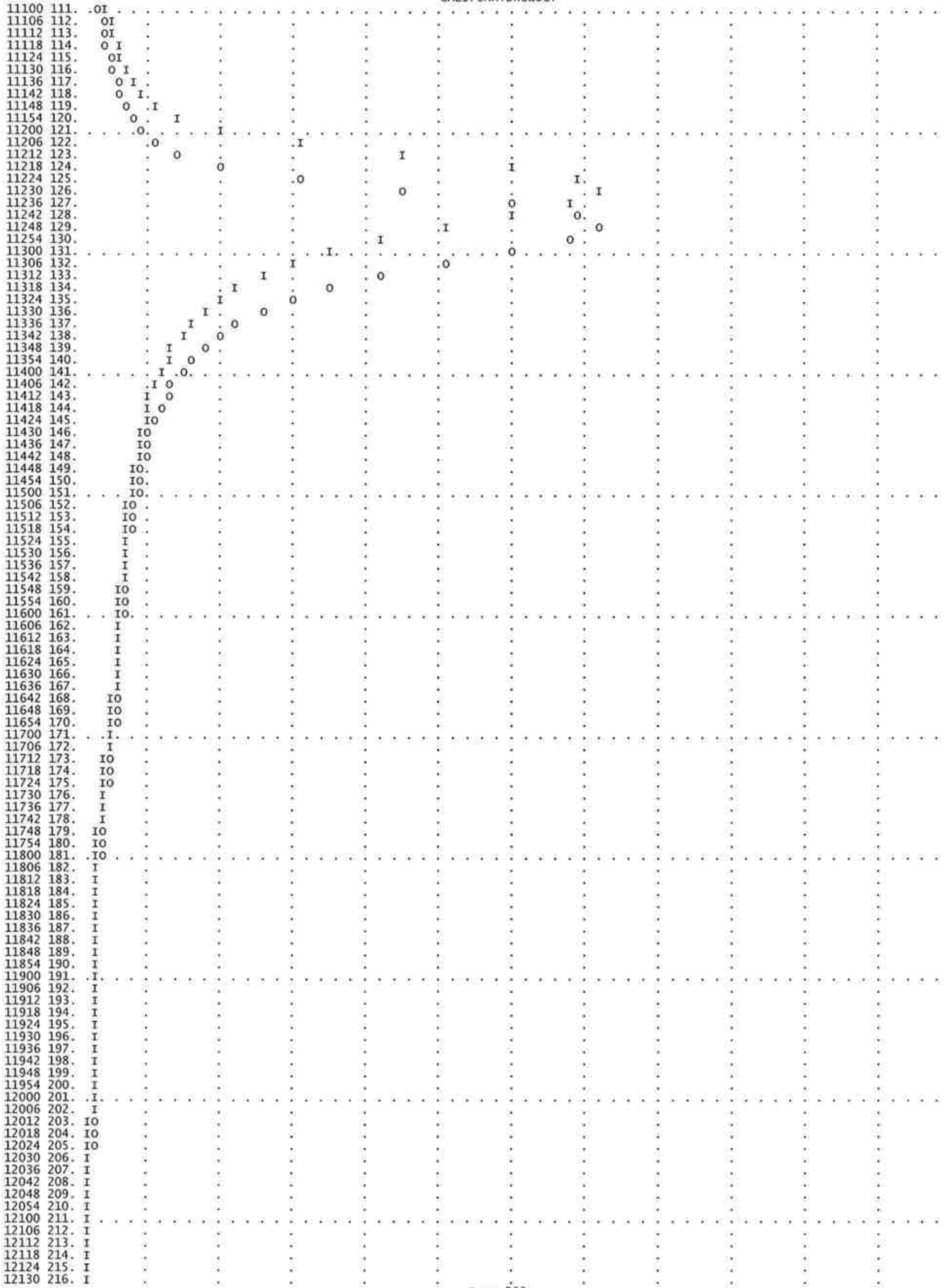
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
11748 179.
11754 180.
11800 181.
11806 182.
11812 183.
11818 184.
11824 185.
11830 186.
11836 187.
11842 188.
11848 189.
11854 190.
11900 191.
11906 192.
11912 193.
11918 194.
11924 195.
11930 196.
11936 197.
11942 198.
11948 199.
11954 200.
12000 201.
12006 202.
12012 203.
12018 204.
12024 205.
12030 206.
12036 207.
12042 208.
12048 209.
12054 210.
12100 211.
12106 212.
12112 213.
12118 214.
12124 215.
12130 216.

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12136 217. I      .         .         .         .         .         .         .         .         .         .         .         .
12142 218. I      .         .         .         .         .         .         .         .         .         .         .         .
12148 219. I      .         .         .         .         .         .         .         .         .         .         .         .
12154 220. I      .         .         .         .         .         .         .         .         .         .         .         .
12200 221. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222. I      .         .         .         .         .         .         .         .         .         .         .         .
12212 223. I      .         .         .         .         .         .         .         .         .         .         .         .
12218 224. I      .         .         .         .         .         .         .         .         .         .         .         .
12224 225. I      .         .         .         .         .         .         .         .         .         .         .         .
12230 226. I      .         .         .         .         .         .         .         .         .         .         .         .
12236 227. I      .         .         .         .         .         .         .         .         .         .         .         .
12242 228. I      .         .         .         .         .         .         .         .         .         .         .         .
12248 229. I      .         .         .         .         .         .         .         .         .         .         .         .
12254 230. I      .         .         .         .         .         .         .         .         .         .         .         .
12300 231. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. I      .         .         .         .         .         .         .         .         .         .         .         .
12312 233. I      .         .         .         .         .         .         .         .         .         .         .         .
12318 234. I      .         .         .         .         .         .         .         .         .         .         .         .
12324 235. I      .         .         .         .         .         .         .         .         .         .         .         .
12330 236. I      .         .         .         .         .         .         .         .         .         .         .         .
12336 237. I      .         .         .         .         .         .         .         .         .         .         .         .
12342 238. I      .         .         .         .         .         .         .         .         .         .         .         .
12348 239. I      .         .         .         .         .         .         .         .         .         .         .         .
12354 240. I      .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-I-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1
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HYDROGRAPH AT STATION A TO F
PLAN 1, RATIO = .88

DA	MON	HRMN	ORD	FLOW
1		0000	1	0.
1		0006	2	0.
1		0012	3	0.
1		0018	4	0.
1		0024	5	0.
1		0030	6	0.
1		0036	7	0.
1		0042	8	0.
1		0048	9	0.
1		0054	10	0.
1		0100	11	0.
1		0106	12	0.
1		0112	13	0.
1		0118	14	0.
1		0124	15	0.
1		0130	16	0.
1		0136	17	0.
1		0142	18	0.
1		0148	19	0.
1		0154	20	0.
1		0200	21	0.
1		0206	22	0.
1		0212	23	0.
1		0218	24	0.
1		0224	25	0.
1		0230	26	0.
1		0236	27	0.
1		0242	28	0.
1		0248	29	0.
1		0254	30	0.
1		0300	31	0.
1		0306	32	0.
1		0312	33	0.
1		0318	34	0.
1		0324	35	0.
1		0330	36	0.
1		0336	37	0.
1		0342	38	0.
1		0348	39	0.
1		0354	40	0.
1		0400	41	0.
1		0406	42	0.
1		0412	43	0.
1		0418	44	0.
1		0424	45	0.
1		0430	46	0.
1		0436	47	0.
1		0442	48	0.
1		0448	49	0.
1		0454	50	0.
1		0500	51	0.
1		0506	52	0.
1		0512	53	0.
1		0518	54	0.
1		0524	55	0.
1		0530	56	0.
1		0536	57	0.
1		0542	58	0.
1		0548	59	0.
1		0554	60	0.
1		0600	61	0.
1		0606	62	0.
1		0612	63	0.
1		0618	64	0.
1		0624	65	0.
1		0630	66	0.
1		0636	67	0.
1		0642	68	0.
1		0648	69	0.
1		0654	70	0.
1		0700	71	0.
1		0706	72	0.
1		0712	73	0.
1		0718	74	0.
1		0724	75	0.
1		0730	76	0.
1		0736	77	0.
1		0742	78	0.
1		0748	79	0.
1		0754	80	0.
1		0800	81	0.
1		0806	82	1.
1		0812	83	1.
1		0818	84	1.
1		0824	85	1.
1		0830	86	1.
1		0836	87	1.
1		0842	88	2.
1		0848	89	2.
1		0854	90	2.
1		0900	91	2.
1		0906	92	2.
1		0912	93	3.
1		0918	94	3.
1		0924	95	3.
1		0930	96	3.
1		0936	97	4.
1		0942	98	4.
1		0948	99	4.
1		0954	100	4.
1		1000	101	5.
1		1006	102	5.
1		1012	103	6.
1		1018	104	6.
1		1024	105	6.
1		1030	106	7.
1		1036	107	7.
1		1042	108	8.
1		1048	109	8.
1		1054	110	9.
1		1100	111	10.
1		1106	112	10.
1		1112	113	11.
1		1118	114	12.
1		1124	115	13.
1		1130	116	14.
1		1136	117	15.
1		1142	118	17.
1		1148	119	18.
1		1154	120	21.
1		1200	121	23.
1		1206	122	28.
1		1212	123	35.
1		1218	124	51.
1		1224	125	78.
1		1230	126	112.
1		1236	127	147.
1		1242	128	171.
1		1248	129	177.
1		1254	130	167.
1		1300	131	146.
1		1306	132	123.
1		1312	133	102.
1		1318	134	85.
1		1324	135	72.
1		1330	136	62.
1		1336	137	54.
1		1342	138	47.
1		1348	139	42.
1		1354	140	38.
1		1400	141	35.
1		1406	142	32.
1		1412	143	30.
1		1418	144	28.
1		1424	145	26.
1		1430	146	25.
1		1436	147	24.
1		1442	148	23.
1		1448	149	22.
1		1454	150	21.
1		1500	151	20.
1		1506	152	20.
1		1512	153	19.
1		1518	154	18.
1		1524	155	18.
1		1530	156	17.
1		1536	157	17.
1		1542	158	17.
1		1548	159	16.
1		1554	160	16.
1		1600	161	15.
1		1606	162	15.
1		1612	163	15.
1		1618	164	15.
1		1624	165	14.
1		1630	166	14.
1		1636	167	14.
1		1642	168	14.
1		1648	169	13.
1		1654	170	13.
1		1700	171	13.
1		1706	172	12.
1		1712	173	12.
1		1718	174	12.
1		1724	175	11.
1		1730	176	10.
1		1736	177	10.
1		1742	178	9.
1		1748	179	9.
1		1754	180	9.
1		1800	181	8.
1		1806	182	8.
1		1812	183	8.
1		1818	184	8.
1		1824	185	8.
1		1830	186	8.
1		1836	187	7.
1		1842	188	7.
1		1848	189	7.
1		1854	190	7.
1		1900	191	7.
1		1906	192	7.
1		1912	193	7.
1		1918	194	7.
1		1924	195	7.
1		1930	196	7.
1		1936	197	6.
1		1942	198	6.
1		1948	199	6.
1		1954	200	6.
1		2000	201	6.
1		2006	202	6.
1		2012	203	6.
1		2018	204	6.
1		2024	205	6.
1		2030	206	6.
1		2036	207	6.
1		2042	208	6.
1		2048	209	6.
1		2054	210	6.
1		2100	211	6.
1		2106	212	6.
1		2112	213	6.
1		2118	214	5.
1		2124	215	5.
1		2130	216	5.
1		2136	217	5.
1		2142	218	5.
1		2148	219	5.
1		2154	220	5.
1		2200	221	5.
1		2206	222	5.
1		2212	223	5.
1		2218	224	5.
1		2224	225	5.
1		2230	226	5.
1		2236	227	5.
1		2242	228	5.
1		2248	229	5.
1		2254	230	5.
1		2300	231	5.
1		2306	232	5.
1		2312	233	5.
1		2318	234	5.
1		2324	235	5.
1		2330	236	5.
1		2336	237	4.
1		2342	238	4.
1		2348	239	4.
1		2354	240	4.
2		0000	241	4.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
+ 177.	12.80	(CFS)	42.	13.	13.	13.
		(INCHES)	3.523	4.317	4.317	4.317

```
                                                    CALIFONHYDROLOGY
                (AC-FT)        21.        25.        25.            25.

                CUMULATIVE AREA =      .11 SQ MI

1                                                  STATION    A TO F

                         (I) INFLOW,    (O) OUTFLOW
            0.       20.       40.       60.       80.      100.      120.      140.      160.      180.        0.        0.        0.
DAHRMN PER
 10000    1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006    2I         .         .         .         .         .         .         .         .         .         .         .         .
 10012    3I         .         .         .         .         .         .         .         .         .         .         .         .
 10018    4I         .         .         .         .         .         .         .         .         .         .         .         .
 10024    5I         .         .         .         .         .         .         .         .         .         .         .         .
 10030    6I         .         .         .         .         .         .         .         .         .         .         .         .
 10036    7I         .         .         .         .         .         .         .         .         .         .         .         .
 10042    8I         .         .         .         .         .         .         .         .         .         .         .         .
 10048    9I         .         .         .         .         .         .         .         .         .         .         .         .
 10054   10I         .         .         .         .         .         .         .         .         .         .         .         .
 10100   11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106   12I         .         .         .         .         .         .         .         .         .         .         .         .
 10112   13I         .         .         .         .         .         .         .         .         .         .         .         .
 10118   14I         .         .         .         .         .         .         .         .         .         .         .         .
 10124   15I         .         .         .         .         .         .         .         .         .         .         .         .
 10130   16I         .         .         .         .         .         .         .         .         .         .         .         .
 10136   17I         .         .         .         .         .         .         .         .         .         .         .         .
 10142   18I         .         .         .         .         .         .         .         .         .         .         .         .
 10148   19I         .         .         .         .         .         .         .         .         .         .         .         .
 10154   20I         .         .         .         .         .         .         .         .         .         .         .         .
 10200   21I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206   22I         .         .         .         .         .         .         .         .         .         .         .         .
 10212   23I         .         .         .         .         .         .         .         .         .         .         .         .
 10218   24I         .         .         .         .         .         .         .         .         .         .         .         .
 10224   25I         .         .         .         .         .         .         .         .         .         .         .         .
 10230   26I         .         .         .         .         .         .         .         .         .         .         .         .
 10236   27I         .         .         .         .         .         .         .         .         .         .         .         .
 10242   28I         .         .         .         .         .         .         .         .         .         .         .         .
 10248   29I         .         .         .         .         .         .         .         .         .         .         .         .
 10254   30I         .         .         .         .         .         .         .         .         .         .         .         .
 10300   31I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306   32I         .         .         .         .         .         .         .         .         .         .         .         .
 10312   33I         .         .         .         .         .         .         .         .         .         .         .         .
 10318   34I         .         .         .         .         .         .         .         .         .         .         .         .
 10324   35I         .         .         .         .         .         .         .         .         .         .         .         .
 10330   36I         .         .         .         .         .         .         .         .         .         .         .         .
 10336   37I         .         .         .         .         .         .         .         .         .         .         .         .
 10342   38I         .         .         .         .         .         .         .         .         .         .         .         .
 10348   39I         .         .         .         .         .         .         .         .         .         .         .         .
 10354   40I         .         .         .         .         .         .         .         .         .         .         .         .
 10400   41I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406   42I         .         .         .         .         .         .         .         .         .         .         .         .
 10412   43I         .         .         .         .         .         .         .         .         .         .         .         .
 10418   44I         .         .         .         .         .         .         .         .         .         .         .         .
 10424   45I         .         .         .         .         .         .         .         .         .         .         .         .
 10430   46I         .         .         .         .         .         .         .         .         .         .         .         .
 10436   47I         .         .         .         .         .         .         .         .         .         .         .         .
 10442   48I         .         .         .         .         .         .         .         .         .         .         .         .
 10448   49I         .         .         .         .         .         .         .         .         .         .         .         .
 10454   50I         .         .         .         .         .         .         .         .         .         .         .         .
 10500   51I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506   52I         .         .         .         .         .         .         .         .         .         .         .         .
 10512   53I         .         .         .         .         .         .         .         .         .         .         .         .
 10518   54I         .         .         .         .         .         .         .         .         .         .         .         .
 10524   55I         .         .         .         .         .         .         .         .         .         .         .         .
 10530   56I         .         .         .         .         .         .         .         .         .         .         .         .
 10536   57I         .         .         .         .         .         .         .         .         .         .         .         .
 10542   58I         .         .         .         .         .         .         .         .         .         .         .         .
 10548   59I         .         .         .         .         .         .         .         .         .         .         .         .
 10554   60I         .         .         .         .         .         .         .         .         .         .         .         .
 10600   61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606   62I         .         .         .         .         .         .         .         .         .         .         .         .
 10612   63I         .         .         .         .         .         .         .         .         .         .         .         .
 10618   64I         .         .         .         .         .         .         .         .         .         .         .         .
 10624   65I         .         .         .         .         .         .         .         .         .         .         .         .
 10630   66I         .         .         .         .         .         .         .         .         .         .         .         .
 10636   67I         .         .         .         .         .         .         .         .         .         .         .         .
 10642   68I         .         .         .         .         .         .         .         .         .         .         .         .
 10648   69I         .         .         .         .         .         .         .         .         .         .         .         .
 10654   70I         .         .         .         .         .         .         .         .         .         .         .         .
 10700   71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10706   72I         .         .         .         .         .         .         .         .         .         .         .         .
 10712   73I         .         .         .         .         .         .         .         .         .         .         .         .
 10718   74I         .         .         .         .         .         .         .         .         .         .         .         .
 10724   75I         .         .         .         .         .         .         .         .         .         .         .         .
 10730   76I         .         .         .         .         .         .         .         .         .         .         .         .
 10736   77I         .         .         .         .         .         .         .         .         .         .         .         .
 10742   78I         .         .         .         .         .         .         .         .         .         .         .         .
 10748   79I         .         .         .         .         .         .         .         .         .         .         .         .
 10754   80I         .         .         .         .         .         .         .         .         .         .         .         .
 10800   81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10806   82OI        .         .         .         .         .         .         .         .         .         .         .         .
 10812   83OI        .         .         .         .         .         .         .         .         .         .         .         .
 10818   84OI        .         .         .         .         .         .         .         .         .         .         .         .
 10824   85.I        .         .         .         .         .         .         .         .         .         .         .         .
 10830   86.I        .         .         .         .         .         .         .         .         .         .         .         .
 10836   87.I        .         .         .         .         .         .         .         .         .         .         .         .
 10842   88.I        .         .         .         .         .         .         .         .         .         .         .         .
 10848   89.I        .         .         .         .         .         .         .         .         .         .         .         .
 10854   90.I        .         .         .         .         .         .         .         .         .         .         .         .
 10900   91.I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10906   92.OI       .         .         .         .         .         .         .         .         .         .         .         .
 10912   93.OI       .         .         .         .         .         .         .         .         .         .         .         .
 10918   94.OI       .         .         .         .         .         .         .         .         .         .         .         .
 10924   95. I       .         .         .         .         .         .         .         .         .         .         .         .
 10930   96. I       .         .         .         .         .         .         .         .         .         .         .         .
 10936   97. I       .         .         .         .         .         .         .         .         .         .         .         .
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10942  98. I       .         .         .         .         .         .         .         .         .         .         .         .
10948  99. OI      .         .         .         .         .         .         .         .         .         .         .         .
10954 100. OI      .         .         .         .         .         .         .         .         .         .         .         .
11000 101. OI. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 102.  I      .         .         .         .         .         .         .         .         .         .         .         .
11012 103.  I      .         .         .         .         .         .         .         .         .         .         .         .
11018 104.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11024 105.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11030 106.  OI     .         .         .         .         .         .         .         .         .         .         .         .
11036 107.   I     .         .         .         .         .         .         .         .         .         .         .         .
11042 108.   OI    .         .         .         .         .         .         .         .         .         .         .         .
11048 109.   OI    .         .         .         .         .         .         .         .         .         .         .         .
11054 110.   OI    .         .         .         .         .         .         .         .         .         .         .         .
11100 111.   .OI . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112.    OI   .         .         .         .         .         .         .         .         .         .         .         .
11112 113.    O I  .         .         .         .         .         .         .         .         .         .         .         .
11118 114.     O I .         .         .         .         .         .         .         .         .         .         .         .
11124 115.     O I .         .         .         .         .         .         .         .         .         .         .         .
11130 116.      O I.         .         .         .         .         .         .         .         .         .         .         .
11136 117.       O I         .         .         .         .         .         .         .         .         .         .         .
11142 118.       O . I       .         .         .         .         .         .         .         .         .         .         .
11148 119.        O.   I     .         .         .         .         .         .         .         .         .         .         .
11154 120.         O       I .         .         .         .         .         .         .         .         .         .         .
11200 121.   . . . . O . . . . . . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         .   O     .         .        I.         .         .         .         .         .         .         .         .
11212 123.         .       O .         .         .         .     I   .         .         .         .         .         .         .
11218 124.         .         .     O   .         .         .         .         .   I     .         .         .         .         .
11224 125.         .         .         .        O.         .         .         .         .    I    .         .         .         .
11230 126.         .         .         .         .         .     O   .         .         .       I .         .         .         .
11236 127.         .         .         .         .         .         .         .   O     .  I      .         .         .         .
11242 128.         .         .         .         .         .         .         .  I      .    O    .         .         .         .
11248 129.         .         .         .         .         .         . I       .         .       O .         .         .         .
11254 130.         .         .         .         .         .I        .         .         .  O      .         .         .         .
11300 131.   . . . . . . . . . . . . . . . . . . . .I. . . . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .     I   .         .         . O       .         .         .         .         .         .
11312 133.         .         .         .I        .         .O        .         .         .         .         .         .         .
11318 134.         .         .      I  .         .  O      .         .         .         .         .         .         .         .
11324 135.         .         .   I     .     O   .         .         .         .         .         .         .         .         .
11330 136.         .         .I        .O        .         .         .         .         .         .         .         .         .
11336 137.         .        I.      O  .         .         .         .         .         .         .         .         .         .
11342 138.         .       I .   O     .         .         .         .         .         .         .         .         .         .
11348 139.         .     I   .O        .         .         .         .         .         .         .         .         .         .
11354 140.         .    I   O.         .         .         .         .         .         .         .         .         .         .
11400 141.   . . . . . I . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .  I  O   .         .         .         .         .         .         .         .         .         .         .
11412 143.         . I  O    .         .         .         .         .         .         .         .         .         .         .
11418 144.         . I O     .         .         .         .         .         .         .         .         .         .         .
11424 145.         .I O      .         .         .         .         .         .         .         .         .         .         .
11430 146.         .IO       .         .         .         .         .         .         .         .         .         .         .
11436 147.         I O       .         .         .         .         .         .         .         .         .         .         .
11442 148.         IO        .         .         .         .         .         .         .         .         .         .         .
11448 149.         IO        .         .         .         .         .         .         .         .         .         .         .
11454 150.        IO         .         .         .         .         .         .         .         .         .         .         .
11500 151.   . . .IO . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.        IO         .         .         .         .         .         .         .         .         .         .         .
11512 153.        I.         .         .         .         .         .         .         .         .         .         .         .
11518 154.       IO.         .         .         .         .         .         .         .         .         .         .         .
11524 155.       IO.         .         .         .         .         .         .         .         .         .         .         .
11530 156.       IO.         .         .         .         .         .         .         .         .         .         .         .
11536 157.       I .         .         .         .         .         .         .         .         .         .         .         .
11542 158.       I .         .         .         .         .         .         .         .         .         .         .         .
11548 159.       I .         .         .         .         .         .         .         .         .         .         .         .
11554 160.      IO .         .         .         .         .         .         .         .         .         .         .         .
11600 161.   . .IO . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.      IO .         .         .         .         .         .         .         .         .         .         .         .
11612 163.      I  .         .         .         .         .         .         .         .         .         .         .         .
11618 164.      I  .         .         .         .         .         .         .         .         .         .         .         .
11624 165.      I  .         .         .         .         .         .         .         .         .         .         .         .
11630 166.      I  .         .         .         .         .         .         .         .         .         .         .         .
11636 167.      I  .         .         .         .         .         .         .         .         .         .         .         .
11642 168.     IO  .         .         .         .         .         .         .         .         .         .         .         .
11648 169.     IO  .         .         .         .         .         .         .         .         .         .         .         .
11654 170.     IO  .         .         .         .         .         .         .         .         .         .         .         .
11700 171.   . I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.    IO   .         .         .         .         .         .         .         .         .         .         .         .
11712 173.    IO   .         .         .         .         .         .         .         .         .         .         .         .
11718 174.    IO   .         .         .         .         .         .         .         .         .         .         .         .
11724 175.    I    .         .         .         .         .         .         .         .         .         .         .         .
11730 176.   IO    .         .         .         .         .         .         .         .         .         .         .         .
11736 177.   IO    .         .         .         .         .         .         .         .         .         .         .         .
11742 178.   IO    .         .         .         .         .         .         .         .         .         .         .         .
11748 179.   I     .         .         .         .         .         .         .         .         .         .         .         .
11754 180.   I     .         .         .         .         .         .         .         .         .         .         .         .
11800 181.   I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.   I     .         .         .         .         .         .         .         .         .         .         .         .
11812 183.   I     .         .         .         .         .         .         .         .         .         .         .         .
11818 184.   I     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.   I     .         .         .         .         .         .         .         .         .         .         .         .
11830 186.   I     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.  IO     .         .         .         .         .         .         .         .         .         .         .         .
11842 188.  IO     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.  IO     .         .         .         .         .         .         .         .         .         .         .         .
11854 190.  I      .         .         .         .         .         .         .         .         .         .         .         .
11900 191. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.  I      .         .         .         .         .         .         .         .         .         .         .         .
11912 193.  I      .         .         .         .         .         .         .         .         .         .         .         .
11918 194.  I      .         .         .         .         .         .         .         .         .         .         .         .
11924 195.  I      .         .         .         .         .         .         .         .         .         .         .         .
11930 196.  I      .         .         .         .         .         .         .         .         .         .         .         .
11936 197.  I      .         .         .         .         .         .         .         .         .         .         .         .
11942 198.  I      .         .         .         .         .         .         .         .         .         .         .         .
11948 199.  I      .         .         .         .         .         .         .         .         .         .         .         .
11954 200.  I      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  I      .         .         .         .         .         .         .         .         .         .         .         .
12012 203.  I      .         .         .         .         .         .         .         .         .         .         .         .
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12018 204.  I    .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  I    .         .         .         .         .         .         .         .         .         .         .         .
12030 206.  I    .         .         .         .         .         .         .         .         .         .         .         .
12036 207.  I    .         .         .         .         .         .         .         .         .         .         .         .
12042 208.  I    .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  I    .         .         .         .         .         .         .         .         .         .         .         .
12054 210.  I    .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  I    .         .         .         .         .         .         .         .         .         .         .         .
12112 213.  I    .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  I    .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  I    .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  I    .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  I    .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  I    .         .         .         .         .         .         .         .         .         .         .         .
12148 219. IO    .         .         .         .         .         .         .         .         .         .         .         .
12154 220. IO    .         .         .         .         .         .         .         .         .         .         .         .
12200 221. IO. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222. I     .         .         .         .         .         .         .         .         .         .         .         .
12212 223. OI    .         .         .         .         .         .         .         .         .         .         .         .
12218 224. OI    .         .         .         .         .         .         .         .         .         .         .         .
12224 225. OI    .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  I    .         .         .         .         .         .         .         .         .         .         .         .
12236 227. IO    .         .         .         .         .         .         .         .         .         .         .         .
12242 228. IO    .         .         .         .         .         .         .         .         .         .         .         .
12248 229. IO    .         .         .         .         .         .         .         .         .         .         .         .
12254 230. I     .         .         .         .         .         .         .         .         .         .         .         .
12300 231. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. I     .         .         .         .         .         .         .         .         .         .         .         .
12312 233. I     .         .         .         .         .         .         .         .         .         .         .         .
12318 234. I     .         .         .         .         .         .         .         .         .         .         .         .
12324 235. I     .         .         .         .         .         .         .         .         .         .         .         .
12330 236. I     .         .         .         .         .         .         .         .         .         .         .         .
12336 237. I     .         .         .         .         .         .         .         .         .         .         .         .
12342 238. I     .         .         .         .         .         .         .         .         .         .         .         .
12348 239. I     .         .         .         .         .         .         .         .         .         .         .         .
12354 240. I     .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-I-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1
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HYDROGRAPH AT STATION A TO F
PLAN 1, RATIO = 1.00

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DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW	DA MON	HRMN	ORD	FLOW
1	0000	1	0.	1	0606	62	0.	1	1212	123	44.	1	1818	184	9.
1	0006	2	0.	1	0612	63	0.	1	1218	124	64.	1	1824	185	9.
1	0012	3	0.	1	0618	64	0.	1	1224	125	95.	1	1830	186	9.
1	0018	4	0.	1	0624	65	0.	1	1230	126	137.	1	1836	187	9.
1	0024	5	0.	1	0630	66	0.	1	1236	127	179.	1	1842	188	8.
1	0030	6	0.	1	0636	67	0.	1	1242	128	206.	1	1848	189	8.
1	0036	7	0.	1	0642	68	0.	1	1248	129	213.	1	1854	190	8.
1	0042	8	0.	1	0648	69	0.	1	1254	130	200.	1	1900	191	8.
1	0048	9	0.	1	0654	70	0.	1	1300	131	175.	1	1906	192	8.
1	0054	10	0.	1	0700	71	0.	1	1306	132	147.	1	1912	193	8.
1	0100	11	0.	1	0706	72	0.	1	1312	133	122.	1	1918	194	8.
1	0106	12	0.	1	0712	73	0.	1	1318	134	102.	1	1924	195	8.
1	0112	13	0.	1	0718	74	0.	1	1324	135	86.	1	1930	196	8.
1	0118	14	0.	1	0724	75	0.	1	1330	136	74.	1	1936	197	8.
1	0124	15	0.	1	0730	76	0.	1	1336	137	64.	1	1942	198	7.
1	0130	16	0.	1	0736	77	1.	1	1342	138	56.	1	1948	199	7.
1	0136	17	0.	1	0742	78	1.	1	1348	139	50.	1	1954	200	7.
1	0142	18	0.	1	0748	79	1.	1	1354	140	45.	1	2000	201	7.
1	0148	19	0.	1	0754	80	1.	1	1400	141	41.	1	2006	202	7.
1	0154	20	0.	1	0800	81	1.	1	1406	142	38.	1	2012	203	7.
1	0200	21	0.	1	0806	82	1.	1	1412	143	35.	1	2018	204	7.
1	0206	22	0.	1	0812	83	2.	1	1418	144	33.	1	2024	205	7.
1	0212	23	0.	1	0818	84	2.	1	1424	145	31.	1	2030	206	7.
1	0218	24	0.	1	0824	85	2.	1	1430	146	29.	1	2036	207	7.
1	0224	25	0.	1	0830	86	2.	1	1436	147	28.	1	2042	208	7.
1	0230	26	0.	1	0836	87	3.	1	1442	148	27.	1	2048	209	7.
1	0236	27	0.	1	0842	88	3.	1	1448	149	26.	1	2054	210	7.
1	0242	28	0.	1	0848	89	3.	1	1454	150	25.	1	2100	211	6.
1	0248	29	0.	1	0854	90	3.	1	1500	151	24.	1	2106	212	7.
1	0254	30	0.	1	0900	91	3.	1	1506	152	23.	1	2112	213	6.
1	0300	31	0.	1	0906	92	4.	1	1512	153	22.	1	2118	214	6.
1	0306	32	0.	1	0912	93	4.	1	1518	154	21.	1	2124	215	6.
1	0312	33	0.	1	0918	94	4.	1	1524	155	21.	1	2130	216	6.
1	0318	34	0.	1	0924	95	5.	1	1530	156	20.	1	2136	217	6.
1	0324	35	0.	1	0930	96	5.	1	1536	157	20.	1	2142	218	6.
1	0330	36	0.	1	0936	97	5.	1	1542	158	20.	1	2148	219	6.
1	0336	37	0.	1	0942	98	6.	1	1548	159	19.	1	2154	220	6.
1	0342	38	0.	1	0948	99	6.	1	1554	160	19.	1	2200	221	6.
1	0348	39	0.	1	0954	100	6.	1	1600	161	18.	1	2206	222	6.
1	0354	40	0.	1	1000	101	7.	1	1606	162	18.	1	2212	223	6.
1	0400	41	0.	1	1006	102	7.	1	1612	163	17.	1	2218	224	6.
1	0406	42	0.	1	1012	103	8.	1	1618	164	17.	1	2224	225	6.
1	0412	43	0.	1	1018	104	8.	1	1624	165	17.	1	2230	226	6.
1	0418	44	0.	1	1024	105	9.	1	1630	166	16.	1	2236	227	6.
1	0424	45	0.	1	1030	106	9.	1	1636	167	16.	1	2242	228	6.
1	0430	46	0.	1	1036	107	10.	1	1642	168	16.	1	2248	229	6.
1	0436	47	0.	1	1042	108	10.	1	1648	169	16.	1	2254	230	6.
1	0442	48	0.	1	1048	109	11.	1	1654	170	15.	1	2300	231	6.
1	0448	49	0.	1	1054	110	12.	1	1700	171	15.	1	2306	232	5.
1	0454	50	0.	1	1100	111	13.	1	1706	172	15.	1	2312	233	5.
1	0500	51	0.	1	1106	112	14.	1	1712	173	14.	1	2318	234	5.
1	0506	52	0.	1	1112	113	14.	1	1718	174	14.	1	2324	235	5.
1	0512	53	0.	1	1118	114	16.	1	1724	175	13.	1	2330	236	5.
1	0518	54	0.	1	1124	115	17.	1	1730	176	12.	1	2336	237	5.
1	0524	55	0.	1	1130	116	18.	1	1736	177	11.	1	2342	238	5.
1	0530	56	0.	1	1136	117	20.	1	1742	178	11.	1	2348	239	5.
1	0536	57	0.	1	1142	118	22.	1	1748	179	10.	1	2354	240	5.

```
   1    0542   58       0.   *    1      1148  119        24.   *    1      1754  180        10.   *    2     0000  241         5.
   1    0548   59       0.   *    1      1154  120        26.   *    1      1800  181        10.   *
   1    0554   60       0.   *    1      1200  121        30.   *    1      1806  182         9.   *
   1    0600   61       0.   *    1      1206  122        35.   *    1      1812  183         9.   *
                             *                                  *                                 *
*************************************************************************************************************************

  PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                       6-HR         24-HR        72-HR        24.00-HR
+   (CFS)        (HR)
                             (CFS)
+     213.      12.80                   50.          15.          15.           15.
                           (INCHES)    4.232        5.218        5.218         5.218
                           (AC-FT)      25.          31.          31.           31.

                           CUMULATIVE AREA =      .11 SQ MI

1                                                    STATION    A TO F

                         (I) INFLOW,   (O) OUTFLOW
           0.       40.       80.       120.      160.      200.      240.       0.        0.        0.        0.        0.        0.
DAHRMN PER
 10000   1I---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2I         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3I         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4I         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5I         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6I         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7I         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8I         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9I         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10I         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12I         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13I         .         .         .         .         .         .         .         .         .         .         .         .
 10118  14I         .         .         .         .         .         .         .         .         .         .         .         .
 10124  15I         .         .         .         .         .         .         .         .         .         .         .         .
 10130  16I         .         .         .         .         .         .         .         .         .         .         .         .
 10136  17I         .         .         .         .         .         .         .         .         .         .         .         .
 10142  18I         .         .         .         .         .         .         .         .         .         .         .         .
 10148  19I         .         .         .         .         .         .         .         .         .         .         .         .
 10154  20I         .         .         .         .         .         .         .         .         .         .         .         .
 10200  21I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  22I         .         .         .         .         .         .         .         .         .         .         .         .
 10212  23I         .         .         .         .         .         .         .         .         .         .         .         .
 10218  24I         .         .         .         .         .         .         .         .         .         .         .         .
 10224  25I         .         .         .         .         .         .         .         .         .         .         .         .
 10230  26I         .         .         .         .         .         .         .         .         .         .         .         .
 10236  27I         .         .         .         .         .         .         .         .         .         .         .         .
 10242  28I         .         .         .         .         .         .         .         .         .         .         .         .
 10248  29I         .         .         .         .         .         .         .         .         .         .         .         .
 10254  30I         .         .         .         .         .         .         .         .         .         .         .         .
 10300  31I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  32I         .         .         .         .         .         .         .         .         .         .         .         .
 10312  33I         .         .         .         .         .         .         .         .         .         .         .         .
 10318  34I         .         .         .         .         .         .         .         .         .         .         .         .
 10324  35I         .         .         .         .         .         .         .         .         .         .         .         .
 10330  36I         .         .         .         .         .         .         .         .         .         .         .         .
 10336  37I         .         .         .         .         .         .         .         .         .         .         .         .
 10342  38I         .         .         .         .         .         .         .         .         .         .         .         .
 10348  39I         .         .         .         .         .         .         .         .         .         .         .         .
 10354  40I         .         .         .         .         .         .         .         .         .         .         .         .
 10400  41I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  42I         .         .         .         .         .         .         .         .         .         .         .         .
 10412  43I         .         .         .         .         .         .         .         .         .         .         .         .
 10418  44I         .         .         .         .         .         .         .         .         .         .         .         .
 10424  45I         .         .         .         .         .         .         .         .         .         .         .         .
 10430  46I         .         .         .         .         .         .         .         .         .         .         .         .
 10436  47I         .         .         .         .         .         .         .         .         .         .         .         .
 10442  48I         .         .         .         .         .         .         .         .         .         .         .         .
 10448  49I         .         .         .         .         .         .         .         .         .         .         .         .
 10454  50I         .         .         .         .         .         .         .         .         .         .         .         .
 10500  51I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506  52I         .         .         .         .         .         .         .         .         .         .         .         .
 10512  53I         .         .         .         .         .         .         .         .         .         .         .         .
 10518  54I         .         .         .         .         .         .         .         .         .         .         .         .
 10524  55I         .         .         .         .         .         .         .         .         .         .         .         .
 10530  56I         .         .         .         .         .         .         .         .         .         .         .         .
 10536  57I         .         .         .         .         .         .         .         .         .         .         .         .
 10542  58I         .         .         .         .         .         .         .         .         .         .         .         .
 10548  59I         .         .         .         .         .         .         .         .         .         .         .         .
 10554  60I         .         .         .         .         .         .         .         .         .         .         .         .
 10600  61I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606  62I         .         .         .         .         .         .         .         .         .         .         .         .
 10612  63I         .         .         .         .         .         .         .         .         .         .         .         .
 10618  64I         .         .         .         .         .         .         .         .         .         .         .         .
 10624  65I         .         .         .         .         .         .         .         .         .         .         .         .
 10630  66I         .         .         .         .         .         .         .         .         .         .         .         .
 10636  67I         .         .         .         .         .         .         .         .         .         .         .         .
 10642  68I         .         .         .         .         .         .         .         .         .         .         .         .
 10648  69I         .         .         .         .         .         .         .         .         .         .         .         .
 10654  70I         .         .         .         .         .         .         .         .         .         .         .         .
 10700  71I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10706  72I         .         .         .         .         .         .         .         .         .         .         .         .
 10712  73I         .         .         .         .         .         .         .         .         .         .         .         .
 10718  74I         .         .         .         .         .         .         .         .         .         .         .         .
 10724  75I         .         .         .         .         .         .         .         .         .         .         .         .
 10730  76I         .         .         .         .         .         .         .         .         .         .         .         .
 10736  77I         .         .         .         .         .         .         .         .         .         .         .         .
 10742  78I         .         .         .         .         .         .         .         .         .         .         .         .
 10748  79I         .         .         .         .         .         .         .         .         .         .         .         .
 10754  80I         .         .         .         .         .         .         .         .         .         .         .         .
 10800  81I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10806  82OI        .         .         .         .         .         .         .         .         .         .         .         .
 10812  83OI        .         .         .         .         .         .         .         .         .         .         .         .
 10818  84OI        .         .         .         .         .         .         .         .         .         .         .         .
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10824  85.I
10830  86.I
10836  87.I
10842  88.I
10848  89.I
10854  90.I
10900  91.I.
10906  92.I
10912  93.I
10918  94.I
10924  95.I
10930  96.OI
10936  97.OI
10942  98.OI
10948  99. I
10954 100. I
11000 101. I
11006 102. I
11012 103. I
11018 104. I
11024 105.  OI
11030 106.  OI
11036 107.  OI
11042 108.   I
11048 109.   I
11054 110.   OI
11100 111.  .OI
11106 112.   OI
11112 113.    OI
11118 114.    OI
11124 115.    OI
11130 116.     OI
11136 117.     O I
11142 118.     O I
11148 119.      O  I.
11154 120.       O  .I
11200 121. . . .O. . . . I
11206 122.        O.              I
11212 123.          .O                      I
11218 124.               O                             I
11224 125.                       O                          . I
11230 126.                                 O                   I
11236 127.                                            O    I
11242 128.                                           I       . O
11248 129.                                    I                 O
11254 130.                             I                   O
11300 131.                        .I.                 O
11306 132.                    .I                O
11312 133.                 I           O
11318 134.               I        O
11324 135.             I      .O
11330 136.            I     O
11336 137.          .I    O
11342 138.         I   O
11348 139.        I.  O
11354 140.        I.O
11400 141. . . . I O
11406 142.       IO.
11412 143.      I O.
11418 144.      IO .
11424 145.      IO .
11430 146.     IO
11436 147.     IO
11442 148.     IO
11448 149.     I
11454 150.     I
11500 151. . .IO
11506 152.    IO
11512 153.    IO
11518 154.    I
11524 155.    I
11530 156.    I
11536 157.    I
11542 158.    I
11548 159.   IO
11554 160.   IO
11600 161. . IO.
11606 162.   I
11612 163.   I
11618 164.   I
11624 165.   I
11630 166.   I
11636 167.   I
11642 168.   I
11648 169.   I
11654 170.   I
11700 171. .IO
11706 172.  IO
11712 173.  IO
11718 174.  I
11724 175.  I
11730 176.  I
11736 177. IO
11742 178. IO
11748 179. IO
11754 180. I
11800 181. I
11806 182. I
11812 183. I
11818 184. I
11824 185. I
11830 186. I
11836 187. I
11842 188. I
11848 189. I
11854 190. I
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11900 191. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192. I       .         .         .         .         .         .         .         .         .         .         .         .
11912 193. I       .         .         .         .         .         .         .         .         .         .         .         .
11918 194. I       .         .         .         .         .         .         .         .         .         .         .         .
11924 195. I       .         .         .         .         .         .         .         .         .         .         .         .
11930 196. I       .         .         .         .         .         .         .         .         .         .         .         .
11936 197. I       .         .         .         .         .         .         .         .         .         .         .         .
11942 198. I       .         .         .         .         .         .         .         .         .         .         .         .
11948 199. I       .         .         .         .         .         .         .         .         .         .         .         .
11954 200. I       .         .         .         .         .         .         .         .         .         .         .         .
12000 201. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. I       .         .         .         .         .         .         .         .         .         .         .         .
12012 203. I       .         .         .         .         .         .         .         .         .         .         .         .
12018 204. I       .         .         .         .         .         .         .         .         .         .         .         .
12024 205. I       .         .         .         .         .         .         .         .         .         .         .         .
12030 206. I       .         .         .         .         .         .         .         .         .         .         .         .
12036 207. I       .         .         .         .         .         .         .         .         .         .         .         .
12042 208. I       .         .         .         .         .         .         .         .         .         .         .         .
12048 209. I       .         .         .         .         .         .         .         .         .         .         .         .
12054 210. I       .         .         .         .         .         .         .         .         .         .         .         .
12100 211. I . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. I       .         .         .         .         .         .         .         .         .         .         .         .
12112 213. I       .         .         .         .         .         .         .         .         .         .         .         .
12118 214. I       .         .         .         .         .         .         .         .         .         .         .         .
12124 215. I       .         .         .         .         .         .         .         .         .         .         .         .
12130 216. I       .         .         .         .         .         .         .         .         .         .         .         .
12136 217. I       .         .         .         .         .         .         .         .         .         .         .         .
12142 218.IO       .         .         .         .         .         .         .         .         .         .         .         .
12148 219.IO       .         .         .         .         .         .         .         .         .         .         .         .
12154 220.IO       .         .         .         .         .         .         .         .         .         .         .         .
12200 221.I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.I        .         .         .         .         .         .         .         .         .         .         .         .
12212 223.I        .         .         .         .         .         .         .         .         .         .         .         .
12218 224.OI       .         .         .         .         .         .         .         .         .         .         .         .
12224 225.OI       .         .         .         .         .         .         .         .         .         .         .         .
12230 226.I        .         .         .         .         .         .         .         .         .         .         .         .
12236 227.IO       .         .         .         .         .         .         .         .         .         .         .         .
12242 228.IO       .         .         .         .         .         .         .         .         .         .         .         .
12248 229.I        .         .         .         .         .         .         .         .         .         .         .         .
12254 230.I        .         .         .         .         .         .         .         .         .         .         .         .
12300 231.I. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.I        .         .         .         .         .         .         .         .         .         .         .         .
12312 233.I        .         .         .         .         .         .         .         .         .         .         .         .
12318 234.I        .         .         .         .         .         .         .         .         .         .         .         .
12324 235.I        .         .         .         .         .         .         .         .         .         .         .         .
12330 236.I        .         .         .         .         .         .         .         .         .         .         .         .
12336 237.I        .         .         .         .         .         .         .         .         .         .         .         .
12342 238.I        .         .         .         .         .         .         .         .         .         .         .         .
12348 239.I        .         .         .         .         .         .         .         .         .         .         .         .
12354 240.I        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.I--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1
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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

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              *            *
136 KK        *   SUB F    *        SUBAREA F WATERSHED AREA
              *            *
              **************

138 KO             OUTPUT CONTROL VARIABLES
                        IPRNT          2  PRINT CONTROL
                        IPLOT          2  PLOT CONTROL
                        QSCAL         0.  HYDROGRAPH PLOT SCALE

                 SUBBASIN RUNOFF DATA

139 BA             SUBBASIN CHARACTERISTICS
                        TAREA        .02  SUBBASIN AREA

                   PRECIPITATION DATA

 50 PB                  STORM       8.00  BASIN TOTAL PRECIPITATION

 52 PI               INCREMENTAL PRECIPITATION PATTERN
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .01       .00       .01       .00       .01       .01       .01       .01       .01       .01
                        .01       .01       .01       .01       .01       .01       .02       .03       .05       .08
                        .08       .05       .03       .02       .01       .01       .01       .01       .01       .01
                        .01       .01       .01       .01       .01       .00       .01       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00
                        .00       .00       .00       .00       .00       .00       .00       .00       .00       .00

140 LS             SCS LOSS RATE
                        STRTL       1.03  INITIAL ABSTRACTION
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CALIFONHYDROLOGY

CRVNBR 66.00 CURVE NUMBER
RTIMP .00 PERCENT IMPERVIOUS AREA

141 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .26 LAG

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UNIT HYDROGRAPH
15 END-OF-PERIOD ORDINATES

8.	26.	36.	31.	19.	11.	7.	4.	2.	1.
1.	0.	0.	0.	0.					

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HYDROGRAPH AT STATION SUB F

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DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.	1	1206	122	.67	.25	.42	26.
1	0006	2	.01	.01	.00	0.	1	1212	123	.43	.14	.29	37.
1	0012	3	.01	.01	.00	0.	1	1218	124	.28	.08	.20	42.
1	0018	4	.01	.01	.00	0.	1	1224	125	.13	.04	.09	40.
1	0024	5	.01	.01	.00	0.	1	1230	126	.10	.03	.07	33.
1	0030	6	.01	.01	.00	0.	1	1236	127	.10	.03	.07	26.
1	0036	7	.01	.01	.00	0.	1	1242	128	.09	.02	.06	20.
1	0042	8	.01	.01	.00	0.	1	1248	129	.07	.02	.05	16.
1	0048	9	.01	.01	.00	0.	1	1254	130	.07	.02	.05	13.
1	0054	10	.01	.01	.00	0.	1	1300	131	.06	.02	.05	11.
1	0100	11	.01	.01	.00	0.	1	1306	132	.06	.01	.04	9.
1	0106	12	.01	.01	.00	0.	1	1312	133	.06	.02	.05	8.
1	0112	13	.01	.01	.00	0.	1	1318	134	.05	.01	.04	8.
1	0118	14	.01	.01	.00	0.	1	1324	135	.06	.01	.04	7.
1	0124	15	.01	.01	.00	0.	1	1330	136	.05	.01	.04	7.
1	0130	16	.01	.01	.00	0.	1	1336	137	.04	.01	.03	6.
1	0136	17	.01	.01	.00	0.	1	1342	138	.05	.01	.04	6.
1	0142	18	.01	.01	.00	0.	1	1348	139	.04	.01	.03	5.
1	0148	19	.01	.01	.00	0.	1	1354	140	.04	.01	.03	5.
1	0154	20	.01	.01	.00	0.	1	1400	141	.04	.01	.03	5.
1	0200	21	.01	.01	.00	0.	1	1406	142	.04	.01	.03	5.
1	0206	22	.01	.01	.00	0.	1	1412	143	.04	.01	.03	5.
1	0212	23	.01	.01	.00	0.	1	1418	144	.03	.01	.02	5.
1	0218	24	.01	.01	.00	0.	1	1424	145	.03	.01	.02	4.
1	0224	25	.01	.01	.00	0.	1	1430	146	.04	.01	.03	4.
1	0230	26	.02	.02	.00	0.	1	1436	147	.03	.01	.02	4.
1	0236	27	.01	.01	.00	0.	1	1442	148	.03	.01	.02	4.
1	0242	28	.01	.01	.00	0.	1	1448	149	.02	.01	.02	4.
1	0248	29	.01	.01	.00	0.	1	1454	150	.03	.01	.02	4.
1	0254	30	.01	.01	.00	0.	1	1500	151	.03	.01	.02	4.
1	0300	31	.01	.01	.00	0.	1	1506	152	.03	.01	.02	4.
1	0306	32	.01	.01	.00	0.	1	1512	153	.02	.01	.02	4.
1	0312	33	.02	.02	.00	0.	1	1518	154	.03	.01	.03	3.
1	0318	34	.01	.01	.00	0.	1	1524	155	.02	.01	.02	3.
1	0324	35	.01	.01	.00	0.	1	1530	156	.02	.01	.02	3.
1	0330	36	.01	.01	.00	0.	1	1536	157	.03	.01	.03	3.
1	0336	37	.01	.01	.00	0.	1	1542	158	.02	.01	.02	3.
1	0342	38	.02	.02	.00	0.	1	1548	159	.02	.01	.02	3.
1	0348	39	.01	.01	.00	0.	1	1554	160	.02	.01	.02	3.
1	0354	40	.01	.01	.00	0.	1	1600	161	.02	.01	.02	3.
1	0400	41	.01	.01	.00	0.	1	1606	162	.02	.01	.02	3.
1	0406	42	.02	.02	.00	0.	1	1612	163	.02	.01	.02	3.
1	0412	43	.01	.01	.00	0.	1	1618	164	.02	.01	.02	3.
1	0418	44	.01	.01	.00	0.	1	1624	165	.02	.00	.02	3.
1	0424	45	.02	.02	.00	0.	1	1630	166	.02	.00	.01	3.
1	0430	46	.01	.01	.00	0.	1	1636	167	.02	.00	.02	3.
1	0436	47	.01	.01	.00	0.	1	1642	168	.02	.00	.02	3.
1	0442	48	.02	.02	.00	0.	1	1648	169	.02	.00	.01	3.
1	0448	49	.01	.01	.00	0.	1	1654	170	.02	.00	.01	2.
1	0454	50	.01	.01	.00	0.	1	1700	171	.01	.00	.01	2.
1	0500	51	.02	.02	.00	0.	1	1706	172	.02	.00	.01	2.
1	0506	52	.01	.01	.00	0.	1	1712	173	.02	.00	.01	2.
1	0512	53	.02	.02	.00	0.	1	1718	174	.02	.00	.01	2.
1	0518	54	.01	.01	.00	0.	1	1724	175	.02	.00	.01	2.
1	0524	55	.02	.02	.00	0.	1	1730	176	.01	.00	.01	2.
1	0530	56	.01	.01	.00	0.	1	1736	177	.02	.00	.01	2.
1	0536	57	.02	.02	.00	0.	1	1742	178	.02	.00	.01	2.
1	0542	58	.01	.01	.00	0.	1	1748	179	.01	.00	.01	2.
1	0548	59	.02	.02	.00	0.	1	1754	180	.02	.00	.01	2.
1	0554	60	.01	.01	.00	0.	1	1800	181	.02	.00	.01	2.
1	0600	61	.02	.02	.00	0.	1	1806	182	.01	.00	.01	2.
1	0606	62	.02	.02	.00	0.	1	1812	183	.02	.00	.01	2.
1	0612	63	.01	.01	.00	0.	1	1818	184	.01	.00	.01	2.
1	0618	64	.02	.02	.00	0.	1	1824	185	.02	.00	.01	1.
1	0624	65	.02	.02	.00	0.	1	1830	186	.01	.00	.01	1.
1	0630	66	.01	.01	.00	0.	1	1836	187	.02	.00	.01	1.
1	0636	67	.02	.02	.00	0.	1	1842	188	.01	.00	.01	1.
1	0642	68	.02	.02	.00	0.	1	1848	189	.02	.00	.01	1.
1	0648	69	.01	.01	.00	0.	1	1854	190	.01	.00	.01	1.
1	0654	70	.02	.02	.00	0.	1	1900	191	.02	.00	.01	1.
1	0700	71	.02	.02	.00	0.	1	1906	192	.01	.00	.01	1.
1	0706	72	.02	.02	.00	0.	1	1912	193	.01	.00	.01	1.
1	0712	73	.02	.02	.00	0.	1	1918	194	.02	.00	.01	1.
1	0718	74	.02	.02	.00	0.	1	1924	195	.01	.00	.01	1.
1	0724	75	.02	.02	.00	0.	1	1930	196	.02	.00	.01	1.
1	0730	76	.02	.02	.00	0.	1	1936	197	.01	.00	.01	1.
1	0736	77	.02	.02	.00	0.	1	1942	198	.01	.00	.01	1.
1	0742	78	.02	.02	.00	0.	1	1948	199	.02	.00	.01	1.
1	0748	79	.02	.02	.00	0.	1	1954	200	.01	.00	.01	1.
1	0754	80	.02	.02	.00	0.	1	2000	201	.01	.00	.01	1.
1	0800	81	.02	.02	.00	0.	1	2006	202	.01	.00	.01	1.
1	0806	82	.02	.02	.00	0.	1	2012	203	.02	.00	.01	1.
1	0812	83	.02	.02	.00	0.	1	2018	204	.01	.00	.01	1.
1	0818	84	.02	.02	.00	0.	1	2024	205	.01	.00	.01	1.
1	0824	85	.02	.02	.00	0.	1	2030	206	.01	.00	.01	1.

1	0830	86	.02	.02	.00	0.	*	1	2036	207	.02	.00	.01	1.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	1.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	1.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	1.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	1.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.02	.00	.01	1.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	1.
1	0912	93	.03	.03	.00	0.	*	1	2118	214	.01	.00	.01	1.
1	0918	94	.03	.03	.00	0.	*	1	2124	215	.01	.00	.01	1.
1	0924	95	.03	.03	.00	0.	*	1	2130	216	.01	.00	.01	1.
1	0930	96	.03	.03	.00	0.	*	1	2136	217	.01	.00	.01	1.
1	0936	97	.03	.03	.00	0.	*	1	2142	218	.01	.00	.01	1.
1	0942	98	.04	.03	.01	0.	*	1	2148	219	.01	.00	.01	1.
1	0948	99	.03	.03	.00	1.	*	1	2154	220	.01	.00	.01	1.
1	0954	100	.04	.03	.01	1.	*	1	2200	221	.02	.00	.01	1.
1	1000	101	.03	.03	.01	1.	*	1	2206	222	.01	.00	.01	1.
1	1006	102	.04	.03	.01	1.	*	1	2212	223	.01	.00	.01	1.
1	1012	103	.04	.03	.01	1.	*	1	2218	224	.01	.00	.01	1.
1	1018	104	.05	.04	.01	1.	*	1	2224	225	.01	.00	.01	1.
1	1024	105	.04	.03	.01	1.	*	1	2230	226	.01	.00	.01	1.
1	1030	106	.05	.04	.01	1.	*	1	2236	227	.01	.00	.01	1.
1	1036	107	.05	.04	.01	1.	*	1	2242	228	.01	.00	.01	1.
1	1042	108	.05	.04	.01	1.	*	1	2248	229	.01	.00	.01	1.
1	1048	109	.06	.04	.01	1.	*	1	2254	230	.01	.00	.01	1.
1	1054	110	.06	.04	.02	2.	*	1	2300	231	.01	.00	.01	1.
1	1100	111	.06	.05	.02	2.	*	1	2306	232	.01	.00	.01	1.
1	1106	112	.06	.04	.02	2.	*	1	2312	233	.01	.00	.01	1.
1	1112	113	.06	.04	.02	2.	*	1	2318	234	.01	.00	.01	1.
1	1118	114	.08	.05	.03	3.	*	1	2324	235	.01	.00	.01	1.
1	1124	115	.09	.06	.03	3.	*	1	2330	236	.01	.00	.01	1.
1	1130	116	.09	.06	.03	3.	*	1	2336	237	.01	.00	.01	1.
1	1136	117	.11	.07	.04	4.	*	1	2342	238	.01	.00	.01	1.
1	1142	118	.13	.08	.05	5.	*	1	2348	239	.00	.00	.00	1.
1	1148	119	.28	.16	.12	6.	*	1	2354	240	.00	.00	.00	1.
1	1154	120	.42	.22	.21	9.	*	2	0000	241	.01	.00	.01	1.
1	1200	121	.67	.29	.38	16.	*							

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TOTAL RAINFALL = 8.00, TOTAL LOSS = 3.99, TOTAL EXCESS = 4.01

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	24.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	42.	12.30		8.	2.	2.	2.
			(INCHES)	3.286	3.990	3.990	3.990
			(AC-FT)	4.	5.	5.	5.

CUMULATIVE AREA = .02 SQ MI

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HYDROGRAPH AT STATION SUB F
PLAN 1, RATIO = .54

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DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	0000	1	.00	.00	.00	0.	*	1	1206	122	.36	.23	.13	6.
1	0006	2	.00	.00	.00	0.	*	1	1212	123	.23	.14	.10	10.
1	0012	3	.00	.00	.00	0.	*	1	1218	124	.15	.08	.07	12.
1	0018	4	.00	.00	.00	0.	*	1	1224	125	.07	.04	.03	12.
1	0024	5	.00	.00	.00	0.	*	1	1230	126	.06	.03	.03	11.
1	0030	6	.00	.00	.00	0.	*	1	1236	127	.05	.03	.02	8.
1	0036	7	.00	.00	.00	0.	*	1	1242	128	.05	.02	.02	7.
1	0042	8	.00	.00	.00	0.	*	1	1248	129	.04	.02	.02	5.
1	0048	9	.00	.00	.00	0.	*	1	1254	130	.04	.02	.02	4.
1	0054	10	.00	.00	.00	0.	*	1	1300	131	.03	.02	.02	4.
1	0100	11	.00	.00	.00	0.	*	1	1306	132	.03	.01	.02	3.
1	0106	12	.00	.00	.00	0.	*	1	1312	133	.03	.02	.02	3.
1	0112	13	.00	.00	.00	0.	*	1	1318	134	.03	.01	.01	3.
1	0118	14	.00	.00	.00	0.	*	1	1324	135	.03	.01	.02	3.
1	0124	15	.00	.00	.00	0.	*	1	1330	136	.03	.01	.01	2.
1	0130	16	.00	.00	.00	0.	*	1	1336	137	.02	.01	.01	2.
1	0136	17	.00	.00	.00	0.	*	1	1342	138	.03	.01	.01	2.
1	0142	18	.00	.00	.00	0.	*	1	1348	139	.02	.01	.01	2.
1	0148	19	.00	.00	.00	0.	*	1	1354	140	.02	.01	.01	2.
1	0154	20	.00	.00	.00	0.	*	1	1400	141	.02	.01	.01	2.
1	0200	21	.00	.00	.00	0.	*	1	1406	142	.02	.01	.01	2.
1	0206	22	.00	.00	.00	0.	*	1	1412	143	.02	.01	.01	2.
1	0212	23	.00	.00	.00	0.	*	1	1418	144	.02	.01	.01	2.
1	0218	24	.00	.00	.00	0.	*	1	1424	145	.02	.01	.01	2.
1	0224	25	.00	.00	.00	0.	*	1	1430	146	.02	.01	.01	2.
1	0230	26	.01	.01	.00	0.	*	1	1436	147	.02	.01	.01	2.
1	0236	27	.00	.00	.00	0.	*	1	1442	148	.02	.01	.01	2.
1	0242	28	.00	.00	.00	0.	*	1	1448	149	.01	.01	.01	1.
1	0248	29	.00	.00	.00	0.	*	1	1454	150	.02	.01	.01	1.
1	0254	30	.00	.00	.00	0.	*	1	1500	151	.02	.01	.01	1.
1	0300	31	.00	.00	.00	0.	*	1	1506	152	.02	.01	.01	1.
1	0306	32	.00	.00	.00	0.	*	1	1512	153	.01	.01	.01	1.
1	0312	33	.01	.01	.00	0.	*	1	1518	154	.02	.01	.01	1.
1	0318	34	.00	.00	.00	0.	*	1	1524	155	.01	.01	.01	1.
1	0324	35	.00	.00	.00	0.	*	1	1530	156	.01	.01	.01	1.
1	0330	36	.00	.00	.00	0.	*	1	1536	157	.02	.01	.01	1.
1	0336	37	.00	.00	.00	0.	*	1	1542	158	.01	.01	.01	1.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.01	.01	.01	1.
1	0348	39	.00	.00	.00	0.	*	1	1554	160	.01	.01	.01	1.
1	0354	40	.00	.00	.00	0.	*	1	1600	161	.01	.01	.01	1.
1	0400	41	.00	.00	.00	0.	*	1	1606	162	.01	.01	.01	1.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.01	.01	.01	1.
1	0412	43	.00	.00	.00	0.	*	1	1618	164	.01	.01	.01	1.
1	0418	44	.00	.00	.00	0.	*	1	1624	165	.01	.01	.01	1.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	1.

1	0430	46	.00	.00	.00	0.	*	1	1636	167	.01	.01	.01	1.
1	0436	47	.00	.00	.00	0.	*	1	1642	168	.01	.01	.01	1.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	1.
1	0448	49	.00	.00	.00	0.	*	1	1654	170	.01	.00	.01	1.
1	0454	50	.00	.00	.00	0.	*	1	1700	171	.00	.00	.00	1.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	1.
1	0506	52	.00	.00	.00	0.	*	1	1712	173	.01	.00	.01	1.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	1.
1	0518	54	.00	.00	.00	0.	*	1	1724	175	.01	.00	.01	1.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.00	.00	.00	1.
1	0530	56	.00	.00	.00	0.	*	1	1736	177	.01	.00	.01	1.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	1.
1	0542	58	.00	.00	.00	0.	*	1	1748	179	.00	.00	.00	1.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	1.
1	0554	60	.00	.00	.00	0.	*	1	1800	181	.01	.00	.01	1.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.00	.00	.00	1.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	1.
1	0612	63	.00	.00	.00	0.	*	1	1818	184	.00	.00	.00	1.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	1.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.00	.00	.00	1.
1	0630	66	.00	.00	.00	0.	*	1	1836	187	.01	.00	.01	1.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.00	.00	.00	1.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	1.
1	0648	69	.00	.00	.00	0.	*	1	1854	190	.00	.00	.00	1.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	1.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.00	.00	.00	1.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.00	.00	.00	1.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	1.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.00	.00	.00	1.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	1.
1	0730	76	.01	.01	.00	0.	*	1	1936	197	.00	.00	.00	1.
1	0736	77	.01	.01	.00	0.	*	1	1942	198	.00	.00	.00	1.
1	0742	78	.01	.01	.00	0.	*	1	1948	199	.01	.00	.01	1.
1	0748	79	.01	.01	.00	0.	*	1	1954	200	.00	.00	.00	1.
1	0754	80	.01	.01	.00	0.	*	1	2000	201	.00	.00	.00	1.
1	0800	81	.01	.01	.00	0.	*	1	2006	202	.00	.00	.00	0.
1	0806	82	.01	.01	.00	0.	*	1	2012	203	.01	.00	.01	0.
1	0812	83	.01	.01	.00	0.	*	1	2018	204	.00	.00	.00	0.
1	0818	84	.01	.01	.00	0.	*	1	2024	205	.00	.00	.00	1.
1	0824	85	.01	.01	.00	0.	*	1	2030	206	.00	.00	.00	0.
1	0830	86	.01	.01	.00	0.	*	1	2036	207	.01	.00	.01	0.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.00	.00	.00	0.
1	0842	88	.01	.01	.00	0.	*	1	2048	209	.00	.00	.00	1.
1	0848	89	.01	.01	.00	0.	*	1	2054	210	.00	.00	.00	0.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.00	.00	.00	0.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	0.
1	0906	92	.01	.01	.00	0.	*	1	2112	213	.00	.00	.00	0.
1	0912	93	.02	.02	.00	0.	*	1	2118	214	.00	.00	.00	0.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.00	.00	.00	0.
1	0924	95	.02	.02	.00	0.	*	1	2130	216	.00	.00	.00	0.
1	0930	96	.02	.02	.00	0.	*	1	2136	217	.00	.00	.00	0.
1	0936	97	.02	.02	.00	0.	*	1	2142	218	.00	.00	.00	0.
1	0942	98	.02	.02	.00	0.	*	1	2148	219	.00	.00	.00	0.
1	0948	99	.02	.02	.00	0.	*	1	2154	220	.00	.00	.00	0.
1	0954	100	.02	.02	.00	0.	*	1	2200	221	.01	.00	.01	0.
1	1000	101	.02	.02	.00	0.	*	1	2206	222	.00	.00	.00	0.
1	1006	102	.02	.02	.00	0.	*	1	2212	223	.00	.00	.00	0.
1	1012	103	.02	.02	.00	0.	*	1	2218	224	.00	.00	.00	0.
1	1018	104	.03	.03	.00	0.	*	1	2224	225	.00	.00	.00	0.
1	1024	105	.02	.02	.00	0.	*	1	2230	226	.00	.00	.00	0.
1	1030	106	.03	.03	.00	0.	*	1	2236	227	.00	.00	.00	0.
1	1036	107	.03	.03	.00	0.	*	1	2242	228	.00	.00	.00	0.
1	1042	108	.03	.03	.00	0.	*	1	2248	229	.00	.00	.00	0.
1	1048	109	.03	.03	.00	0.	*	1	2254	230	.00	.00	.00	0.
1	1054	110	.03	.03	.00	0.	*	1	2300	231	.00	.00	.00	0.
1	1100	111	.03	.03	.00	0.	*	1	2306	232	.00	.00	.00	0.
1	1106	112	.03	.03	.00	0.	*	1	2312	233	.00	.00	.00	0.
1	1112	113	.03	.03	.00	0.	*	1	2318	234	.00	.00	.00	0.
1	1118	114	.04	.04	.00	0.	*	1	2324	235	.00	.00	.00	0.
1	1124	115	.05	.04	.00	0.	*	1	2330	236	.00	.00	.00	0.
1	1130	116	.05	.04	.00	0.	*	1	2336	237	.00	.00	.00	0.
1	1136	117	.06	.05	.01	0.	*	1	2342	238	.00	.00	.00	0.
1	1142	118	.07	.06	.01	1.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.15	.13	.02	1.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.23	.18	.05	2.	*	2	0000	241	.00	.00	.00	0.
1	1200	121	.36	.26	.10	3.	*							

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     TOTAL RAINFALL =    4.30, TOTAL LOSS =    3.03, TOTAL EXCESS =    1.27

  PEAK FLOW      TIME                              MAXIMUM AVERAGE FLOW
                                        6-HR          24-HR        72-HR        24.00-HR
+   (CFS)        (HR)
                              (CFS)
+      12.       12.40                      3.            1.           1.            1.
                            (INCHES)      1.046         1.262        1.262         1.262
                             (AC-FT)         1.            2.           2.            2.

                            CUMULATIVE AREA =     .02 SQ MI

1                                                         STATION     SUB F

                              (O) OUTFLOW
          0.        2.        4.        6.        8.       10.       12.       14.        0.        0.        0.        0.        0.
                                                                                                   (L) PRECIP,    (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .4        .3        .2        .1        .0
DAHRMN PER
 10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
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10048   90
10054  100
10100  110
10106  120
10112  130
10118  140
10124  150
10130  160
10136  170
10142  180
10148  190
10154  200
10200  210
10206  220
10212  230
10218  240
10224  250
10230  260   L
10236  270
10242  280
10248  290
10254  300
10300  310
10306  320
10312  330   L
10318  340
10324  350
10330  360
10336  370
10342  380   L
10348  390
10354  400
10400  410
10406  420   L
10412  430
10418  440
10424  450   L
10430  460
10436  470
10442  480   L
10448  490
10454  500
10500  510   L
10506  520
10512  530   L
10518  540
10524  550   L
10530  560
10536  570   L
10542  580
10548  590   L
10554  600
10600  610   L
10606  620   L
10612  630
10618  640   L
10624  650   L
10630  660
10636  670   L
10642  680   L
10648  690
10654  700   L
10700  710   L
10706  720   L
10712  730   L
10718  740   L
10724  750   L
10730  760   L
10736  770   L
10742  780   L
10748  790   L
10754  800   L
10800  810   L
10806  820   L
10812  830   L
10818  840   L
10824  850   L
10830  860   L
10836  870   LL
10842  880   L
10848  890   L
10854  900   LL
10900  910   LL
10906  920   L
10912  930   LL
10918  940   LL
10924  950   LL
10930  960   LL
10936  970   LL
10942  980   LL
10948  990   LL
10954 1000   LL
11000 1010   LL
11006 1020   LL
11012 1030   LL
11018 1040   LLL
11024 1050   LL
11030 1060   LLL
11036 1070   LLL
11042 1080   LLL
11048 1090   LLL
11054 1100   LLL
11100 1110   LLL
11106 1120   LLL
11112 1130   LLL
11118 1140   LLLL
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11124 115.O        .         .         .         .         .         .         .         .         .         .         .    LLLLL.
11130 116.O        .         .         .         .         .         .         .         .         .         .         .    LLLLL.
11136 117. O       .         .         .         .         .         .         .         .         .         .         .   LLLLLX.
11142 118.  O      .         .         .         .         .         .         .         .         .         .         .  LLLLLLX.
11148 119.   O     .         .         .         .         .         .         .         .         .         .    LLLLLLLLLLLLLXX.
11154 120.       O .         .         .         .         .         .         .         .         .      LLLLLLLLLLLLLLLLLLLXXXX.
11200 121. . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LLLLLLLLLLLLLLLLLLLLLLLLLLLLXXXXXXXX.
11206 122.         .         .         . O       .         .         .         .         .         . LLLLLLLLLLLLLLLLLLLLLLLLXXXXXXXXXXXX.
11212 123.         .         .         .         .        O.         .         .         .         .      LLLLLLLLLLLLLLXXXXXXXXX.
11218 124.         .         .         .         .         .         .O        .         .         .    LLLLLLLLLXXXXXX.
11224 125.         .         .         .         .         .         .O        .         .         .         .  LLLLXXX.
11230 126.         .         .         .         .         .  O      .         .         .         .         .   LLLXXX.
11236 127.         .         .         .         . O       .         .         .         .         .         .    LLLXX.
11242 128.         .         .         .  O      .         .         .         .         .         .         .    LLLXX.
11248 129.         .         .      O  .         .         .         .         .         .         .         .     LLXX.
11254 130.         .         . O       .         .         .         .         .         .         .         .     LLXX.
11300 131. . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.         .      O  .         .         .         .         .         .         .         .         .         .      LXX.
11312 133.         .    O    .         .         .         .         .         .         .         .         .         .      LXX.
11318 134.         .   O     .         .         .         .         .         .         .         .         .         .      LLX.
11324 135.         .  O      .         .         .         .         .         .         .         .         .         .      LXX.
11330 136.         . O       .         .         .         .         .         .         .         .         .         .      LLX.
11336 137.         .O        .         .         .         .         .         .         .         .         .         .       LX.
11342 138.         .O        .         .         .         .         .         .         .         .         .         .      LLX.
11348 139.         O         .         .         .         .         .         .         .         .         .         .       LX.
11354 140.         O         .         .         .         .         .         .         .         .         .         .       LX.
11400 141. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.        O.         .         .         .         .         .         .         .         .         .         .       LX.
11412 143.        O.         .         .         .         .         .         .         .         .         .         .       LX.
11418 144.        O.         .         .         .         .         .         .         .         .         .         .       LX.
11424 145.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11430 146.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11436 147.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11442 148.       O .         .         .         .         .         .         .         .         .         .         .       LX.
11448 149.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.      O  .         .         .         .         .         .         .         .         .         .         .       LX.
11500 151. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11506 152.      O  .         .         .         .         .         .         .         .         .         .         .       LX.
11512 153.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.      O  .         .         .         .         .         .         .         .         .         .         .       LX.
11524 155.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.     O   .         .         .         .         .         .         .         .         .         .         .       LX.
11542 158.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11654 170.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11700 171. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11712 173.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11718 174.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11724 175.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11730 176.   O     .         .         .         .         .         .         .         .         .         .         .         .
11736 177.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11742 178.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11748 179.  O      .         .         .         .         .         .         .         .         .         .         .         .
11754 180.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.  O      .         .         .         .         .         .         .         .         .         .         .         .
11812 183.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11818 184.  O      .         .         .         .         .         .         .         .         .         .         .         .
11824 185.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11830 186.  O      .         .         .         .         .         .         .         .         .         .         .         .
11836 187.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11842 188.  O      .         .         .         .         .         .         .         .         .         .         .         .
11848 189.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11854 190.  O      .         .         .         .         .         .         .         .         .         .         .         .
11900 191. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.  O      .         .         .         .         .         .         .         .         .         .         .         .
11912 193.  O      .         .         .         .         .         .         .         .         .         .         .         .
11918 194.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11924 195.  O      .         .         .         .         .         .         .         .         .         .         .         .
11930 196.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11936 197.  O      .         .         .         .         .         .         .         .         .         .         .         .
11942 198.  O      .         .         .         .         .         .         .         .         .         .         .         .
11948 199.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11954 200.  O      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O       .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .        X.
12018 204. O       .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  O      .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O       .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .        X.
12042 208. O       .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  O      .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O       .         .         .         .         .         .         .         .         .         .         .         .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .        X.
12112 213. O       .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O       .         .         .         .         .         .         .         .         .         .         .         .
12136 217. O       .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O       .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O       .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O       .         .         .         .         .         .         .         .         .         .         .         .
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12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O         .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O         .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O         .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O         .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O         .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O         .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O         .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O         .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O         .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O         .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O         .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O         .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O         .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O         .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O         .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O         .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O         .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB F
PLAN 1, RATIO = .63

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.01	.01	.00	0.
1		0012	3	.01	.01	.00	0.
1		0018	4	.00	.00	.00	0.
1		0024	5	.01	.01	.00	0.
1		0030	6	.00	.00	.00	0.
1		0036	7	.01	.01	.00	0.
1		0042	8	.01	.01	.00	0.
1		0048	9	.01	.01	.00	0.
1		0054	10	.00	.00	.00	0.
1		0100	11	.01	.01	.00	0.
1		0106	12	.01	.01	.00	0.
1		0112	13	.01	.01	.00	0.
1		0118	14	.01	.01	.00	0.
1		0124	15	.01	.01	.00	0.
1		0130	16	.00	.00	.00	0.
1		0136	17	.01	.01	.00	0.
1		0142	18	.01	.01	.00	0.
1		0148	19	.00	.00	.00	0.
1		0154	20	.01	.01	.00	0.
1		0200	21	.01	.01	.00	0.
1		0206	22	.01	.01	.00	0.
1		0212	23	.01	.01	.00	0.
1		0218	24	.01	.01	.00	0.
1		0224	25	.01	.01	.00	0.
1		0230	26	.01	.01	.00	0.
1		0236	27	.01	.01	.00	0.
1		0242	28	.01	.01	.00	0.
1		0248	29	.00	.00	.00	0.
1		0254	30	.01	.01	.00	0.
1		0300	31	.01	.01	.00	0.
1		0306	32	.01	.01	.00	0.
1		0312	33	.01	.01	.00	0.
1		0318	34	.00	.00	.00	0.
1		0324	35	.00	.00	.00	0.
1		0330	36	.01	.01	.00	0.
1		0336	37	.00	.00	.00	0.
1		0342	38	.01	.01	.00	0.
1		0348	39	.01	.01	.00	0.
1		0354	40	.00	.00	.00	0.
1		0400	41	.01	.01	.00	0.
1		0406	42	.01	.01	.00	0.
1		0412	43	.00	.00	.00	0.
1		0418	44	.00	.00	.00	0.
1		0424	45	.01	.01	.00	0.
1		0430	46	.01	.01	.00	0.
1		0436	47	.00	.00	.00	0.
1		0442	48	.01	.01	.00	0.
1		0448	49	.01	.01	.00	0.
1		0454	50	.00	.00	.00	0.
1		0500	51	.01	.01	.00	0.
1		0506	52	.00	.00	.00	0.
1		0512	53	.01	.01	.00	0.
1		0518	54	.01	.01	.00	0.
1		0524	55	.01	.01	.00	0.
1		0530	56	.01	.01	.00	0.
1		0536	57	.01	.01	.00	0.
1		0542	58	.01	.01	.00	0.
1		0548	59	.01	.01	.00	0.
1		0554	60	.01	.01	.00	0.
1		0600	61	.01	.01	.00	0.
1		0606	62	.01	.01	.00	0.
1		0612	63	.01	.01	.00	0.
1		0618	64	.01	.01	.00	0.
1		0624	65	.01	.01	.00	0.
1		0630	66	.00	.00	.00	0.
1		0636	67	.01	.01	.00	0.
1		0642	68	.01	.01	.00	0.
1		0648	69	.01	.01	.00	0.
1		0654	70	.01	.01	.00	0.
1		0700	71	.01	.01	.00	0.
1		0706	72	.01	.01	.00	0.
1		0712	73	.01	.01	.00	0.
1		0718	74	.01	.01	.00	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1206	122	.42	.24	.18	10.
1		1212	123	.27	.14	.13	14.
1		1218	124	.17	.08	.09	17.
1		1224	125	.08	.04	.04	17.
1		1230	126	.07	.03	.04	15.
1		1236	127	.06	.03	.03	11.
1		1242	128	.06	.02	.03	9.
1		1248	129	.05	.02	.03	7.
1		1254	130	.04	.02	.03	6.
1		1300	131	.04	.02	.02	5.
1		1306	132	.04	.01	.02	4.
1		1312	133	.04	.02	.02	4.
1		1318	134	.03	.01	.02	4.
1		1324	135	.03	.01	.02	3.
1		1330	136	.03	.01	.02	3.
1		1336	137	.02	.01	.01	3.
1		1342	138	.03	.01	.02	3.
1		1348	139	.02	.01	.01	3.
1		1354	140	.02	.01	.01	3.
1		1400	141	.02	.01	.02	2.
1		1406	142	.02	.01	.02	2.
1		1412	143	.02	.01	.02	2.
1		1418	144	.02	.01	.01	2.
1		1424	145	.02	.01	.01	2.
1		1430	146	.02	.01	.02	2.
1		1436	147	.02	.01	.01	2.
1		1442	148	.02	.01	.01	2.
1		1448	149	.02	.01	.01	2.
1		1454	150	.02	.01	.01	2.
1		1500	151	.02	.01	.01	2.
1		1506	152	.02	.01	.01	2.
1		1512	153	.02	.01	.01	2.
1		1518	154	.02	.01	.01	2.
1		1524	155	.01	.01	.01	2.
1		1530	156	.02	.01	.01	2.
1		1536	157	.02	.01	.01	2.
1		1542	158	.01	.01	.01	2.
1		1548	159	.02	.01	.01	2.
1		1554	160	.02	.01	.01	2.
1		1600	161	.01	.01	.01	1.
1		1606	162	.02	.01	.01	1.
1		1612	163	.02	.01	.01	1.
1		1618	164	.01	.01	.01	1.
1		1624	165	.02	.01	.01	1.
1		1630	166	.01	.00	.01	1.
1		1636	167	.02	.01	.01	1.
1		1642	168	.02	.01	.01	1.
1		1648	169	.01	.00	.01	1.
1		1654	170	.01	.00	.01	1.
1		1700	171	.00	.00	.00	1.
1		1706	172	.01	.00	.01	1.
1		1712	173	.01	.00	.01	1.
1		1718	174	.01	.00	.01	1.
1		1724	175	.01	.00	.01	1.
1		1730	176	.00	.00	.00	1.
1		1736	177	.01	.00	.01	1.
1		1742	178	.01	.00	.01	1.
1		1748	179	.00	.00	.00	1.
1		1754	180	.01	.00	.01	1.
1		1800	181	.01	.00	.01	1.
1		1806	182	.00	.00	.00	1.
1		1812	183	.01	.00	.01	1.
1		1818	184	.01	.00	.00	1.
1		1824	185	.01	.00	.01	1.
1		1830	186	.00	.00	.00	1.
1		1836	187	.01	.00	.01	1.
1		1842	188	.00	.00	.00	1.
1		1848	189	.01	.00	.01	1.
1		1854	190	.00	.00	.00	1.
1		1900	191	.01	.00	.01	1.
1		1906	192	.00	.00	.00	1.
1		1912	193	.00	.00	.00	1.
1		1918	194	.01	.00	.01	1.
1		1924	195	.00	.00	.00	1.

1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	1.
1	0730	76	.01	.01	.00	0.	*	1	1936	197	.01	.00	.00	1.
1	0736	77	.01	.01	.00	0.	*	1	1942	198	.00	.00	.00	1.
1	0742	78	.01	.01	.00	0.	*	1	1948	199	.01	.00	.01	1.
1	0748	79	.01	.01	.00	0.	*	1	1954	200	.00	.00	.00	1.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.00	1.
1	0800	81	.01	.01	.00	0.	*	1	2006	202	.00	.00	.00	1.
1	0806	82	.01	.01	.00	0.	*	1	2012	203	.01	.00	.01	1.
1	0812	83	.01	.01	.00	0.	*	1	2018	204	.01	.00	.00	1.
1	0818	84	.01	.01	.00	0.	*	1	2024	205	.00	.00	.00	1.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.00	.00	.00	1.
1	0830	86	.01	.01	.00	0.	*	1	2036	207	.01	.00	.01	1.
1	0836	87	.02	.02	.00	0.	*	1	2042	208	.01	.00	.00	1.
1	0842	88	.01	.01	.00	0.	*	1	2048	209	.00	.00	.00	1.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.00	.00	.00	1.
1	0854	90	.02	.02	.00	0.	*	1	2100	211	.00	.00	.00	1.
1	0900	91	.02	.02	.00	0.	*	1	2106	212	.01	.00	.01	1.
1	0906	92	.01	.01	.00	0.	*	1	2112	213	.00	.00	.00	1.
1	0912	93	.02	.02	.00	0.	*	1	2118	214	.00	.00	.00	1.
1	0918	94	.02	.02	.00	0.	*	1	2124	215	.00	.00	.00	1.
1	0924	95	.02	.02	.00	0.	*	1	2130	216	.01	.00	.00	1.
1	0930	96	.02	.02	.00	0.	*	1	2136	217	.00	.00	.00	1.
1	0936	97	.02	.02	.00	0.	*	1	2142	218	.00	.00	.00	1.
1	0942	98	.02	.02	.00	0.	*	1	2148	219	.00	.00	.00	1.
1	0948	99	.02	.02	.00	0.	*	1	2154	220	.00	.00	.00	1.
1	0954	100	.02	.02	.00	0.	*	1	2200	221	.01	.00	.01	1.
1	1000	101	.02	.02	.00	0.	*	1	2206	222	.00	.00	.00	1.
1	1006	102	.03	.03	.00	0.	*	1	2212	223	.00	.00	.00	1.
1	1012	103	.02	.02	.00	0.	*	1	2218	224	.01	.00	.00	1.
1	1018	104	.03	.03	.00	0.	*	1	2224	225	.00	.00	.00	1.
1	1024	105	.02	.02	.00	0.	*	1	2230	226	.00	.00	.00	1.
1	1030	106	.03	.03	.00	0.	*	1	2236	227	.00	.00	.00	1.
1	1036	107	.03	.03	.00	0.	*	1	2242	228	.00	.00	.00	1.
1	1042	108	.03	.03	.00	0.	*	1	2248	229	.01	.00	.00	1.
1	1048	109	.03	.03	.00	0.	*	1	2254	230	.00	.00	.00	1.
1	1054	110	.03	.03	.00	0.	*	1	2300	231	.00	.00	.00	1.
1	1100	111	.04	.04	.00	0.	*	1	2306	232	.00	.00	.00	0.
1	1106	112	.04	.04	.00	0.	*	1	2312	233	.00	.00	.00	0.
1	1112	113	.04	.04	.00	0.	*	1	2318	234	.01	.00	.00	0.
1	1118	114	.05	.04	.01	0.	*	1	2324	235	.00	.00	.00	0.
1	1124	115	.06	.05	.01	1.	*	1	2330	236	.00	.00	.00	0.
1	1130	116	.06	.05	.01	1.	*	1	2336	237	.00	.00	.00	0.
1	1136	117	.07	.06	.01	1.	*	1	2342	238	.01	.00	.00	0.
1	1142	118	.08	.06	.02	1.	*	1	2348	239	.00	.00	.00	0.
1	1148	119	.17	.14	.04	2.	*	1	2354	240	.00	.00	.00	0.
1	1154	120	.27	.19	.07	3.	*	2	0000	241	.00	.00	.00	0.
1	1200	121	.42	.27	.15	5.	*							

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TOTAL RAINFALL = 5.00, TOTAL LOSS = 3.27, TOTAL EXCESS = 1.73

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 17.	12.30		3.	1.	1.	1.
		(INCHES)	1.426	1.718	1.718	1.718
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .02 SQ MI

1 STATION SUB F

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                            (O) OUTFLOW
          0.        2.        4.        6.        8.        10.       12.       14.       16.       18.       0.         0.        0.
                                                                                                          (L) PRECIP,  (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4         .2        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
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10342  380        .         .         .         .         .         .         .         .         .         .         .        L.
10348  390        .         .         .         .         .         .         .         .         .         .         .         .
10354  400        .         .         .         .         .         .         .         .         .         .         .         .
10400  410. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420        .         .         .         .         .         .         .         .         .         .         .        L.
10412  430        .         .         .         .         .         .         .         .         .         .         .         .
10418  440        .         .         .         .         .         .         .         .         .         .         .         .
10424  450        .         .         .         .         .         .         .         .         .         .         .        L.
10430  460        .         .         .         .         .         .         .         .         .         .         .         .
10436  470        .         .         .         .         .         .         .         .         .         .         .         .
10442  480        .         .         .         .         .         .         .         .         .         .         .        L.
10448  490        .         .         .         .         .         .         .         .         .         .         .         .
10454  500        .         .         .         .         .         .         .         .         .         .         .         .
10500  510. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520        .         .         .         .         .         .         .         .         .         .         .         .
10512  530        .         .         .         .         .         .         .         .         .         .         .        L.
10518  540        .         .         .         .         .         .         .         .         .         .         .         .
10524  550        .         .         .         .         .         .         .         .         .         .         .        L.
10530  560        .         .         .         .         .         .         .         .         .         .         .         .
10536  570        .         .         .         .         .         .         .         .         .         .         .         .
10542  580        .         .         .         .         .         .         .         .         .         .         .         .
10548  590        .         .         .         .         .         .         .         .         .         .         .         .
10554  600        .         .         .         .         .         .         .         .         .         .         .         .
10600  610. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10606  620        .         .         .         .         .         .         .         .         .         .         .        L.
10612  630        .         .         .         .         .         .         .         .         .         .         .         .
10618  640        .         .         .         .         .         .         .         .         .         .         .         .
10624  650        .         .         .         .         .         .         .         .         .         .         .        L.
10630  660        .         .         .         .         .         .         .         .         .         .         .         .
10636  670        .         .         .         .         .         .         .         .         .         .         .        L.
10642  680        .         .         .         .         .         .         .         .         .         .         .         .
10648  690        .         .         .         .         .         .         .         .         .         .         .         .
10654  700        .         .         .         .         .         .         .         .         .         .         .         .
10700  710. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720        .         .         .         .         .         .         .         .         .         .         .         .
10712  730        .         .         .         .         .         .         .         .         .         .         .        L.
10718  740        .         .         .         .         .         .         .         .         .         .         .         .
10724  750        .         .         .         .         .         .         .         .         .         .         .        L.
10730  760        .         .         .         .         .         .         .         .         .         .         .        L.
10736  770        .         .         .         .         .         .         .         .         .         .         .        L.
10742  780        .         .         .         .         .         .         .         .         .         .         .        L.
10748  790        .         .         .         .         .         .         .         .         .         .         .        L.
10754  800        .         .         .         .         .         .         .         .         .         .         .        L.
10800  810. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820        .         .         .         .         .         .         .         .         .         .         .        L.
10812  830        .         .         .         .         .         .         .         .         .         .         .        L.
10818  840        .         .         .         .         .         .         .         .         .         .         .        L.
10824  850        .         .         .         .         .         .         .         .         .         .         .        L.
10830  860        .         .         .         .         .         .         .         .         .         .         .        L.
10836  870        .         .         .         .         .         .         .         .         .         .         .        L.
10842  880        .         .         .         .         .         .         .         .         .         .         .        L.
10848  890        .         .         .         .         .         .         .         .         .         .         .        L.
10854  900        .         .         .         .         .         .         .         .         .         .         .        L.
10900  910. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10906  920        .         .         .         .         .         .         .         .         .         .         .        L.
10912  930        .         .         .         .         .         .         .         .         .         .         .        L.
10918  940        .         .         .         .         .         .         .         .         .         .         .        L.
10924  950        .         .         .         .         .         .         .         .         .         .         .        L.
10930  960        .         .         .         .         .         .         .         .         .         .         .        L.
10936  970        .         .         .         .         .         .         .         .         .         .         .        L.
10942  980        .         .         .         .         .         .         .         .         .         .         .        L.
10948  990        .         .         .         .         .         .         .         .         .         .         .        L.
10954 1000        .         .         .         .         .         .         .         .         .         .         .        L.
11000 1010. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 1020        .         .         .         .         .         .         .         .         .         .         .        L.
11012 1030        .         .         .         .         .         .         .         .         .         .         .        L.
11018 1040        .         .         .         .         .         .         .         .         .         .         .        L.
11024 1050        .         .         .         .         .         .         .         .         .         .         .        L.
11030 1060        .         .         .         .         .         .         .         .         .         .         .       LL.
11036 1070        .         .         .         .         .         .         .         .         .         .         .        L.
11042 1080        .         .         .         .         .         .         .         .         .         .         .        L.
11048 1090        .         .         .         .         .         .         .         .         .         .         .       LL.
11054 110.o       .         .         .         .         .         .         .         .         .         .         .       LL.
11100 111.o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11106 112.o       .         .         .         .         .         .         .         .         .         .         .       LL.
11112 113. o      .         .         .         .         .         .         .         .         .         .         .       LL.
11118 114. o      .         .         .         .         .         .         .         .         .         .         .       LL.
11124 115.  o     .         .         .         .         .         .         .         .         .         .         .      LLL.
11130 116.  o     .         .         .         .         .         .         .         .         .         .         .      LLL.
11136 117.  o     .         .         .         .         .         .         .         .         .         .         .      LLX.
11142 118.    o   .         .         .         .         .         .         .         .         .         .         .     LLLX.
11148 119.      o .         .         .         .         .         .         .         .         .         .         .LLLLLLLXX.
11154 120.        .   o     .         .         .         .         .         .         .         .         .      LLLLLLLLLXXXX.
11200 121. . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLLLLLLLLLLLLLXXXXXXX.
11206 122.        .         .         .         .       O .         .         .         .       LLLLLLLLLLLLLXXXXXXXXX.
11212 123.        .         .         .         .         .         .         . O       .         .     LLLLLLLXXXXXXX.
11218 124.        .         .         .         .         .         .         .         .     O   .         .LLLLXXXXX.
11224 125.        .         .         .         .         .         .         .         .    O    .         .     LLXX.
11230 126.        .         .         .         .         .         .         .  O      .         .         .      LXX.
11236 127.        .         .         .         .         .      O  .         .         .         .         .      LXX.
11242 128.        .         .         .         .    O    .         .         .         .         .         .      LXX.
11248 129.        .         .         .     O   .         .         .         .         .         .         .       LX.
11254 130.        .         .         O         .         .         .         .         .         .         .       LX.
11300 131. . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11306 132.        .         . O       .         .         .         .         .         .         .         .       LX.
11312 133.        .         O         .         .         .         .         .         .         .         .       LX.
11318 134.        .       O .         .         .         .         .         .         .         .         .       LX.
11324 135.        .      O  .         .         .         .         .         .         .         .         .       LX.
11330 136.        .     O   .         .         .         .         .         .         .         .         .       LX.
11336 137.        .    O    .         .         .         .         .         .         .         .         .        X.
11342 138.        .   O     .         .         .         .         .         .         .         .         .        X.
11348 139.        .  O      .         .         .         .         .         .         .         .         .        X.
11354 140.        .  O      .         .         .         .         .         .         .         .         .        X.
11400 141. . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11406 142.        . O       .         .         .         .         .         .         .         .         .         .        X.
11412 143.        .O        .         .         .         .         .         .         .         .         .         .        X.
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11418 144.         .O        .         .         .         .         .         .         .         .         .         .        X.
11424 145.         .O        .         .         .         .         .         .         .         .         .         .        X.
11430 146.         O         .         .         .         .         .         .         .         .         .         .        X.
11436 147.         O         .         .         .         .         .         .         .         .         .         .        X.
11442 148.         O         .         .         .         .         .         .         .         .         .         .        X.
11448 149.         O         .         .         .         .         .         .         .         .         .         .        L.
11454 150.        O.         .         .         .         .         .         .         .         .         .         .        X.
11500 151. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.        O.         .         .         .         .         .         .         .         .         .         .        X.
11512 153.        O.         .         .         .         .         .         .         .         .         .         .        L.
11518 154.        O.         .         .         .         .         .         .         .         .         .         .        X.
11524 155.       O .         .         .         .         .         .         .         .         .         .         .        L.
11530 156.       O .         .         .         .         .         .         .         .         .         .         .        L.
11536 157.       O .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.       O .         .         .         .         .         .         .         .         .         .         .        L.
11548 159.       O .         .         .         .         .         .         .         .         .         .         .        L.
11554 160.       O .         .         .         .         .         .         .         .         .         .         .        L.
11600 161. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11606 162.      O  .         .         .         .         .         .         .         .         .         .         .        L.
11612 163.      O  .         .         .         .         .         .         .         .         .         .         .        L.
11618 164.      O  .         .         .         .         .         .         .         .         .         .         .        L.
11624 165.      O  .         .         .         .         .         .         .         .         .         .         .        L.
11630 166.      O  .         .         .         .         .         .         .         .         .         .         .         .
11636 167.      O  .         .         .         .         .         .         .         .         .         .         .        L.
11642 168.      O  .         .         .         .         .         .         .         .         .         .         .        L.
11648 169.     O   .         .         .         .         .         .         .         .         .         .         .         .
11654 170.     O   .         .         .         .         .         .         .         .         .         .         .        L.
11700 171. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.    O    .         .         .         .         .         .         .         .         .         .         .         .
11712 173.    O    .         .         .         .         .         .         .         .         .         .         .        L.
11718 174.   O     .         .         .         .         .         .         .         .         .         .         .         .
11724 175.    O    .         .         .         .         .         .         .         .         .         .         .        L.
11730 176.    O    .         .         .         .         .         .         .         .         .         .         .         .
11736 177.   O     .         .         .         .         .         .         .         .         .         .         .         .
11742 178.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11748 179.   O     .         .         .         .         .         .         .         .         .         .         .         .
11754 180.   O     .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11806 182.   O     .         .         .         .         .         .         .         .         .         .         .         .
11812 183.   O     .         .         .         .         .         .         .         .         .         .         .         .
11818 184.   O     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.   O     .         .         .         .         .         .         .         .         .         .         .         .
11830 186.   O     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.   O     .         .         .         .         .         .         .         .         .         .         .        L.
11842 188.   O     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.   O     .         .         .         .         .         .         .         .         .         .         .         .
11854 190.   O     .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11906 192.   O     .         .         .         .         .         .         .         .         .         .         .         .
11912 193.   O     .         .         .         .         .         .         .         .         .         .         .         .
11918 194.  O      .         .         .         .         .         .         .         .         .         .         .        L.
11924 195.  O      .         .         .         .         .         .         .         .         .         .         .         .
11930 196.  O      .         .         .         .         .         .         .         .         .         .         .         .
11936 197.   O     .         .         .         .         .         .         .         .         .         .         .         .
11942 198.  O      .         .         .         .         .         .         .         .         .         .         .         .
11948 199.  O      .         .         .         .         .         .         .         .         .         .         .         .
11954 200.  O      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  O      .         .         .         .         .         .         .         .         .         .         .         .
12012 203.  O      .         .         .         .         .         .         .         .         .         .         .         .
12018 204.  O      .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  O      .         .         .         .         .         .         .         .         .         .         .         .
12030 206.  O      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.  O      .         .         .         .         .         .         .         .         .         .         .         .
12042 208.  O      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  O      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.  O      .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  O      .         .         .         .         .         .         .         .         .         .         .        L.
12112 213.  O      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  O      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  O      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  O      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  O      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  O      .         .         .         .         .         .         .         .         .         .         .         .
12148 219.  O      .         .         .         .         .         .         .         .         .         .         .         .
12154 220.  O      .         .         .         .         .         .         .         .         .         .         .         .
12200 221. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
12206 222.  O      .         .         .         .         .         .         .         .         .         .         .         .
12212 223.  O      .         .         .         .         .         .         .         .         .         .         .         .
12218 224.  O      .         .         .         .         .         .         .         .         .         .         .         .
12224 225.  O      .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  O      .         .         .         .         .         .         .         .         .         .         .         .
12236 227.  O      .         .         .         .         .         .         .         .         .         .         .         .
12242 228.  O      .         .         .         .         .         .         .         .         .         .         .         .
12248 229.  O      .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  O      .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O       .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O       .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O       .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O       .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O       .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O       .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O       .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O       .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O       .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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****

HYDROGRAPH AT STATION SUB F
PLAN 1, RATIO = .76

****

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.
1		0006	2	.01	.01	.00	0.
1		0012	3	.01	.01	.00	0.
1		0018	4	.01	.01	.00	0.
1		0024	5	.01	.01	.00	0.
1		0030	6	.01	.01	.00	0.
1		0036	7	.01	.01	.00	0.
1		0042	8	.01	.01	.00	0.
1		0048	9	.01	.01	.00	0.
1		0054	10	.01	.01	.00	0.
1		0100	11	.01	.01	.00	0.
1		0106	12	.01	.01	.00	0.
1		0112	13	.01	.01	.00	0.
1		0118	14	.01	.01	.00	0.
1		0124	15	.01	.01	.00	0.
1		0130	16	.01	.01	.00	0.
1		0136	17	.01	.01	.00	0.
1		0142	18	.01	.01	.00	0.
1		0148	19	.01	.01	.00	0.
1		0154	20	.01	.01	.00	0.
1		0200	21	.01	.01	.00	0.
1		0206	22	.01	.01	.00	0.
1		0212	23	.01	.01	.00	0.
1		0218	24	.01	.01	.00	0.
1		0224	25	.01	.01	.00	0.
1		0230	26	.01	.01	.00	0.
1		0236	27	.01	.01	.00	0.
1		0242	28	.01	.01	.00	0.
1		0248	29	.01	.01	.00	0.
1		0254	30	.01	.01	.00	0.
1		0300	31	.01	.01	.00	0.
1		0306	32	.01	.01	.00	0.
1		0312	33	.01	.01	.00	0.
1		0318	34	.01	.01	.00	0.
1		0324	35	.01	.01	.00	0.
1		0330	36	.01	.01	.00	0.
1		0336	37	.01	.01	.00	0.
1		0342	38	.01	.01	.00	0.
1		0348	39	.01	.01	.00	0.
1		0354	40	.01	.01	.00	0.
1		0400	41	.01	.01	.00	0.
1		0406	42	.01	.01	.00	0.
1		0412	43	.01	.01	.00	0.
1		0418	44	.01	.01	.00	0.
1		0424	45	.01	.01	.00	0.
1		0430	46	.01	.01	.00	0.
1		0436	47	.01	.01	.00	0.
1		0442	48	.01	.01	.00	0.
1		0448	49	.01	.01	.00	0.
1		0454	50	.01	.01	.00	0.
1		0500	51	.01	.01	.00	0.
1		0506	52	.01	.01	.00	0.
1		0512	53	.01	.01	.00	0.
1		0518	54	.01	.01	.00	0.
1		0524	55	.01	.01	.00	0.
1		0530	56	.01	.01	.00	0.
1		0536	57	.01	.01	.00	0.
1		0542	58	.01	.01	.00	0.
1		0548	59	.01	.01	.00	0.
1		0554	60	.01	.01	.00	0.
1		0600	61	.01	.01	.00	0.
1		0606	62	.01	.01	.00	0.
1		0612	63	.01	.01	.00	0.
1		0618	64	.01	.01	.00	0.
1		0624	65	.01	.01	.00	0.
1		0630	66	.01	.01	.00	0.
1		0636	67	.01	.01	.00	0.
1		0642	68	.01	.01	.00	0.
1		0648	69	.01	.01	.00	0.
1		0654	70	.01	.01	.00	0.
1		0700	71	.01	.01	.00	0.
1		0706	72	.01	.01	.00	0.
1		0712	73	.01	.01	.00	0.
1		0718	74	.01	.01	.00	0.
1		0724	75	.01	.01	.00	0.
1		0730	76	.02	.02	.00	0.
1		0736	77	.02	.02	.00	0.
1		0742	78	.02	.02	.00	0.
1		0748	79	.02	.02	.00	0.
1		0754	80	.02	.02	.00	0.
1		0800	81	.02	.02	.00	0.
1		0806	82	.02	.02	.00	0.
1		0812	83	.02	.02	.00	0.
1		0818	84	.02	.02	.00	0.
1		0824	85	.02	.02	.00	0.
1		0830	86	.02	.02	.00	0.
1		0836	87	.02	.02	.00	0.
1		0842	88	.02	.02	.00	0.
1		0848	89	.02	.02	.00	0.
1		0854	90	.02	.02	.00	0.
1		0900	91	.02	.02	.00	0.
1		0906	92	.02	.02	.00	0.
1		0912	93	.02	.02	.00	0.
1		0918	94	.02	.02	.00	0.
1		0924	95	.02	.02	.00	0.
1		0930	96	.02	.02	.00	0.
1		0936	97	.02	.02	.00	0.
1		0942	98	.03	.03	.00	0.
1		0948	99	.02	.02	.00	0.
1		0954	100	.03	.03	.00	0.
1		1000	101	.02	.02	.00	0.
1		1006	102	.03	.03	.00	0.
1		1012	103	.03	.03	.00	0.

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		1206	122	.51	.25	.27	15.
1		1212	123	.33	.14	.19	22.
1		1218	124	.21	.09	.13	26.
1		1224	125	.10	.04	.06	25.
1		1230	126	.08	.03	.05	21.
1		1236	127	.07	.03	.05	17.
1		1242	128	.07	.02	.04	13.
1		1248	129	.05	.02	.04	10.
1		1254	130	.05	.02	.04	8.
1		1300	131	.05	.02	.03	7.
1		1306	132	.04	.01	.03	6.
1		1312	133	.05	.02	.03	6.
1		1318	134	.04	.01	.02	5.
1		1324	135	.04	.01	.03	5.
1		1330	136	.04	.01	.02	4.
1		1336	137	.03	.01	.02	4.
1		1342	138	.04	.01	.02	4.
1		1348	139	.03	.01	.02	4.
1		1354	140	.03	.01	.02	3.
1		1400	141	.03	.01	.02	3.
1		1406	142	.03	.01	.02	3.
1		1412	143	.03	.01	.02	3.
1		1418	144	.02	.01	.02	3.
1		1424	145	.02	.01	.02	3.
1		1430	146	.03	.01	.02	3.
1		1436	147	.02	.01	.02	3.
1		1442	148	.02	.01	.02	3.
1		1448	149	.02	.01	.01	3.
1		1454	150	.02	.01	.02	2.
1		1500	151	.02	.01	.02	2.
1		1506	152	.02	.01	.02	2.
1		1512	153	.02	.01	.01	2.
1		1518	154	.02	.01	.02	2.
1		1524	155	.02	.01	.01	2.
1		1530	156	.02	.01	.01	2.
1		1536	157	.02	.01	.02	2.
1		1542	158	.02	.01	.01	2.
1		1548	159	.02	.01	.01	2.
1		1554	160	.02	.01	.01	2.
1		1600	161	.02	.01	.01	2.
1		1606	162	.02	.01	.01	2.
1		1612	163	.02	.01	.01	2.
1		1618	164	.02	.01	.01	2.
1		1624	165	.02	.01	.01	2.
1		1630	166	.01	.00	.01	2.
1		1636	167	.02	.01	.01	2.
1		1642	168	.02	.01	.01	2.
1		1648	169	.01	.00	.01	2.
1		1654	170	.01	.00	.01	2.
1		1700	171	.01	.00	.00	2.
1		1706	172	.01	.00	.01	1.
1		1712	173	.01	.00	.01	1.
1		1718	174	.01	.00	.01	1.
1		1724	175	.01	.00	.01	1.
1		1730	176	.01	.00	.00	1.
1		1736	177	.01	.00	.01	1.
1		1742	178	.01	.00	.01	1.
1		1748	179	.01	.00	.00	1.
1		1754	180	.01	.00	.01	1.
1		1800	181	.01	.00	.01	1.
1		1806	182	.01	.00	.00	1.
1		1812	183	.01	.00	.01	1.
1		1818	184	.01	.00	.00	1.
1		1824	185	.01	.00	.01	1.
1		1830	186	.01	.00	.00	1.
1		1836	187	.01	.00	.01	1.
1		1842	188	.01	.00	.00	1.
1		1848	189	.01	.00	.01	1.
1		1854	190	.01	.00	.00	1.
1		1900	191	.01	.00	.01	1.
1		1906	192	.01	.00	.00	1.
1		1912	193	.01	.00	.00	1.
1		1918	194	.01	.00	.01	1.
1		1924	195	.01	.00	.00	1.
1		1930	196	.01	.00	.01	1.
1		1936	197	.01	.00	.00	1.
1		1942	198	.01	.00	.00	1.
1		1948	199	.01	.00	.01	1.
1		1954	200	.01	.00	.00	1.
1		2000	201	.01	.00	.00	1.
1		2006	202	.01	.00	.00	1.
1		2012	203	.01	.00	.01	1.
1		2018	204	.01	.00	.00	1.
1		2024	205	.01	.00	.00	1.
1		2030	206	.01	.00	.00	1.
1		2036	207	.01	.00	.01	1.
1		2042	208	.01	.00	.00	1.
1		2048	209	.01	.00	.00	1.
1		2054	210	.01	.00	.00	1.
1		2100	211	.01	.00	.00	1.
1		2106	212	.01	.00	.01	1.
1		2112	213	.01	.00	.00	1.
1		2118	214	.01	.00	.00	1.
1		2124	215	.01	.00	.00	1.
1		2130	216	.01	.00	.00	1.
1		2136	217	.01	.00	.00	1.
1		2142	218	.01	.00	.00	1.
1		2148	219	.01	.00	.00	1.
1		2154	220	.01	.00	.00	1.
1		2200	221	.01	.00	.01	1.
1		2206	222	.01	.00	.00	1.
1		2212	223	.01	.00	.00	1.
1		2218	224	.01	.00	.00	1.

CALIFONHYDROLOGY

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     1    1018  104     .04     .03     .00         0.     *        1     2224  225     .01     .00     .00          1.
     1    1024  105     .03     .03     .00         0.     *        1     2230  226     .01     .00     .00          1.
     1    1030  106     .04     .03     .00         0.     *        1     2236  227     .01     .00     .00          1.
     1    1036  107     .04     .03     .00         0.     *        1     2242  228     .01     .00     .00          1.
     1    1042  108     .04     .03     .00         0.     *        1     2248  229     .01     .00     .00          1.
     1    1048  109     .04     .04     .01         1.     *        1     2254  230     .01     .00     .00          1.
     1    1054  110     .04     .04     .01         1.     *        1     2300  231     .01     .00     .00          1.
     1    1100  111     .05     .04     .01         1.     *        1     2306  232     .01     .00     .00          1.
     1    1106  112     .05     .04     .01         1.     *        1     2312  233     .01     .00     .00          1.
     1    1112  113     .05     .04     .01         1.     *        1     2318  234     .01     .00     .00          1.
     1    1118  114     .06     .05     .01         1.     *        1     2324  235     .01     .00     .00          1.
     1    1124  115     .07     .05     .01         1.     *        1     2330  236     .01     .00     .00          1.
     1    1130  116     .07     .05     .02         2.     *        1     2336  237     .01     .00     .00          1.
     1    1136  117     .09     .06     .02         2.     *        1     2342  238     .01     .00     .00          1.
     1    1142  118     .10     .07     .03         2.     *        1     2348  239     .00     .00     .00          1.
     1    1148  119     .21     .15     .07         3.     *        1     2354  240     .00     .00     .00          1.
     1    1154  120     .32     .20     .12         5.     *        2     0000  241     .01     .00     .00          1.
     1    1200  121     .51     .28     .23         9.     *
                                                           *
*****************************************************************************************************************************

    TOTAL RAINFALL =    6.10, TOTAL LOSS =    3.59, TOTAL EXCESS =    2.51

  PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR        24-HR        72-HR       24.00-HR
+   (CFS)       (HR)
                              (CFS)
+     26.      12.30                   5.           2.           2.           2.
                            (INCHES)  2.073        2.502        2.502        2.502
                            (AC-FT)     3.           3.           3.           3.

                            CUMULATIVE AREA =    .02 SQ MI

1                                                     STATION    SUB F

                            (O) OUTFLOW
          0.        4.        8.       12.       16.       20.       24.       28.        0.        0.        0.        0.        0.
                                                                                                   (L) PRECIP,  (X) EXCESS
          .0        .0        .0        .0        .0        .0        .0        .0        .0        .6        .4        .2        .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
 10530  560         .         .         .         .         .         .         .         .         .         .         .         .
 10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
 10542  580         .         .         .         .         .         .         .         .         .         .         .         .
 10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
 10554  600         .         .         .         .         .         .         .         .         .         .         .         .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
 10612  630         .         .         .         .         .         .         .         .         .         .         .         .
 10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
 10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
 10630  660         .         .         .         .         .         .         .         .         .         .         .         .
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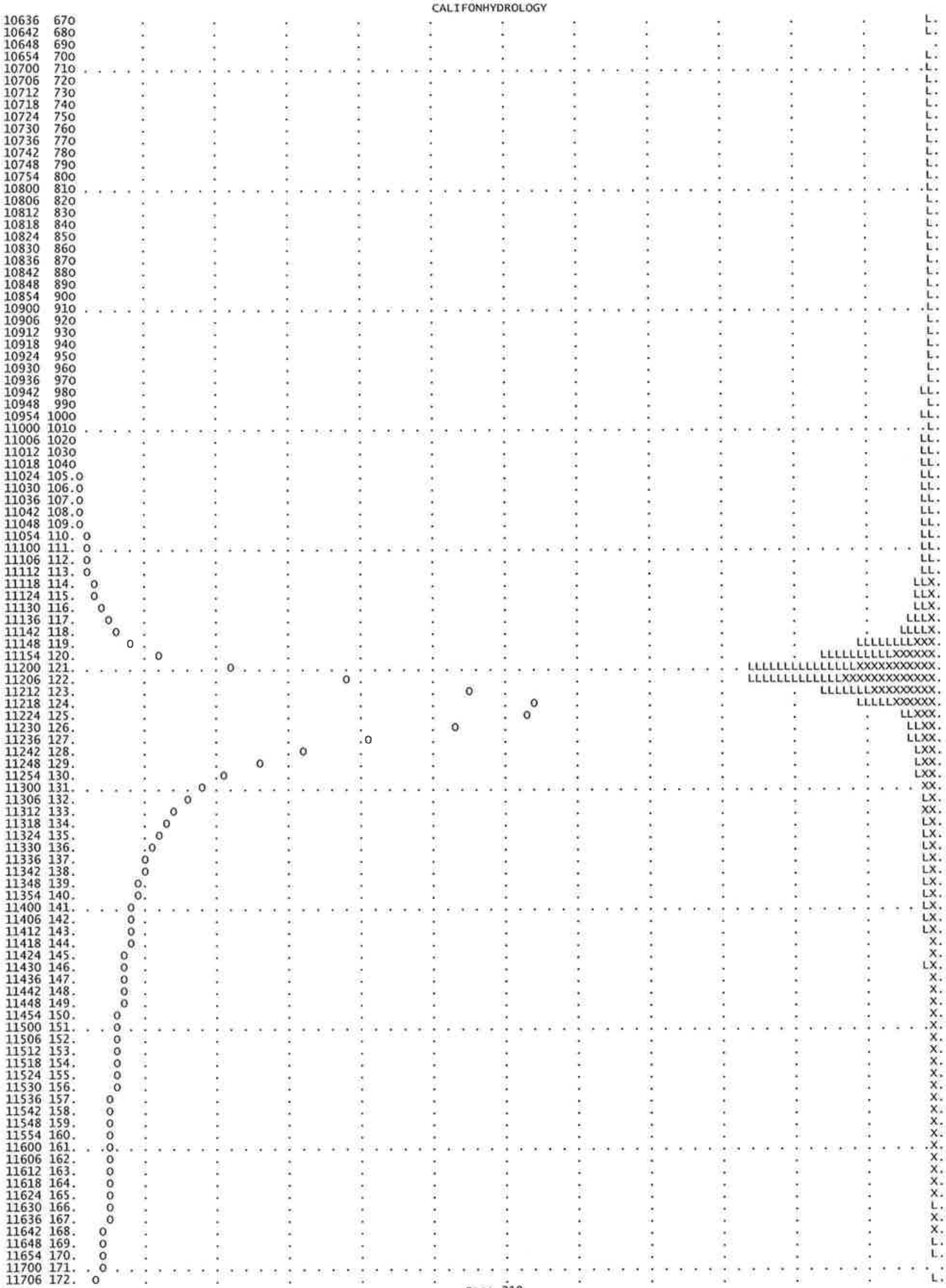
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10748 790
10754 800
10800 810
10806 820
10812 830
10818 840
10824 850
10830 860
10836 870
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11148 119.
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11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.

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 11712 173.   O      .         .         .         .         .         .         .         .         .         .         .        L.
 11718 174.   O      .         .         .         .         .         .         .         .         .         .         .        L.
 11724 175.   O      .         .         .         .         .         .         .         .         .         .         .        L.
 11730 176.   O      .         .         .         .         .         .         .         .         .         .         .         .
 11736 177.   O      .         .         .         .         .         .         .         .         .         .         .        L.
 11742 178.   O      .         .         .         .         .         .         .         .         .         .         .        L.
 11748 179.   O      .         .         .         .         .         .         .         .         .         .         .         .
 11754 180.   O      .         .         .         .         .         .         .         .         .         .         .        L.
 11800 181.  .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 11806 182.   O      .         .         .         .         .         .         .         .         .         .         .         .
 11812 183.   O      .         .         .         .         .         .         .         .         .         .         .        L.
 11818 184.   O      .         .         .         .         .         .         .         .         .         .         .         .
 11824 185.   O      .         .         .         .         .         .         .         .         .         .         .        L.
 11830 186.   O      .         .         .         .         .         .         .         .         .         .         .         .
 11836 187.  O       .         .         .         .         .         .         .         .         .         .         .        L.
 11842 188.  O       .         .         .         .         .         .         .         .         .         .         .         .
 11848 189.  O       .         .         .         .         .         .         .         .         .         .         .        L.
 11854 190.  O       .         .         .         .         .         .         .         .         .         .         .         .
 11900 191.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 11906 192.  O       .         .         .         .         .         .         .         .         .         .         .         .
 11912 193.  O       .         .         .         .         .         .         .         .         .         .         .         .
 11918 194.  O       .         .         .         .         .         .         .         .         .         .         .        L.
 11924 195.  O       .         .         .         .         .         .         .         .         .         .         .         .
 11930 196.  O       .         .         .         .         .         .         .         .         .         .         .        L.
 11936 197.  O       .         .         .         .         .         .         .         .         .         .         .         .
 11942 198.  O       .         .         .         .         .         .         .         .         .         .         .         .
 11948 199.  O       .         .         .         .         .         .         .         .         .         .         .        L.
 11954 200.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12000 201.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12006 202.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12012 203.  O       .         .         .         .         .         .         .         .         .         .         .        L.
 12018 204.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12024 205.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12030 206.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12036 207.  O       .         .         .         .         .         .         .         .         .         .         .        L.
 12042 208.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12048 209.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12054 210.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12100 211.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12106 212.  O       .         .         .         .         .         .         .         .         .         .         .        L.
 12112 213.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12118 214.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12124 215.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12130 216.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12136 217.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12142 218.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12148 219.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12154 220.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12200 221.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 12206 222.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12212 223.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12218 224.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12224 225.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12230 226.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12236 227.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12242 228.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12248 229.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12254 230.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12300 231.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 12306 232.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12312 233.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12318 234.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12324 235.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12330 236.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12336 237.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12342 238.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12348 239.  O       .         .         .         .         .         .         .         .         .         .         .         .
 12354 240.O         .         .         .         .         .         .         .         .         .         .         .         .
 20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB F
PLAN 1, RATIO = .88

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.59	.25	.34	20.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.38	.14	.24	29.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.24	.09	.16	33.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.11	.04	.07	32.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.09	.03	.06	27.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.08	.03	.06	21.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.08	.02	.05	16.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.06	.02	.04	13.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.06	.02	.04	11.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.02	.04	9.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.05	.01	.03	8.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.02	.04	7.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.04	.01	.03	6.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.05	.01	.03	6.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.04	.01	.03	5.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.03	.01	.02	5.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.04	.01	.03	5.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.03	.01	.03	4.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.03	.01	.03	4.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.03	.01	.03	4.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.03	.01	.03	4.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.03	.01	.03	4.
1		0212	23	.01	.01	.00	0.	*	1		1418	144	.03	.01	.02	4.
1		0218	24	.01	.01	.00	0.	*	1		1424	145	.03	.01	.02	4.
1		0224	25	.01	.01	.00	0.	*	1		1430	146	.03	.01	.03	3.
1		0230	26	.01	.01	.00	0.	*	1		1436	147	.03	.01	.02	3.

1	0236	27	.01	.01	.00	0.	*	1	1442	148	.03	.01	.02	3.
1	0242	28	.01	.01	.00	0.	*	1	1448	149	.02	.01	.02	3.
1	0248	29	.01	.01	.00	0.	*	1	1454	150	.03	.01	.02	3.
1	0254	30	.01	.01	.00	0.	*	1	1500	151	.03	.01	.02	3.
1	0300	31	.01	.01	.00	0.	*	1	1506	152	.03	.01	.02	3.
1	0306	32	.01	.01	.00	0.	*	1	1512	153	.02	.01	.02	3.
1	0312	33	.01	.01	.00	0.	*	1	1518	154	.03	.01	.02	3.
1	0318	34	.01	.01	.00	0.	*	1	1524	155	.02	.01	.02	3.
1	0324	35	.01	.01	.00	0.	*	1	1530	156	.02	.01	.02	3.
1	0330	36	.01	.01	.00	0.	*	1	1536	157	.03	.01	.02	3.
1	0336	37	.01	.01	.00	0.	*	1	1542	158	.02	.01	.02	3.
1	0342	38	.01	.01	.00	0.	*	1	1548	159	.02	.01	.02	3.
1	0348	39	.01	.01	.00	0.	*	1	1554	160	.02	.01	.02	3.
1	0354	40	.01	.01	.00	0.	*	1	1600	161	.02	.01	.02	2.
1	0400	41	.01	.01	.00	0.	*	1	1606	162	.02	.01	.02	2.
1	0406	42	.01	.01	.00	0.	*	1	1612	163	.02	.01	.02	2.
1	0412	43	.01	.01	.00	0.	*	1	1618	164	.02	.01	.02	2.
1	0418	44	.01	.01	.00	0.	*	1	1624	165	.02	.01	.02	2.
1	0424	45	.01	.01	.00	0.	*	1	1630	166	.01	.00	.01	2.
1	0430	46	.01	.01	.00	0.	*	1	1636	167	.02	.01	.02	2.
1	0436	47	.01	.01	.00	0.	*	1	1642	168	.02	.01	.02	2.
1	0442	48	.01	.01	.00	0.	*	1	1648	169	.01	.00	.01	2.
1	0448	49	.01	.01	.00	0.	*	1	1654	170	.01	.00	.01	2.
1	0454	50	.01	.01	.00	0.	*	1	1700	171	.01	.00	.01	2.
1	0500	51	.01	.01	.00	0.	*	1	1706	172	.01	.00	.01	2.
1	0506	52	.01	.01	.00	0.	*	1	1712	173	.01	.00	.01	1.
1	0512	53	.01	.01	.00	0.	*	1	1718	174	.01	.00	.01	1.
1	0518	54	.01	.01	.00	0.	*	1	1724	175	.01	.00	.01	2.
1	0524	55	.01	.01	.00	0.	*	1	1730	176	.01	.00	.01	1.
1	0530	56	.01	.01	.00	0.	*	1	1736	177	.01	.00	.01	1.
1	0536	57	.01	.01	.00	0.	*	1	1742	178	.01	.00	.01	1.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	1.
1	0548	59	.01	.01	.00	0.	*	1	1754	180	.01	.00	.01	1.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.01	.00	.01	1.
1	0600	61	.01	.01	.00	0.	*	1	1806	182	.01	.00	.01	1.
1	0606	62	.01	.01	.00	0.	*	1	1812	183	.01	.00	.01	1.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	1.
1	0618	64	.01	.01	.00	0.	*	1	1824	185	.01	.00	.01	1.
1	0624	65	.01	.01	.00	0.	*	1	1830	186	.01	.00	.01	1.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.01	.00	.01	1.
1	0636	67	.01	.01	.00	0.	*	1	1842	188	.01	.00	.01	1.
1	0642	68	.01	.01	.00	0.	*	1	1848	189	.01	.00	.01	1.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	1.
1	0654	70	.01	.01	.00	0.	*	1	1900	191	.01	.00	.01	1.
1	0700	71	.01	.01	.00	0.	*	1	1906	192	.01	.00	.01	1.
1	0706	72	.01	.01	.00	0.	*	1	1912	193	.01	.00	.01	1.
1	0712	73	.01	.01	.00	0.	*	1	1918	194	.01	.00	.01	1.
1	0718	74	.01	.01	.00	0.	*	1	1924	195	.01	.00	.01	1.
1	0724	75	.01	.01	.00	0.	*	1	1930	196	.01	.00	.01	1.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	1.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	1.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.01	.00	.01	1.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	1.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	1.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	1.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.01	.00	.01	1.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	1.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	1.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	1.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.01	.00	.01	1.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	1.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	1.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	1.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	1.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.01	.00	.01	1.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	1.
1	0912	93	.03	.03	.00	0.	*	1	2118	214	.01	.00	.01	1.
1	0918	94	.03	.03	.00	0.	*	1	2124	215	.01	.00	.01	1.
1	0924	95	.03	.03	.00	0.	*	1	2130	216	.01	.00	.01	1.
1	0930	96	.03	.03	.00	0.	*	1	2136	217	.01	.00	.01	1.
1	0936	97	.03	.03	.00	0.	*	1	2142	218	.01	.00	.01	1.
1	0942	98	.03	.03	.00	0.	*	1	2148	219	.01	.00	.01	1.
1	0948	99	.03	.03	.00	0.	*	1	2154	220	.01	.00	.01	1.
1	0954	100	.03	.03	.00	0.	*	1	2200	221	.01	.00	.01	1.
1	1000	101	.03	.03	.00	0.	*	1	2206	222	.01	.00	.01	1.
1	1006	102	.04	.03	.00	0.	*	1	2212	223	.01	.00	.01	1.
1	1012	103	.03	.03	.00	0.	*	1	2218	224	.01	.00	.01	1.
1	1018	104	.04	.04	.01	0.	*	1	2224	225	.01	.00	.01	1.
1	1024	105	.03	.03	.01	1.	*	1	2230	226	.01	.00	.01	1.
1	1030	106	.04	.04	.01	1.	*	1	2236	227	.01	.00	.01	1.
1	1036	107	.04	.03	.01	1.	*	1	2242	228	.01	.00	.01	1.
1	1042	108	.04	.03	.01	1.	*	1	2248	229	.01	.00	.01	1.
1	1048	109	.05	.04	.01	1.	*	1	2254	230	.01	.00	.01	1.
1	1054	110	.05	.04	.01	1.	*	1	2300	231	.01	.00	.01	1.
1	1100	111	.06	.04	.01	1.	*	1	2306	232	.01	.00	.01	1.
1	1106	112	.06	.04	.01	1.	*	1	2312	233	.01	.00	.01	1.
1	1112	113	.06	.04	.01	2.	*	1	2318	234	.01	.00	.01	1.
1	1118	114	.07	.05	.02	2.	*	1	2324	235	.01	.00	.01	1.
1	1124	115	.08	.06	.02	2.	*	1	2330	236	.01	.00	.01	1.
1	1130	116	.08	.05	.02	2.	*	1	2336	237	.01	.00	.01	1.
1	1136	117	.10	.07	.03	3.	*	1	2342	238	.01	.00	.01	1.
1	1142	118	.11	.07	.04	3.	*	1	2348	239	.00	.00	.00	1.
1	1148	119	.24	.15	.09	4.	*	1	2354	240	.00	.00	.00	1.
1	1154	120	.37	.21	.16	7.	*	2	0000	241	.01	.00	.01	1.
1	1200	121	.59	.29	.30	12.	*							

TOTAL RAINFALL = 7.00, TOTAL LOSS = 3.80, TOTAL EXCESS = 3.20

	PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
				6-HR	24-HR	72-HR	24.00-HR
+	(CFS)	(HR)					
			(CFS)				
+	33.	12.30		6.	2.	2.	2.
			(INCHES)	2.636	3.189	3.189	3.189

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                                                   CALIFONHYDROLOGY
                   (AC-FT)        3.         4.          4.               4.

                   CUMULATIVE AREA =       .02 SQ MI

1                                               STATION     SUB F

                        (O) OUTFLOW
          0.        4.        8.       12.       16.       20.       24.       28.       32.       36.         0.         0.         0.
                                                                                                          (L) PRECIP,  (X) EXCESS
         .0        .0        .0        .0        .0        .0        .0        .0        .0        .6          .4         .2         .0
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
 10530  560         .         .         .         .         .         .         .         .         .         .         .         .
 10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
 10542  580         .         .         .         .         .         .         .         .         .         .         .         .
 10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
 10554  600         .         .         .         .         .         .         .         .         .         .         .         .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
 10612  630         .         .         .         .         .         .         .         .         .         .         .         .
 10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
 10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
 10630  660         .         .         .         .         .         .         .         .         .         .         .         .
 10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
 10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
 10648  690         .         .         .         .         .         .         .         .         .         .         .         .
 10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
 10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
 10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
 10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
 10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
 10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
 10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
 10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
 10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
 10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
 10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
 10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
 10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
 10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
 10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
 10836  870         .         .         .         .         .         .         .         .         .         .         .        L.
 10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
 10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
 10854  900         .         .         .         .         .         .         .         .         .         .         .        L.
 10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
 10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
 10912  930         .         .         .         .         .         .         .         .         .         .         .        L.
 10918  940         .         .         .         .         .         .         .         .         .         .         .        L.
 10924  950         .         .         .         .         .         .         .         .         .         .         .        L.
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10930  96O         .         .         .         .         .         .         .         .         .         .         .        L.
10936  97O         .         .         .         .         .         .         .         .         .         .         .        L.
10942  98O         .         .         .         .         .         .         .         .         .         .         .       LL.
10948  99.O        .         .         .         .         .         .         .         .         .         .         .        L.
10954 100.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11000 101.O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
11006 102.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11012 103.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11018 104.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11024 105.O        .         .         .         .         .         .         .         .         .         .         .       LL.
11030 106. O       .         .         .         .         .         .         .         .         .         .         .       LL.
11036 107. O       .         .         .         .         .         .         .         .         .         .         .       LL.
11042 108. O       .         .         .         .         .         .         .         .         .         .         .       LL.
11048 109. O       .         .         .         .         .         .         .         .         .         .         .       LL.
11054 110.  O      .         .         .         .         .         .         .         .         .         .         .       LX.
11100 111. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.   O     .         .         .         .         .         .         .         .         .         .         .      LLX.
11112 113.   O     .         .         .         .         .         .         .         .         .         .         .      LLX.
11118 114.   O     .         .         .         .         .         .         .         .         .         .         .      LLX.
11124 115.    O    .         .         .         .         .         .         .         .         .         .         .     LLLX.
11130 116.     O   .         .         .         .         .         .         .         .         .         .         .     LLLX.
11136 117.      O  .         .         .         .         .         .         .         .         .         .         .    LLLXX.
11142 118.       O .         .         .         .         .         .         .         .         .         .         .   LLLLXX.
11148 119.         .O        .         .         .         .         .         .         .         .         .       LLLLLLLLXXXXX.
11154 120.         .      O  .         .         .         .         .         .         .         .         .LLLLLLLLLLLXXXXXXXX.
11200 121. . . . . . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLLLLLLLLLLLLLXXXXXXXXXXXXXXX.
11206 122.         .         .         .         .         .O        .         .         .         .LLLLLLLLLLLLLXXXXXXXXXXXXXXXX.
11212 123.         .         .         .         .         .         .         . O       .         .         .LLLLLLLXXXXXXXXXXXX.
11218 124.         .         .         .         .         .         .         .         .  O      .       LLLLLXXXXXXXX.
11224 125.         .         .         .         .         .         .         .         O         .         .   LLXXXX.
11230 126.         .         .         .         .         .         .      O  .         .         .         .    LLXXX.
11236 127.         .         .         .         .         . O       .         .         .         .         .     LXXX.
11242 128.         .         .         .         O         .         .         .         .         .         .     LXXX.
11248 129.         .         .         . O       .         .         .         .         .         .         .      LXX.
11254 130.         .         .     O   .         .         .         .         .         .         .         .      LXX.
11300 131. . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.         .        O.         .         .         .         .         .         .         .         .       XX.
11312 133.         .      O  .         .         .         .         .         .         .         .         .      LXX.
11318 134.         .     O   .         .         .         .         .         .         .         .         .       LX.
11324 135.         .   O     .         .         .         .         .         .         .         .         .       XX.
11330 136.         .  O      .         .         .         .         .         .         .         .         .       LX.
11336 137.         .  O      .         .         .         .         .         .         .         .         .       LX.
11342 138.         . O       .         .         .         .         .         .         .         .         .       XX.
11348 139.         .O        .         .         .         .         .         .         .         .         .       LX.
11354 140.         .O        .         .         .         .         .         .         .         .         .       LX.
11400 141. . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11406 142.         O         .         .         .         .         .         .         .         .         .         .       LX.
11412 143.         O         .         .         .         .         .         .         .         .         .         .       LX.
11418 144.        O.         .         .         .         .         .         .         .         .         .         .        X.
11424 145.        O.         .         .         .         .         .         .         .         .         .         .        X.
11430 146.        O.         .         .         .         .         .         .         .         .         .         .       LX.
11436 147.       O .         .         .         .         .         .         .         .         .         .         .        X.
11442 148.       O .         .         .         .         .         .         .         .         .         .         .        X.
11448 149.       O .         .         .         .         .         .         .         .         .         .         .        X.
11454 150.       O .         .         .         .         .         .         .         .         .         .         .        X.
11500 151. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11506 152.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11512 153.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11518 154.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11524 155.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11530 156.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11536 157.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11542 158.      O  .         .         .         .         .         .         .         .         .         .         .        X.
11548 159.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11554 160.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11600 161. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11612 163.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11618 164.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11624 165.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11630 166.     O   .         .         .         .         .         .         .         .         .         .         .        X.
11636 167.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11642 168.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11648 169.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11654 170.    O    .         .         .         .         .         .         .         .         .         .         .        X.
11700 171. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11712 173.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11718 174.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11724 175.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11730 176.   O     .         .         .         .         .         .         .         .         .         .         .         .
11736 177.   O     .         .         .         .         .         .         .         .         .         .         .        X.
11742 178.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11748 179.  O      .         .         .         .         .         .         .         .         .         .         .         .
11754 180.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.  O      .         .         .         .         .         .         .         .         .         .         .         .
11812 183.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11818 184.  O      .         .         .         .         .         .         .         .         .         .         .         .
11824 185.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11830 186.  O      .         .         .         .         .         .         .         .         .         .         .         .
11836 187.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11842 188.  O      .         .         .         .         .         .         .         .         .         .         .         .
11848 189.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11854 190.  O      .         .         .         .         .         .         .         .         .         .         .         .
11900 191. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.  O      .         .         .         .         .         .         .         .         .         .         .         .
11912 193.  O      .         .         .         .         .         .         .         .         .         .         .         .
11918 194.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11924 195.  O      .         .         .         .         .         .         .         .         .         .         .         .
11930 196.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11936 197.  O      .         .         .         .         .         .         .         .         .         .         .         .
11942 198.  O      .         .         .         .         .         .         .         .         .         .         .         .
11948 199.  O      .         .         .         .         .         .         .         .         .         .         .        X.
11954 200.  O      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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12006 202.  O      .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .        X.
12018 204.  O      .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  O      .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O       .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .        X.
12042 208.  O      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  O      .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O       .         .         .         .         .         .         .         .         .         .         .         .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .        X.
12112 213. O       .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  O      .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O       .         .         .         .         .         .         .         .         .         .         .         .
12136 217. O       .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O       .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O       .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O       .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222. O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O       .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O       .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O       .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O       .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O       .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O       .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O       .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O       .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O       .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O       .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O       .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O       .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O       .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O       .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O       .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O       .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION SUB F
PLAN 1, RATIO = 1.00

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1		0000	1	.00	.00	.00	0.	*	1		1206	122	.67	.25	.42	26.
1		0006	2	.01	.01	.00	0.	*	1		1212	123	.43	.14	.29	37.
1		0012	3	.01	.01	.00	0.	*	1		1218	124	.28	.08	.20	42.
1		0018	4	.01	.01	.00	0.	*	1		1224	125	.13	.04	.09	40.
1		0024	5	.01	.01	.00	0.	*	1		1230	126	.10	.03	.07	33.
1		0030	6	.01	.01	.00	0.	*	1		1236	127	.10	.03	.07	26.
1		0036	7	.01	.01	.00	0.	*	1		1242	128	.09	.02	.06	20.
1		0042	8	.01	.01	.00	0.	*	1		1248	129	.07	.02	.05	16.
1		0048	9	.01	.01	.00	0.	*	1		1254	130	.07	.02	.05	13.
1		0054	10	.01	.01	.00	0.	*	1		1300	131	.06	.02	.05	11.
1		0100	11	.01	.01	.00	0.	*	1		1306	132	.06	.01	.04	9.
1		0106	12	.01	.01	.00	0.	*	1		1312	133	.06	.02	.05	8.
1		0112	13	.01	.01	.00	0.	*	1		1318	134	.05	.01	.04	8.
1		0118	14	.01	.01	.00	0.	*	1		1324	135	.06	.01	.04	7.
1		0124	15	.01	.01	.00	0.	*	1		1330	136	.05	.01	.04	7.
1		0130	16	.01	.01	.00	0.	*	1		1336	137	.04	.01	.03	6.
1		0136	17	.01	.01	.00	0.	*	1		1342	138	.05	.01	.04	6.
1		0142	18	.01	.01	.00	0.	*	1		1348	139	.04	.01	.03	5.
1		0148	19	.01	.01	.00	0.	*	1		1354	140	.04	.01	.03	5.
1		0154	20	.01	.01	.00	0.	*	1		1400	141	.04	.01	.03	5.
1		0200	21	.01	.01	.00	0.	*	1		1406	142	.04	.01	.03	5.
1		0206	22	.01	.01	.00	0.	*	1		1412	143	.04	.01	.03	5.
1		0212	23	.01	.01	.00	0.	*	1		1418	144	.03	.01	.02	5.
1		0218	24	.01	.01	.00	0.	*	1		1424	145	.03	.01	.02	4.
1		0224	25	.01	.01	.00	0.	*	1		1430	146	.04	.01	.03	4.
1		0230	26	.02	.02	.00	0.	*	1		1436	147	.03	.01	.02	4.
1		0236	27	.01	.01	.00	0.	*	1		1442	148	.03	.01	.02	4.
1		0242	28	.01	.01	.00	0.	*	1		1448	149	.02	.01	.02	4.
1		0248	29	.01	.01	.00	0.	*	1		1454	150	.03	.01	.02	4.
1		0254	30	.01	.01	.00	0.	*	1		1500	151	.03	.01	.02	4.
1		0300	31	.01	.01	.00	0.	*	1		1506	152	.03	.01	.02	4.
1		0306	32	.01	.01	.00	0.	*	1		1512	153	.02	.01	.02	4.
1		0312	33	.02	.02	.00	0.	*	1		1518	154	.03	.01	.03	3.
1		0318	34	.01	.01	.00	0.	*	1		1524	155	.02	.01	.02	3.
1		0324	35	.01	.01	.00	0.	*	1		1530	156	.02	.01	.02	3.
1		0330	36	.01	.01	.00	0.	*	1		1536	157	.03	.01	.03	3.
1		0336	37	.01	.01	.00	0.	*	1		1542	158	.02	.01	.02	3.
1		0342	38	.02	.02	.00	0.	*	1		1548	159	.02	.01	.02	3.
1		0348	39	.01	.01	.00	0.	*	1		1554	160	.02	.01	.02	3.
1		0354	40	.01	.01	.00	0.	*	1		1600	161	.02	.01	.02	3.
1		0400	41	.01	.01	.00	0.	*	1		1606	162	.02	.01	.02	3.
1		0406	42	.02	.02	.00	0.	*	1		1612	163	.02	.01	.02	3.
1		0412	43	.01	.01	.00	0.	*	1		1618	164	.02	.01	.02	3.
1		0418	44	.01	.01	.00	0.	*	1		1624	165	.02	.00	.02	3.
1		0424	45	.02	.02	.00	0.	*	1		1630	166	.02	.00	.01	3.
1		0430	46	.01	.01	.00	0.	*	1		1636	167	.02	.00	.02	3.
1		0436	47	.01	.01	.00	0.	*	1		1642	168	.02	.00	.02	3.
1		0442	48	.02	.02	.00	0.	*	1		1648	169	.02	.00	.01	3.
1		0448	49	.01	.01	.00	0.	*	1		1654	170	.02	.00	.01	2.
1		0454	50	.01	.01	.00	0.	*	1		1700	171	.01	.00	.01	2.
1		0500	51	.02	.02	.00	0.	*	1		1706	172	.02	.00	.01	2.
1		0506	52	.01	.01	.00	0.	*	1		1712	173	.02	.00	.01	2.
1		0512	53	.02	.02	.00	0.	*	1		1718	174	.02	.00	.01	2.
1		0518	54	.01	.01	.00	0.	*	1		1724	175	.02	.00	.01	2.
1		0524	55	.02	.02	.00	0.	*	1		1730	176	.01	.00	.01	2.

1	0530	56	.01	.01	.00	0.	*	1	1736	177	.02	.00	.01	2.
1	0536	57	.02	.02	.00	0.	*	1	1742	178	.02	.00	.01	2.
1	0542	58	.01	.01	.00	0.	*	1	1748	179	.01	.00	.01	2.
1	0548	59	.02	.02	.00	0.	*	1	1754	180	.02	.00	.01	2.
1	0554	60	.01	.01	.00	0.	*	1	1800	181	.02	.00	.01	2.
1	0600	61	.02	.02	.00	0.	*	1	1806	182	.01	.00	.01	2.
1	0606	62	.02	.02	.00	0.	*	1	1812	183	.02	.00	.01	2.
1	0612	63	.01	.01	.00	0.	*	1	1818	184	.01	.00	.01	2.
1	0618	64	.02	.02	.00	0.	*	1	1824	185	.02	.00	.01	1.
1	0624	65	.02	.02	.00	0.	*	1	1830	186	.01	.00	.01	1.
1	0630	66	.01	.01	.00	0.	*	1	1836	187	.02	.00	.01	1.
1	0636	67	.02	.02	.00	0.	*	1	1842	188	.01	.00	.01	1.
1	0642	68	.02	.02	.00	0.	*	1	1848	189	.02	.00	.01	1.
1	0648	69	.01	.01	.00	0.	*	1	1854	190	.01	.00	.01	1.
1	0654	70	.02	.02	.00	0.	*	1	1900	191	.02	.00	.01	1.
1	0700	71	.02	.02	.00	0.	*	1	1906	192	.01	.00	.01	1.
1	0706	72	.02	.02	.00	0.	*	1	1912	193	.01	.00	.01	1.
1	0712	73	.02	.02	.00	0.	*	1	1918	194	.02	.00	.01	1.
1	0718	74	.02	.02	.00	0.	*	1	1924	195	.01	.00	.01	1.
1	0724	75	.02	.02	.00	0.	*	1	1930	196	.02	.00	.01	1.
1	0730	76	.02	.02	.00	0.	*	1	1936	197	.01	.00	.01	1.
1	0736	77	.02	.02	.00	0.	*	1	1942	198	.01	.00	.01	1.
1	0742	78	.02	.02	.00	0.	*	1	1948	199	.02	.00	.01	1.
1	0748	79	.02	.02	.00	0.	*	1	1954	200	.01	.00	.01	1.
1	0754	80	.02	.02	.00	0.	*	1	2000	201	.01	.00	.01	1.
1	0800	81	.02	.02	.00	0.	*	1	2006	202	.01	.00	.01	1.
1	0806	82	.02	.02	.00	0.	*	1	2012	203	.02	.00	.01	1.
1	0812	83	.02	.02	.00	0.	*	1	2018	204	.01	.00	.01	1.
1	0818	84	.02	.02	.00	0.	*	1	2024	205	.01	.00	.01	1.
1	0824	85	.02	.02	.00	0.	*	1	2030	206	.01	.00	.01	1.
1	0830	86	.02	.02	.00	0.	*	1	2036	207	.02	.00	.01	1.
1	0836	87	.03	.03	.00	0.	*	1	2042	208	.01	.00	.01	1.
1	0842	88	.02	.02	.00	0.	*	1	2048	209	.01	.00	.01	1.
1	0848	89	.02	.02	.00	0.	*	1	2054	210	.01	.00	.01	1.
1	0854	90	.03	.03	.00	0.	*	1	2100	211	.01	.00	.01	1.
1	0900	91	.03	.03	.00	0.	*	1	2106	212	.02	.00	.01	1.
1	0906	92	.02	.02	.00	0.	*	1	2112	213	.01	.00	.01	1.
1	0912	93	.03	.03	.00	0.	*	1	2118	214	.01	.00	.01	1.
1	0918	94	.03	.03	.00	0.	*	1	2124	215	.01	.00	.01	1.
1	0924	95	.03	.03	.00	0.	*	1	2130	216	.01	.00	.01	1.
1	0930	96	.03	.03	.00	0.	*	1	2136	217	.01	.00	.01	1.
1	0936	97	.03	.03	.00	0.	*	1	2142	218	.01	.00	.01	1.
1	0942	98	.04	.03	.01	0.	*	1	2148	219	.01	.00	.01	1.
1	0948	99	.03	.03	.00	1.	*	1	2154	220	.01	.00	.01	1.
1	0954	100	.04	.03	.01	1.	*	1	2200	221	.02	.00	.01	1.
1	1000	101	.03	.03	.01	1.	*	1	2206	222	.01	.00	.01	1.
1	1006	102	.04	.03	.01	1.	*	1	2212	223	.01	.00	.01	1.
1	1012	103	.04	.03	.01	1.	*	1	2218	224	.01	.00	.01	1.
1	1018	104	.05	.04	.01	1.	*	1	2224	225	.01	.00	.01	1.
1	1024	105	.04	.03	.01	1.	*	1	2230	226	.01	.00	.01	1.
1	1030	106	.05	.04	.01	1.	*	1	2236	227	.01	.00	.01	1.
1	1036	107	.05	.04	.01	1.	*	1	2242	228	.01	.00	.01	1.
1	1042	108	.05	.04	.01	1.	*	1	2248	229	.01	.00	.01	1.
1	1048	109	.06	.04	.01	1.	*	1	2254	230	.01	.00	.01	1.
1	1054	110	.06	.04	.02	2.	*	1	2300	231	.01	.00	.01	1.
1	1100	111	.06	.05	.02	2.	*	1	2306	232	.01	.00	.01	1.
1	1106	112	.06	.04	.02	2.	*	1	2312	233	.01	.00	.01	1.
1	1112	113	.06	.04	.02	2.	*	1	2318	234	.01	.00	.01	1.
1	1118	114	.08	.05	.03	3.	*	1	2324	235	.01	.00	.01	1.
1	1124	115	.09	.06	.03	3.	*	1	2330	236	.01	.00	.01	1.
1	1130	116	.09	.06	.03	3.	*	1	2336	237	.01	.00	.01	1.
1	1136	117	.11	.07	.04	4.	*	1	2342	238	.01	.00	.01	1.
1	1142	118	.13	.08	.05	5.	*	1	2348	239	.00	.00	.00	1.
1	1148	119	.28	.16	.12	6.	*	1	2354	240	.00	.00	.00	1.
1	1154	120	.42	.22	.21	9.	*	2	0000	241	.01	.00	.01	1.
1	1200	121	.67	.29	.38	16.	*							

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   TOTAL RAINFALL =    8.00, TOTAL LOSS =    3.99, TOTAL EXCESS =    4.01

  PEAK FLOW      TIME                         MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR       24.00-HR
+   (CFS)        (HR)
                            (CFS)
+     42.        12.30                 8.          2.          2.           2.
                          (INCHES)   3.286       3.990       3.990        3.990
                          (AC-FT)       4.          5.          5.           5.

                          CUMULATIVE AREA =     .02 SQ MI
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1                                                 STATION     SUB F

                          (O) OUTFLOW
        0.         5.        10.        15.        20.        25.        30.        35.        40.        45.         0.         0.         0.
                                                                                                          (L) PRECIP,   (X) EXCESS
        .0         .0         .0         .0         .0         .0         .0         .0         .8         .6          .4          .2         .0
DAHRMN PER
 10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
 10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
 10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
 10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
 10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
 10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
 10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
 10048   9O         .         .         .         .         .         .         .         .         .         .         .         .
 10054  10O         .         .         .         .         .         .         .         .         .         .         .         .
 10100  11O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  12O         .         .         .         .         .         .         .         .         .         .         .         .
 10112  13O         .         .         .         .         .         .         .         .         .         .         .         .
 10118  14O         .         .         .         .         .         .         .         .         .         .         .         .
 10124  15O         .         .         .         .         .         .         .         .         .         .         .         .
 10130  16O         .         .         .         .         .         .         .         .         .         .         .         .
 10136  17O         .         .         .         .         .         .         .         .         .         .         .         .
 10142  18O         .         .         .         .         .         .         .         .         .         .         .         .
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10148  190         .         .         .         .         .         .         .         .         .         .         .         .
10154  200         .         .         .         .         .         .         .         .         .         .         .         .
10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10206  220         .         .         .         .         .         .         .         .         .         .         .         .
10212  230         .         .         .         .         .         .         .         .         .         .         .         .
10218  240         .         .         .         .         .         .         .         .         .         .         .         .
10224  250         .         .         .         .         .         .         .         .         .         .         .         .
10230  260         .         .         .         .         .         .         .         .         .         .         .        L.
10236  270         .         .         .         .         .         .         .         .         .         .         .         .
10242  280         .         .         .         .         .         .         .         .         .         .         .         .
10248  290         .         .         .         .         .         .         .         .         .         .         .         .
10254  300         .         .         .         .         .         .         .         .         .         .         .         .
10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10306  320         .         .         .         .         .         .         .         .         .         .         .         .
10312  330         .         .         .         .         .         .         .         .         .         .         .        L.
10318  340         .         .         .         .         .         .         .         .         .         .         .         .
10324  350         .         .         .         .         .         .         .         .         .         .         .         .
10330  360         .         .         .         .         .         .         .         .         .         .         .         .
10336  370         .         .         .         .         .         .         .         .         .         .         .         .
10342  380         .         .         .         .         .         .         .         .         .         .         .        L.
10348  390         .         .         .         .         .         .         .         .         .         .         .         .
10354  400         .         .         .         .         .         .         .         .         .         .         .         .
10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10406  420         .         .         .         .         .         .         .         .         .         .         .        L.
10412  430         .         .         .         .         .         .         .         .         .         .         .         .
10418  440         .         .         .         .         .         .         .         .         .         .         .         .
10424  450         .         .         .         .         .         .         .         .         .         .         .        L.
10430  460         .         .         .         .         .         .         .         .         .         .         .         .
10436  470         .         .         .         .         .         .         .         .         .         .         .         .
10442  480         .         .         .         .         .         .         .         .         .         .         .        L.
10448  490         .         .         .         .         .         .         .         .         .         .         .         .
10454  500         .         .         .         .         .         .         .         .         .         .         .         .
10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10506  520         .         .         .         .         .         .         .         .         .         .         .         .
10512  530         .         .         .         .         .         .         .         .         .         .         .        L.
10518  540         .         .         .         .         .         .         .         .         .         .         .         .
10524  550         .         .         .         .         .         .         .         .         .         .         .        L.
10530  560         .         .         .         .         .         .         .         .         .         .         .         .
10536  570         .         .         .         .         .         .         .         .         .         .         .        L.
10542  580         .         .         .         .         .         .         .         .         .         .         .         .
10548  590         .         .         .         .         .         .         .         .         .         .         .        L.
10554  600         .         .         .         .         .         .         .         .         .         .         .         .
10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10606  620         .         .         .         .         .         .         .         .         .         .         .        L.
10612  630         .         .         .         .         .         .         .         .         .         .         .         .
10618  640         .         .         .         .         .         .         .         .         .         .         .        L.
10624  650         .         .         .         .         .         .         .         .         .         .         .        L.
10630  660         .         .         .         .         .         .         .         .         .         .         .         .
10636  670         .         .         .         .         .         .         .         .         .         .         .        L.
10642  680         .         .         .         .         .         .         .         .         .         .         .        L.
10648  690         .         .         .         .         .         .         .         .         .         .         .         .
10654  700         .         .         .         .         .         .         .         .         .         .         .        L.
10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10706  720         .         .         .         .         .         .         .         .         .         .         .        L.
10712  730         .         .         .         .         .         .         .         .         .         .         .        L.
10718  740         .         .         .         .         .         .         .         .         .         .         .        L.
10724  750         .         .         .         .         .         .         .         .         .         .         .        L.
10730  760         .         .         .         .         .         .         .         .         .         .         .        L.
10736  770         .         .         .         .         .         .         .         .         .         .         .        L.
10742  780         .         .         .         .         .         .         .         .         .         .         .        L.
10748  790         .         .         .         .         .         .         .         .         .         .         .        L.
10754  800         .         .         .         .         .         .         .         .         .         .         .        L.
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .L.
10806  820         .         .         .         .         .         .         .         .         .         .         .        L.
10812  830         .         .         .         .         .         .         .         .         .         .         .        L.
10818  840         .         .         .         .         .         .         .         .         .         .         .        L.
10824  850         .         .         .         .         .         .         .         .         .         .         .        L.
10830  860         .         .         .         .         .         .         .         .         .         .         .        L.
10836  870         .         .         .         .         .         .         .         .         .         .         .       LL.
10842  880         .         .         .         .         .         .         .         .         .         .         .        L.
10848  890         .         .         .         .         .         .         .         .         .         .         .        L.
10854  900         .         .         .         .         .         .         .         .         .         .         .       LL.
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
10906  920         .         .         .         .         .         .         .         .         .         .         .        L.
10912  930         .         .         .         .         .         .         .         .         .         .         .       LL.
10918  940         .         .         .         .         .         .         .         .         .         .         .       LL.
10924  95.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10930  96.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10936  97.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10942  98.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10948  99.o        .         .         .         .         .         .         .         .         .         .         .       LL.
10954 100.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11000 101.o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LL.
11006 102.o        .         .         .         .         .         .         .         .         .         .         .       LL.
11012 103. o       .         .         .         .         .         .         .         .         .         .         .       LL.
11018 104. o       .         .         .         .         .         .         .         .         .         .         .       LL.
11024 105. o       .         .         .         .         .         .         .         .         .         .         .       LL.
11030 106. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11036 107. o       .         .         .         .         .         .         .         .         .         .         .       LX.
11042 108.  o      .         .         .         .         .         .         .         .         .         .         .       LX.
11048 109.  o      .         .         .         .         .         .         .         .         .         .         .      LLX.
11054 110.  o      .         .         .         .         .         .         .         .         .         .         .      LLX.
11100 111. . o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LLX.
11106 112.   o     .         .         .         .         .         .         .         .         .         .         .      LLX.
11112 113.    o    .         .         .         .         .         .         .         .         .         .         .      LLX.
11118 114.    o    .         .         .         .         .         .         .         .         .         .         .     LLLX.
11124 115.     o   .         .         .         .         .         .         .         .         .         .         .     LLXX.
11130 116.      o  .         .         .         .         .         .         .         .         .         .         .     LLXX.
11136 117.       o .         .         .         .         .         .         .         .         .         .         .   LLLLXX.
11142 118.        o.         .         .         .         .         .         .         .         .         .         .   LLLXXX.
11148 119.         . o       .         .         .         .         .         .         .         .         .     LLLLLLLLXXXXXX.
11154 120.         .        o.         .         .         .         .         .         .        LLLLLLLLLLLXXXXXXXXXX.
11200 121. . . . . . . . . . . . . . . . o . . . . . . . . . . . . . . . . . . . . . . . . . . LLLLLLLLLLLLLLXXXXXXXXXXXXXXXXXXXX.
11206 122.         .         .         .         .         .  o      .         .         .     LLLLLLLLLLLLLXXXXXXXXXXXXXXXXXXXXX.
11212 123.         .         .         .         .         .         .         .   o     .         .       LLLLLLLXXXXXXXXXXXXXXX.
11218 124.         .         .         .         .         .         .         .         .    o    .         .     LLLLXXXXXXXXXX.
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11224 125.          .         .         .         .         .         .         O         .         .         .   LXXXXX.
11230 126.          .         .         .         .         .      O  .         .         .         .    LXXXX.
11236 127.          .         .         .         .          O       .         .         .         .         .    LLXXX.
11242 128.          .         .         O         .         .         .         .         .         .     LXXX.
11248 129.          .         .         .O        .         .         .         .         .         .         .     LXXX.
11254 130.          .         .     O   .         .         .         .         .         .         .         .     LXXX.
11300 131.  . . . . . . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .LXX.
11306 132.          .        O.         .         .         .         .         .         .         .         .      LXX.
11312 133.          .      O  .         .         .         .         .         .         .         .         .      LXX.
11318 134.          .    O    .         .         .         .         .         .         .         .         .       XX.
11324 135.          .   O     .         .         .         .         .         .         .         .         .      LXX.
11330 136.          .  O      .         .         .         .         .         .         .         .         .       XX.
11336 137.          . O       .         .         .         .         .         .         .         .         .       XX.
11342 138.          .O        .         .         .         .         .         .         .         .         .       XX.
11348 139.          .O        .         .         .         .         .         .         .         .         .       XX.
11354 140.          O         .         .         .         .         .         .         .         .         .       XX.
11400 141.  . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . XX.
11406 142.         O.         .         .         .         .         .         .         .         .         .       XX.
11412 143.         O.         .         .         .         .         .         .         .         .         .       XX.
11418 144.         O.         .         .         .         .         .         .         .         .         .       LX.
11424 145.         O.         .         .         .         .         .         .         .         .         .       LX.
11430 146.        O .         .         .         .         .         .         .         .         .         .       XX.
11436 147.        O .         .         .         .         .         .         .         .         .         .       LX.
11442 148.        O .         .         .         .         .         .         .         .         .         .       LX.
11448 149.        O .         .         .         .         .         .         .         .         .         .        X.
11454 150.       O  .         .         .         .         .         .         .         .         .         .       LX.
11500 151.  . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . LX.
11506 152.       O  .         .         .         .         .         .         .         .         .         .       LX.
11512 153.       O  .         .         .         .         .         .         .         .         .         .        X.
11518 154.       O  .         .         .         .         .         .         .         .         .         .       LX.
11524 155.       O  .         .         .         .         .         .         .         .         .         .        X.
11530 156.       O  .         .         .         .         .         .         .         .         .         .        X.
11536 157.      O   .         .         .         .         .         .         .         .         .         .       LX.
11542 158.      O   .         .         .         .         .         .         .         .         .         .        X.
11548 159.      O   .         .         .         .         .         .         .         .         .         .        X.
11554 160.      O   .         .         .         .         .         .         .         .         .         .        X.
11600 161.  . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11606 162.      O   .         .         .         .         .         .         .         .         .         .        X.
11612 163.      O   .         .         .         .         .         .         .         .         .         .        X.
11618 164.      O   .         .         .         .         .         .         .         .         .         .        X.
11624 165.      O   .         .         .         .         .         .         .         .         .         .        X.
11630 166.      O   .         .         .         .         .         .         .         .         .         .        X.
11636 167.     O    .         .         .         .         .         .         .         .         .         .        X.
11642 168.     O    .         .         .         .         .         .         .         .         .         .        X.
11648 169.     O    .         .         .         .         .         .         .         .         .         .        X.
11654 170.     O    .         .         .         .         .         .         .         .         .         .        X.
11700 171.  . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.    O     .         .         .         .         .         .         .         .         .         .        X.
11712 173.    O     .         .         .         .         .         .         .         .         .         .        X.
11718 174.    O     .         .         .         .         .         .         .         .         .         .        X.
11724 175.    O     .         .         .         .         .         .         .         .         .         .        X.
11730 176.    O     .         .         .         .         .         .         .         .         .         .         .
11736 177.   O      .         .         .         .         .         .         .         .         .         .        X.
11742 178.   O      .         .         .         .         .         .         .         .         .         .        X.
11748 179.   O      .         .         .         .         .         .         .         .         .         .         .
11754 180.   O      .         .         .         .         .         .         .         .         .         .        X.
11800 181.  .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11806 182.   O      .         .         .         .         .         .         .         .         .         .         .
11812 183.   O      .         .         .         .         .         .         .         .         .         .        X.
11818 184.   O      .         .         .         .         .         .         .         .         .         .         .
11824 185.   O      .         .         .         .         .         .         .         .         .         .        X.
11830 186.   O      .         .         .         .         .         .         .         .         .         .         .
11836 187.   O      .         .         .         .         .         .         .         .         .         .        X.
11842 188.   O      .         .         .         .         .         .         .         .         .         .         .
11848 189.   O      .         .         .         .         .         .         .         .         .         .        X.
11854 190.   O      .         .         .         .         .         .         .         .         .         .         .
11900 191.  .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
11906 192.   O      .         .         .         .         .         .         .         .         .         .         .
11912 193.   O      .         .         .         .         .         .         .         .         .         .         .
11918 194.   O      .         .         .         .         .         .         .         .         .         .        X.
11924 195.   O      .         .         .         .         .         .         .         .         .         .         .
11930 196.   O      .         .         .         .         .         .         .         .         .         .        X.
11936 197.   O      .         .         .         .         .         .         .         .         .         .         .
11942 198.   O      .         .         .         .         .         .         .         .         .         .         .
11948 199.   O      .         .         .         .         .         .         .         .         .         .        X.
11954 200.   O      .         .         .         .         .         .         .         .         .         .         .
12000 201.  .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  O       .         .         .         .         .         .         .         .         .         .         .
12012 203.  O       .         .         .         .         .         .         .         .         .         .        X.
12018 204.  O       .         .         .         .         .         .         .         .         .         .         .
12024 205.  O       .         .         .         .         .         .         .         .         .         .         .
12030 206.  O       .         .         .         .         .         .         .         .         .         .         .
12036 207.  O       .         .         .         .         .         .         .         .         .         .        X.
12042 208.  O       .         .         .         .         .         .         .         .         .         .         .
12048 209.  O       .         .         .         .         .         .         .         .         .         .         .
12054 210.  O       .         .         .         .         .         .         .         .         .         .         .
12100 211.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  O       .         .         .         .         .         .         .         .         .         .        X.
12112 213.  O       .         .         .         .         .         .         .         .         .         .         .
12118 214.  O       .         .         .         .         .         .         .         .         .         .         .
12124 215.  O       .         .         .         .         .         .         .         .         .         .         .
12130 216.  O       .         .         .         .         .         .         .         .         .         .         .
12136 217.  O       .         .         .         .         .         .         .         .         .         .         .
12142 218.  O       .         .         .         .         .         .         .         .         .         .         .
12148 219.  O       .         .         .         .         .         .         .         .         .         .         .
12154 220.  O       .         .         .         .         .         .         .         .         .         .         .
12200 221.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .X.
12206 222.  O       .         .         .         .         .         .         .         .         .         .         .
12212 223.  O       .         .         .         .         .         .         .         .         .         .         .
12218 224.  O       .         .         .         .         .         .         .         .         .         .         .
12224 225.  O       .         .         .         .         .         .         .         .         .         .         .
12230 226.  O       .         .         .         .         .         .         .         .         .         .         .
12236 227.  O       .         .         .         .         .         .         .         .         .         .         .
12242 228.  O       .         .         .         .         .         .         .         .         .         .         .
12248 229.  O       .         .         .         .         .         .         .         .         .         .         .
12254 230.  O       .         .         .         .         .         .         .         .         .         .         .
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12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O        .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O        .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O        .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O        .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O        .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O        .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O        .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O        .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O        .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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              *            *
142 KK        *   COMB4    *       COMBINE FLOWS FROM SUB A & SUB F
              *            *
              **************

144 KO              OUTPUT CONTROL VARIABLES
                          IPRNT          2   PRINT CONTROL
                          IPLOT          2   PLOT CONTROL
                          QSCAL         0.   HYDROGRAPH PLOT SCALE

145 HC              HYDROGRAPH COMBINATION
                          ICOMP          2   NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION COMB4
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	23.	1		1818	184	5.
1		0006	2	0.	1		0612	63	0.	1		1218	124	32.	1		1824	185	5.
1		0012	3	0.	1		0618	64	0.	1		1224	125	45.	1		1830	186	5.
1		0018	4	0.	1		0624	65	0.	1		1230	126	59.	1		1836	187	5.
1		0024	5	0.	1		0630	66	0.	1		1236	127	74.	1		1842	188	4.
1		0030	6	0.	1		0636	67	0.	1		1242	128	85.	1		1848	189	4.
1		0036	7	0.	1		0642	68	0.	1		1248	129	88.	1		1854	190	4.
1		0042	8	0.	1		0648	69	0.	1		1254	130	83.	1		1900	191	4.
1		0048	9	0.	1		0654	70	0.	1		1300	131	74.	1		1906	192	4.
1		0054	10	0.	1		0700	71	0.	1		1306	132	63.	1		1912	193	4.
1		0100	11	0.	1		0706	72	0.	1		1312	133	53.	1		1918	194	4.
1		0106	12	0.	1		0712	73	0.	1		1318	134	45.	1		1924	195	4.
1		0112	13	0.	1		0718	74	0.	1		1324	135	38.	1		1930	196	4.
1		0118	14	0.	1		0724	75	0.	1		1330	136	33.	1		1936	197	4.
1		0124	15	0.	1		0730	76	0.	1		1336	137	29.	1		1942	198	4.
1		0130	16	0.	1		0736	77	0.	1		1342	138	26.	1		1948	199	4.
1		0136	17	0.	1		0742	78	0.	1		1348	139	24.	1		1954	200	4.
1		0142	18	0.	1		0748	79	0.	1		1354	140	22.	1		2000	201	4.
1		0148	19	0.	1		0754	80	0.	1		1400	141	20.	1		2006	202	4.
1		0154	20	0.	1		0800	81	0.	1		1406	142	18.	1		2012	203	4.
1		0200	21	0.	1		0806	82	0.	1		1412	143	17.	1		2018	204	4.
1		0206	22	0.	1		0812	83	0.	1		1418	144	16.	1		2024	205	4.
1		0212	23	0.	1		0818	84	0.	1		1424	145	15.	1		2030	206	4.
1		0218	24	0.	1		0824	85	0.	1		1430	146	15.	1		2036	207	4.
1		0224	25	0.	1		0830	86	0.	1		1436	147	14.	1		2042	208	4.
1		0230	26	0.	1		0836	87	0.	1		1442	148	13.	1		2048	209	4.
1		0236	27	0.	1		0842	88	0.	1		1448	149	13.	1		2054	210	4.
1		0242	28	0.	1		0848	89	0.	1		1454	150	12.	1		2100	211	3.
1		0248	29	0.	1		0854	90	0.	1		1500	151	12.	1		2106	212	3.
1		0254	30	0.	1		0900	91	0.	1		1506	152	12.	1		2112	213	4.
1		0300	31	0.	1		0906	92	0.	1		1512	153	11.	1		2118	214	3.
1		0306	32	0.	1		0912	93	0.	1		1518	154	11.	1		2124	215	3.
1		0312	33	0.	1		0918	94	0.	1		1524	155	11.	1		2130	216	3.
1		0318	34	0.	1		0924	95	0.	1		1530	156	10.	1		2136	217	3.
1		0324	35	0.	1		0930	96	0.	1		1536	157	10.	1		2142	218	3.
1		0330	36	0.	1		0936	97	0.	1		1542	158	10.	1		2148	219	3.
1		0336	37	0.	1		0942	98	0.	1		1548	159	10.	1		2154	220	3.
1		0342	38	0.	1		0948	99	0.	1		1554	160	10.	1		2200	221	3.
1		0348	39	0.	1		0954	100	0.	1		1600	161	9.	1		2206	222	3.
1		0354	40	0.	1		1000	101	1.	1		1606	162	9.	1		2212	223	3.
1		0400	41	0.	1		1006	102	1.	1		1612	163	9.	1		2218	224	3.
1		0406	42	0.	1		1012	103	1.	1		1618	164	9.	1		2224	225	3.
1		0412	43	0.	1		1018	104	1.	1		1624	165	9.	1		2230	226	3.
1		0418	44	0.	1		1024	105	1.	1		1630	166	9.	1		2236	227	3.
1		0424	45	0.	1		1030	106	1.	1		1636	167	8.	1		2242	228	3.
1		0430	46	0.	1		1036	107	1.	1		1642	168	8.	1		2248	229	3.
1		0436	47	0.	1		1042	108	2.	1		1648	169	8.	1		2254	230	3.
1		0442	48	0.	1		1048	109	2.	1		1654	170	8.	1		2300	231	3.
1		0448	49	0.	1		1054	110	2.	1		1700	171	8.	1		2306	232	3.
1		0454	50	0.	1		1100	111	2.	1		1706	172	7.	1		2312	233	3.
1		0500	51	0.	1		1106	112	3.	1		1712	173	7.	1		2318	234	3.
1		0506	52	0.	1		1112	113	3.	1		1718	174	7.	1		2324	235	3.
1		0512	53	0.	1		1118	114	3.	1		1724	175	7.	1		2330	236	3.
1		0518	54	0.	1		1124	115	4.	1		1730	176	6.	1		2336	237	3.
1		0524	55	0.	1		1130	116	4.	1		1736	177	6.	1		2342	238	3.
1		0530	56	0.	1		1136	117	5.	1		1742	178	6.	1		2348	239	3.
1		0536	57	0.	1		1142	118	6.	1		1748	179	5.	1		2354	240	3.
1		0542	58	0.	1		1148	119	7.	1		1754	180	5.	2		0000	241	3.
1		0548	59	0.	1		1154	120	9.	1		1800	181	5.					
1		0554	60	0.	1		1200	121	11.	1		1806	182	5.					
1		0600	61	0.	1		1206	122	16.	1		1812	183	5.					

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   PEAK FLOW      TIME                              MAXIMUM AVERAGE FLOW
                                            6-HR        24-HR       72-HR       24.00-HR
+   (CFS)         (HR)
                              (CFS)
+       88.       12.80                     22.           7.          7.           7.
                              (INCHES)     1.571        1.892       1.892        1.892
                              (AC-FT)       11.          13.         13.          13.

                              CUMULATIVE AREA =      .13 SQ MI

1                                                    STATION     COMB4

                              (O) OUTFLOW
            0.        10.        20.        30.        40.        50.        60.        70.        80.        90.        0.        0.        0.
DAHRMN PER
 10000   10
 10006   20
 10012   30
 10018   40
 10024   50
 10030   60
 10036   70
 10042   80
 10048   90
 10054  100
 10100  110
 10106  120
 10112  130
 10118  140
 10124  150
 10130  160
 10136  170
 10142  180
 10148  190
 10154  200
 10200  210
 10206  220
 10212  230
 10218  240
 10224  250
 10230  260
 10236  270
 10242  280
 10248  290
 10254  300
 10300  310
 10306  320
 10312  330
 10318  340
 10324  350
 10330  360
 10336  370
 10342  380
 10348  390
 10354  400
 10400  410
 10406  420
 10412  430
 10418  440
 10424  450
 10430  460
 10436  470
 10442  480
 10448  490
 10454  500
 10500  510
 10506  520
 10512  530
 10518  540
 10524  550
 10530  560
 10536  570
 10542  580
 10548  590
 10554  600
 10600  610
 10606  620
 10612  630
 10618  640
 10624  650
 10630  660
 10636  670
 10642  680
 10648  690
 10654  700
 10700  710
 10706  720
 10712  730
 10718  740
 10724  750
 10730  760
 10736  770
 10742  780
 10748  790
 10754  800
 10800  810
 10806  820
 10812  830
 10818  840
 10824  850
 10830  860
 10836  870
 10842  880
 10848  890
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10854  900
10900  910
10906  920
10912  930
10918  940
10924  950
10930  960
10936  970
10942  980
10948  990
10954 1000
11000 1010
11006 102.
11012 103.
11018 104.
11024 105.
11030 106.
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
11748 179.
11754 180.
11800 181.
11806 182.
11812 183.
11818 184.
11824 185.
11830 186.
11836 187.
11842 188.
11848 189.
11854 190.
11900 191.
11906 192.
11912 193.
11918 194.
11924 195.
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11930 196.   O     .         .         .         .         .         .         .         .         .         .         .
11936 197.   O     .         .         .         .         .         .         .         .         .         .         .
11942 198.   O     .         .         .         .         .         .         .         .         .         .         .
11948 199.   O     .         .         .         .         .         .         .         .         .         .         .
11954 200.   O     .         .         .         .         .         .         .         .         .         .         .
12000 201. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.   O     .         .         .         .         .         .         .         .         .         .         .
12012 203.   O     .         .         .         .         .         .         .         .         .         .         .
12018 204.   O     .         .         .         .         .         .         .         .         .         .         .
12024 205.   O     .         .         .         .         .         .         .         .         .         .         .
12030 206.   O     .         .         .         .         .         .         .         .         .         .         .
12036 207.   O     .         .         .         .         .         .         .         .         .         .         .
12042 208.   O     .         .         .         .         .         .         .         .         .         .         .
12048 209.   O     .         .         .         .         .         .         .         .         .         .         .
12054 210.   O     .         .         .         .         .         .         .         .         .         .         .
12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  O      .         .         .         .         .         .         .         .         .         .         .
12112 213.    O    .         .         .         .         .         .         .         .         .         .         .
12118 214.  O      .         .         .         .         .         .         .         .         .         .         .
12124 215.  O      .         .         .         .         .         .         .         .         .         .         .
12130 216.  O      .         .         .         .         .         .         .         .         .         .         .
12136 217.  O      .         .         .         .         .         .         .         .         .         .         .
12142 218.  O      .         .         .         .         .         .         .         .         .         .         .
12148 219.  O      .         .         .         .         .         .         .         .         .         .         .
12154 220.  O      .         .         .         .         .         .         .         .         .         .         .
12200 221. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.  O      .         .         .         .         .         .         .         .         .         .         .
12212 223.  O      .         .         .         .         .         .         .         .         .         .         .
12218 224.  O      .         .         .         .         .         .         .         .         .         .         .
12224 225.  O      .         .         .         .         .         .         .         .         .         .         .
12230 226.  O      .         .         .         .         .         .         .         .         .         .         .
12236 227.  O      .         .         .         .         .         .         .         .         .         .         .
12242 228.  O      .         .         .         .         .         .         .         .         .         .         .
12248 229.  O      .         .         .         .         .         .         .         .         .         .         .
12254 230.  O      .         .         .         .         .         .         .         .         .         .         .
12300 231. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  O      .         .         .         .         .         .         .         .         .         .         .
12312 233.  O      .         .         .         .         .         .         .         .         .         .         .
12318 234.  O      .         .         .         .         .         .         .         .         .         .         .
12324 235.  O      .         .         .         .         .         .         .         .         .         .         .
12330 236.  O      .         .         .         .         .         .         .         .         .         .         .
12336 237.  O      .         .         .         .         .         .         .         .         .         .         .
12342 238.  O      .         .         .         .         .         .         .         .         .         .         .
12348 239.  O      .         .         .         .         .         .         .         .         .         .         .
12354 240.  O      .         .         .         .         .         .         .         .         .         .         .
20000 241.--O------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB4
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .63

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DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	*	1		0606	62	0.	*	1		1212	123	33.	*	1		1818	184	6.
1		0006	2	0.	*	1		0612	63	0.	*	1		1218	124	45.	*	1		1824	185	6.
1		0012	3	0.	*	1		0618	64	0.	*	1		1224	125	60.	*	1		1830	186	6.
1		0018	4	0.	*	1		0624	65	0.	*	1		1230	126	79.	*	1		1836	187	6.
1		0024	5	0.	*	1		0630	66	0.	*	1		1236	127	98.	*	1		1842	188	6.
1		0030	6	0.	*	1		0636	67	0.	*	1		1242	128	110.	*	1		1848	189	5.
1		0036	7	0.	*	1		0642	68	0.	*	1		1248	129	113.	*	1		1854	190	5.
1		0042	8	0.	*	1		0648	69	0.	*	1		1254	130	107.	*	1		1900	191	5.
1		0048	9	0.	*	1		0654	70	0.	*	1		1300	131	95.	*	1		1906	192	5.
1		0054	10	0.	*	1		0700	71	0.	*	1		1306	132	80.	*	1		1912	193	5.
1		0100	11	0.	*	1		0706	72	0.	*	1		1312	133	67.	*	1		1918	194	5.
1		0106	12	0.	*	1		0712	73	0.	*	1		1318	134	57.	*	1		1924	195	5.
1		0112	13	0.	*	1		0718	74	0.	*	1		1324	135	48.	*	1		1930	196	5.
1		0118	14	0.	*	1		0724	75	0.	*	1		1330	136	42.	*	1		1936	197	5.
1		0124	15	0.	*	1		0730	76	0.	*	1		1336	137	37.	*	1		1942	198	5.
1		0130	16	0.	*	1		0736	77	0.	*	1		1342	138	33.	*	1		1948	199	5.
1		0136	17	0.	*	1		0742	78	0.	*	1		1348	139	30.	*	1		1954	200	5.
1		0142	18	0.	*	1		0748	79	0.	*	1		1354	140	27.	*	1		2000	201	5.
1		0148	19	0.	*	1		0754	80	0.	*	1		1400	141	25.	*	1		2006	202	5.
1		0154	20	0.	*	1		0800	81	0.	*	1		1406	142	23.	*	1		2012	203	5.
1		0200	21	0.	*	1		0806	82	0.	*	1		1412	143	21.	*	1		2018	204	5.
1		0206	22	0.	*	1		0812	83	0.	*	1		1418	144	20.	*	1		2024	205	5.
1		0212	23	0.	*	1		0818	84	0.	*	1		1424	145	19.	*	1		2030	206	4.
1		0218	24	0.	*	1		0824	85	0.	*	1		1430	146	18.	*	1		2036	207	4.
1		0224	25	0.	*	1		0830	86	0.	*	1		1436	147	17.	*	1		2042	208	4.
1		0230	26	0.	*	1		0836	87	0.	*	1		1442	148	17.	*	1		2048	209	4.
1		0236	27	0.	*	1		0842	88	0.	*	1		1448	149	16.	*	1		2054	210	4.
1		0242	28	0.	*	1		0848	89	0.	*	1		1454	150	15.	*	1		2100	211	4.
1		0248	29	0.	*	1		0854	90	0.	*	1		1500	151	15.	*	1		2106	212	4.
1		0254	30	0.	*	1		0900	91	0.	*	1		1506	152	15.	*	1		2112	213	4.
1		0300	31	0.	*	1		0906	92	0.	*	1		1512	153	14.	*	1		2118	214	4.
1		0306	32	0.	*	1		0912	93	0.	*	1		1518	154	14.	*	1		2124	215	4.
1		0312	33	0.	*	1		0918	94	0.	*	1		1524	155	13.	*	1		2130	216	4.
1		0318	34	0.	*	1		0924	95	1.	*	1		1530	156	13.	*	1		2136	217	4.
1		0324	35	0.	*	1		0930	96	1.	*	1		1536	157	13.	*	1		2142	218	4.
1		0330	36	0.	*	1		0936	97	1.	*	1		1542	158	12.	*	1		2148	219	4.
1		0336	37	0.	*	1		0942	98	1.	*	1		1548	159	12.	*	1		2154	220	4.
1		0342	38	0.	*	1		0948	99	1.	*	1		1554	160	12.	*	1		2200	221	4.
1		0348	39	0.	*	1		0954	100	1.	*	1		1600	161	12.	*	1		2206	222	4.
1		0354	40	0.	*	1		1000	101	1.	*	1		1606	162	11.	*	1		2212	223	4.
1		0400	41	0.	*	1		1006	102	2.	*	1		1612	163	11.	*	1		2218	224	4.
1		0406	42	0.	*	1		1012	103	2.	*	1		1618	164	11.	*	1		2224	225	4.
1		0412	43	0.	*	1		1018	104	2.	*	1		1624	165	11.	*	1		2230	226	4.
1		0418	44	0.	*	1		1024	105	2.	*	1		1630	166	11.	*	1		2236	227	4.
1		0424	45	0.	*	1		1030	106	2.	*	1		1636	167	10.	*	1		2242	228	4.
1		0430	46	0.	*	1		1036	107	3.	*	1		1642	168	10.	*	1		2248	229	4.
1		0436	47	0.	*	1		1042	108	3.	*	1		1648	169	10.	*	1		2254	230	4.
1		0442	48	0.	*	1		1048	109	3.	*	1		1654	170	10.	*	1		2300	231	4.

1	0448	49	0.	*	1	1054	110	4.	*	1	1700	171	10.	*	1	2306	232	4.
1	0454	50	0.	*	1	1100	111	4.	*	1	1706	172	9.	*	1	2312	233	4.
1	0500	51	0.	*	1	1106	112	5.	*	1	1712	173	9.	*	1	2318	234	4.
1	0506	52	0.	*	1	1112	113	5.	*	1	1718	174	9.	*	1	2324	235	4.
1	0512	53	0.	*	1	1118	114	6.	*	1	1724	175	8.	*	1	2330	236	3.
1	0518	54	0.	*	1	1124	115	6.	*	1	1730	176	8.	*	1	2336	237	3.
1	0524	55	0.	*	1	1130	116	7.	*	1	1736	177	7.	*	1	2342	238	3.
1	0530	56	0.	*	1	1136	117	8.	*	1	1742	178	7.	*	1	2348	239	3.
1	0536	57	0.	*	1	1142	118	9.	*	1	1748	179	7.	*	1	2354	240	3.
1	0542	58	0.	*	1	1148	119	11.	*	1	1754	180	6.	*	2	0000	241	3.
1	0548	59	0.	*	1	1154	120	13.	*	1	1800	181	6.	*				
1	0554	60	0.	*	1	1200	121	17.	*	1	1806	182	6.	*				
1	0600	61	0.	*	1	1206	122	24.	*	1	1812	183	6.	*				
				*					*					*				

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   PEAK FLOW      TIME                             MAXIMUM AVERAGE FLOW
                                          6-HR        24-HR        72-HR        24.00-HR
+   (CFS)         (HR)
                              (CFS)
+     113.        12.80                     29.          9.           9.            9.
                              (INCHES)    2.019        2.441        2.441         2.441
                              (AC-FT)       14.          17.          17.           17.

                              CUMULATIVE AREA =     .13 SQ MI

1                                                           STATION     COMB4

                             (O) OUTFLOW
              0.        20.        40.        60.        80.       100.       120.        0.        0.        0.        0.        0.        0.
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .         .
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .         .
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .         .
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .         .
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .         .
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .         .
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .         .
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .         .
 10530  560         .         .         .         .         .         .         .         .         .         .         .         .
 10536  570         .         .         .         .         .         .         .         .         .         .         .         .
 10542  580         .         .         .         .         .         .         .         .         .         .         .         .
 10548  590         .         .         .         .         .         .         .         .         .         .         .         .
 10554  600         .         .         .         .         .         .         .         .         .         .         .         .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606  620         .         .         .         .         .         .         .         .         .         .         .         .
 10612  630         .         .         .         .         .         .         .         .         .         .         .         .
 10618  640         .         .         .         .         .         .         .         .         .         .         .         .
 10624  650         .         .         .         .         .         .         .         .         .         .         .         .
 10630  660         .         .         .         .         .         .         .         .         .         .         .         .
 10636  670         .         .         .         .         .         .         .         .         .         .         .         .
 10642  680         .         .         .         .         .         .         .         .         .         .         .         .
 10648  690         .         .         .         .         .         .         .         .         .         .         .         .
 10654  700         .         .         .         .         .         .         .         .         .         .         .         .
 10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10706  720         .         .         .         .         .         .         .         .         .         .         .         .
 10712  730         .         .         .         .         .         .         .         .         .         .         .         .
 10718  740         .         .         .         .         .         .         .         .         .         .         .         .
 10724  750         .         .         .         .         .         .         .         .         .         .         .         .
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10730  760         .         .         .         .         .         .         .         .         .         .         .         .
10736  770         .         .         .         .         .         .         .         .         .         .         .         .
10742  780         .         .         .         .         .         .         .         .         .         .         .         .
10748  790         .         .         .         .         .         .         .         .         .         .         .         .
10754  800         .         .         .         .         .         .         .         .         .         .         .         .
10800  810 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10806  820         .         .         .         .         .         .         .         .         .         .         .         .
10812  830         .         .         .         .         .         .         .         .         .         .         .         .
10818  840         .         .         .         .         .         .         .         .         .         .         .         .
10824  850         .         .         .         .         .         .         .         .         .         .         .         .
10830  860         .         .         .         .         .         .         .         .         .         .         .         .
10836  870         .         .         .         .         .         .         .         .         .         .         .         .
10842  880         .         .         .         .         .         .         .         .         .         .         .         .
10848  890         .         .         .         .         .         .         .         .         .         .         .         .
10854  900         .         .         .         .         .         .         .         .         .         .         .         .
10900  910 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
10906  920         .         .         .         .         .         .         .         .         .         .         .         .
10912  930         .         .         .         .         .         .         .         .         .         .         .         .
10918  940         .         .         .         .         .         .         .         .         .         .         .         .
10924  950         .         .         .         .         .         .         .         .         .         .         .         .
10930  960         .         .         .         .         .         .         .         .         .         .         .         .
10936  970         .         .         .         .         .         .         .         .         .         .         .         .
10942  980         .         .         .         .         .         .         .         .         .         .         .         .
10948  99.0        .         .         .         .         .         .         .         .         .         .         .         .
10954 100.0        .         .         .         .         .         .         .         .         .         .         .         .
11000 101.0. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11006 102.0        .         .         .         .         .         .         .         .         .         .         .         .
11012 103.0        .         .         .         .         .         .         .         .         .         .         .         .
11018 104.0        .         .         .         .         .         .         .         .         .         .         .         .
11024 105.0        .         .         .         .         .         .         .         .         .         .         .         .
11030 106.0        .         .         .         .         .         .         .         .         .         .         .         .
11036 107.0        .         .         .         .         .         .         .         .         .         .         .         .
11042 108. O       .         .         .         .         .         .         .         .         .         .         .         .
11048 109. O       .         .         .         .         .         .         .         .         .         .         .         .
11054 110. O       .         .         .         .         .         .         .         .         .         .         .         .
11100 111. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11106 112. O       .         .         .         .         .         .         .         .         .         .         .         .
11112 113.  O      .         .         .         .         .         .         .         .         .         .         .         .
11118 114.  O      .         .         .         .         .         .         .         .         .         .         .         .
11124 115.  O      .         .         .         .         .         .         .         .         .         .         .         .
11130 116.   O     .         .         .         .         .         .         .         .         .         .         .         .
11136 117.   O     .         .         .         .         .         .         .         .         .         .         .         .
11142 118.    O    .         .         .         .         .         .         .         .         .         .         .         .
11148 119.    O    .         .         .         .         .         .         .         .         .         .         .         .
11154 120.      O  .         .         .         .         .         .         .         .         .         .         .         .
11200 121. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11206 122.         . O       .         .         .         .         .         .         .         .         .         .         .
11212 123.         .      O  .         .         .         .         .         .         .         .         .         .         .
11218 124.         .         .  O      .         .         .         .         .         .         .         .         .         .
11224 125.         .         .         O         .         .         .         .         .         .         .         .         .
11230 126.         .         .         .         O         .         .         .         .         .         .         .         .
11236 127.         .         .         .         .        O.         .         .         .         .         .         .         .
11242 128.         .         .         .         .         .    O    .         .         .         .         .         .         .
11248 129.         .         .         .         .         .      O  .         .         .         .         .         .         .
11254 130.         .         .         .         .         .   O     .         .         .         .         .         .         .
11300 131. . . . . . . . . . . . . . . . . . . . . . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11306 132.         .         .         .         O         .         .         .         .         .         .         .         .
11312 133.         .         .         .   O     .         .         .         .         .         .         .         .
11318 134.         .         .       O .         .         .         .         .         .         .         .         .
11324 135.         .         .   O     .         .         .         .         .         .         .         .         .
11330 136.         .         .O        .         .         .         .         .         .         .         .         .
11336 137.         .       O .         .         .         .         .         .         .         .         .         .
11342 138.         .     O   .         .         .         .         .         .         .         .         .         .
11348 139.         .    O    .         .         .         .         .         .         .         .         .         .
11354 140.         .  O      .         .         .         .         .         .         .         .         .         .
11400 141. . . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.         .O        .         .         .         .         .         .         .         .         .         .         .
11412 143.         .O        .         .         .         .         .         .         .         .         .         .         .
11418 144.         O         .         .         .         .         .         .         .         .         .         .         .
11424 145.         O         .         .         .         .         .         .         .         .         .         .         .
11430 146.        O.         .         .         .         .         .         .         .         .         .         .         .
11436 147.        O.         .         .         .         .         .         .         .         .         .         .         .
11442 148.       O .         .         .         .         .         .         .         .         .         .         .         .
11448 149.       O .         .         .         .         .         .         .         .         .         .         .         .
11454 150.       O .         .         .         .         .         .         .         .         .         .         .         .
11500 151. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.      O  .         .         .         .         .         .         .         .         .         .         .         .
11512 153.      O  .         .         .         .         .         .         .         .         .         .         .         .
11518 154.      O  .         .         .         .         .         .         .         .         .         .         .         .
11524 155.      O  .         .         .         .         .         .         .         .         .         .         .         .
11530 156.     O   .         .         .         .         .         .         .         .         .         .         .         .
11536 157.     O   .         .         .         .         .         .         .         .         .         .         .         .
11542 158.     O   .         .         .         .         .         .         .         .         .         .         .         .
11548 159.     O   .         .         .         .         .         .         .         .         .         .         .         .
11554 160.     O   .         .         .         .         .         .         .         .         .         .         .         .
11600 161. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.     O   .         .         .         .         .         .         .         .         .         .         .         .
11612 163.     O   .         .         .         .         .         .         .         .         .         .         .         .
11618 164.    O    .         .         .         .         .         .         .         .         .         .         .         .
11624 165.    O    .         .         .         .         .         .         .         .         .         .         .         .
11630 166.    O    .         .         .         .         .         .         .         .         .         .         .         .
11636 167.    O    .         .         .         .         .         .         .         .         .         .         .         .
11642 168.    O    .         .         .         .         .         .         .         .         .         .         .         .
11648 169.    O    .         .         .         .         .         .         .         .         .         .         .         .
11654 170.    O    .         .         .         .         .         .         .         .         .         .         .         .
11700 171. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.    O    .         .         .         .         .         .         .         .         .         .         .         .
11712 173.   O     .         .         .         .         .         .         .         .         .         .         .         .
11718 174.   O     .         .         .         .         .         .         .         .         .         .         .         .
11724 175.   O     .         .         .         .         .         .         .         .         .         .         .         .
11730 176.   O     .         .         .         .         .         .         .         .         .         .         .         .
11736 177.   O     .         .         .         .         .         .         .         .         .         .         .         .
11742 178.  O      .         .         .         .         .         .         .         .         .         .         .         .
11748 179.  O      .         .         .         .         .         .         .         .         .         .         .         .
11754 180.  O      .         .         .         .         .         .         .         .         .         .         .         .
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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11806 182.  O   .         .         .         .         .         .         .         .         .         .         .         .
11812 183.  O   .         .         .         .         .         .         .         .         .         .         .         .
11818 184.  O   .         .         .         .         .         .         .         .         .         .         .         .
11824 185.  O   .         .         .         .         .         .         .         .         .         .         .         .
11830 186.  O   .         .         .         .         .         .         .         .         .         .         .         .
11836 187.  O   .         .         .         .         .         .         .         .         .         .         .         .
11842 188.  O   .         .         .         .         .         .         .         .         .         .         .         .
11848 189.  O   .         .         .         .         .         .         .         .         .         .         .         .
11854 190.  O   .         .         .         .         .         .         .         .         .         .         .         .
11900 191. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.  O   .         .         .         .         .         .         .         .         .         .         .         .
11912 193.  O   .         .         .         .         .         .         .         .         .         .         .         .
11918 194.  O   .         .         .         .         .         .         .         .         .         .         .         .
11924 195.  O   .         .         .         .         .         .         .         .         .         .         .         .
11930 196.  O   .         .         .         .         .         .         .         .         .         .         .         .
11936 197. O    .         .         .         .         .         .         .         .         .         .         .         .
11942 198. O    .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O    .         .         .         .         .         .         .         .         .         .         .         .
11954 200. O    .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O    .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O    .         .         .         .         .         .         .         .         .         .         .         .
12018 204. O    .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O    .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O    .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O    .         .         .         .         .         .         .         .         .         .         .         .
12042 208. O    .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O    .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O    .         .         .         .         .         .         .         .         .         .         .         .
12100 211. O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O    .         .         .         .         .         .         .         .         .         .         .         .
12112 213. O    .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O    .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O    .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O    .         .         .         .         .         .         .         .         .         .         .         .
12136 217. O    .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O    .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O    .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O    .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222. O    .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O    .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O    .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O    .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O    .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O    .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O    .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O    .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O    .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O    .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O    .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O    .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O    .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O    .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O    .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O    .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O    .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O    .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB4
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .76

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DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW
1 0000	1	0.	*	1 0606	62	0.	*	1 1212	123	50.	*	1 1818	184	8.
1 0006	2	0.	*	1 0612	63	0.	*	1 1218	124	66.	*	1 1824	185	7.
1 0012	3	0.	*	1 0618	64	0.	*	1 1224	125	87.	*	1 1830	186	7.
1 0018	4	0.	*	1 0624	65	0.	*	1 1230	126	112.	*	1 1836	187	7.
1 0024	5	0.	*	1 0630	66	0.	*	1 1236	127	136.	*	1 1842	188	7.
1 0030	6	0.	*	1 0636	67	0.	*	1 1242	128	152.	*	1 1848	189	7.
1 0036	7	0.	*	1 0642	68	0.	*	1 1248	129	155.	*	1 1854	190	7.
1 0042	8	0.	*	1 0648	69	0.	*	1 1254	130	145.	*	1 1900	191	7.
1 0048	9	0.	*	1 0654	70	0.	*	1 1300	131	128.	*	1 1906	192	7.
1 0054	10	0.	*	1 0700	71	0.	*	1 1306	132	108.	*	1 1912	193	7.
1 0100	11	0.	*	1 0706	72	0.	*	1 1312	133	90.	*	1 1918	194	7.
1 0106	12	0.	*	1 0712	73	0.	*	1 1318	134	76.	*	1 1924	195	7.
1 0112	13	0.	*	1 0718	74	0.	*	1 1324	135	65.	*	1 1930	196	7.
1 0118	14	0.	*	1 0724	75	0.	*	1 1330	136	56.	*	1 1936	197	6.
1 0124	15	0.	*	1 0730	76	0.	*	1 1336	137	49.	*	1 1942	198	6.
1 0130	16	0.	*	1 0736	77	0.	*	1 1342	138	43.	*	1 1948	199	6.
1 0136	17	0.	*	1 0742	78	0.	*	1 1348	139	39.	*	1 1954	200	6.
1 0142	18	0.	*	1 0748	79	0.	*	1 1354	140	36.	*	1 2000	201	6.
1 0148	19	0.	*	1 0754	80	0.	*	1 1400	141	33.	*	1 2006	202	6.
1 0154	20	0.	*	1 0800	81	0.	*	1 1406	142	30.	*	1 2012	203	6.
1 0200	21	0.	*	1 0806	82	0.	*	1 1412	143	28.	*	1 2018	204	6.
1 0206	22	0.	*	1 0812	83	0.	*	1 1418	144	26.	*	1 2024	205	6.
1 0212	23	0.	*	1 0818	84	0.	*	1 1424	145	25.	*	1 2030	206	6.
1 0218	24	0.	*	1 0824	85	0.	*	1 1430	146	24.	*	1 2036	207	6.
1 0224	25	0.	*	1 0830	86	0.	*	1 1436	147	23.	*	1 2042	208	6.
1 0230	26	0.	*	1 0836	87	1.	*	1 1442	148	22.	*	1 2048	209	6.
1 0236	27	0.	*	1 0842	88	1.	*	1 1448	149	21.	*	1 2054	210	6.
1 0242	28	0.	*	1 0848	89	1.	*	1 1454	150	20.	*	1 2100	211	5.
1 0248	29	0.	*	1 0854	90	1.	*	1 1500	151	20.	*	1 2106	212	6.
1 0254	30	0.	*	1 0900	91	1.	*	1 1506	152	19.	*	1 2112	213	6.
1 0300	31	0.	*	1 0906	92	1.	*	1 1512	153	18.	*	1 2118	214	5.
1 0306	32	0.	*	1 0912	93	1.	*	1 1518	154	18.	*	1 2124	215	5.
1 0312	33	0.	*	1 0918	94	2.	*	1 1524	155	17.	*	1 2130	216	5.
1 0318	34	0.	*	1 0924	95	2.	*	1 1530	156	17.	*	1 2136	217	5.

1	0324	35	0.	*	1	0930	96	2.	*	1	1536	157	16.	*	1	2142	218	5.
1	0330	36	0.	*	1	0936	97	2.	*	1	1542	158	16.	*	1	2148	219	5.
1	0336	37	0.	*	1	0942	98	2.	*	1	1548	159	16.	*	1	2154	220	5.
1	0342	38	0.	*	1	0948	99	3.	*	1	1554	160	15.	*	1	2200	221	5.
1	0348	39	0.	*	1	0954	100	3.	*	1	1600	161	15.	*	1	2206	222	5.
1	0354	40	0.	*	1	1000	101	3.	*	1	1606	162	15.	*	1	2212	223	5.
1	0400	41	0.	*	1	1006	102	4.	*	1	1612	163	15.	*	1	2218	224	5.
1	0406	42	0.	*	1	1012	103	4.	*	1	1618	164	14.	*	1	2224	225	5.
1	0412	43	0.	*	1	1018	104	4.	*	1	1624	165	14.	*	1	2230	226	5.
1	0418	44	0.	*	1	1024	105	5.	*	1	1630	166	14.	*	1	2236	227	5.
1	0424	45	0.	*	1	1030	106	5.	*	1	1636	167	13.	*	1	2242	228	5.
1	0430	46	0.	*	1	1036	107	5.	*	1	1642	168	13.	*	1	2248	229	5.
1	0436	47	0.	*	1	1042	108	6.	*	1	1648	169	13.	*	1	2254	230	5.
1	0442	48	0.	*	1	1048	109	6.	*	1	1654	170	13.	*	1	2300	231	5.
1	0448	49	0.	*	1	1054	110	7.	*	1	1700	171	12.	*	1	2306	232	5.
1	0454	50	0.	*	1	1100	111	8.	*	1	1706	172	12.	*	1	2312	233	5.
1	0500	51	0.	*	1	1106	112	8.	*	1	1712	173	12.	*	1	2318	234	5.
1	0506	52	0.	*	1	1112	113	9.	*	1	1718	174	11.	*	1	2324	235	5.
1	0512	53	0.	*	1	1118	114	10.	*	1	1724	175	11.	*	1	2330	236	4.
1	0518	54	0.	*	1	1124	115	11.	*	1	1730	176	10.	*	1	2336	237	4.
1	0524	55	0.	*	1	1130	116	12.	*	1	1736	177	9.	*	1	2342	238	4.
1	0530	56	0.	*	1	1136	117	13.	*	1	1742	178	9.	*	1	2348	239	4.
1	0536	57	0.	*	1	1142	118	15.	*	1	1748	179	9.	*	1	2354	240	4.
1	0542	58	0.	*	1	1148	119	17.	*	1	1754	180	8.	*	2	0000	241	4.
1	0548	59	0.	*	1	1154	120	21.	*	1	1800	181	8.	*				
1	0554	60	0.	*	1	1200	121	27.	*	1	1806	182	8.	*				
1	0600	61	0.	*	1	1206	122	37.	*	1	1812	183	8.	*				

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  PEAK FLOW     TIME                                MAXIMUM AVERAGE FLOW
                                          6-HR          24-HR        72-HR        24.00-HR
+   (CFS)       (HR)
                           (CFS)
+    155.      12.80                       39.           12.          12.           12.
                           (INCHES)      2.752         3.349        3.349         3.349
                           (AC-FT)         19.           24.          24.           24.

                           CUMULATIVE AREA =       .13 SQ MI

1                                                     STATION     COMB4

                              (O) OUTFLOW
             0.       20.       40.       60.       80.      100.      120.      140.      160.        0.        0.        0.        0.
  DAHRMN PER
  10000   1O---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
  10006   2O         .         .         .         .         .         .         .         .         .         .         .         .
  10012   3O         .         .         .         .         .         .         .         .         .         .         .         .
  10018   4O         .         .         .         .         .         .         .         .         .         .         .         .
  10024   5O         .         .         .         .         .         .         .         .         .         .         .         .
  10030   6O         .         .         .         .         .         .         .         .         .         .         .         .
  10036   7O         .         .         .         .         .         .         .         .         .         .         .         .
  10042   8O         .         .         .         .         .         .         .         .         .         .         .         .
  10048   9O         .         .         .         .         .         .         .         .         .         .         .         .
  10054  10O         .         .         .         .         .         .         .         .         .         .         .         .
  10100  11O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10106  12O         .         .         .         .         .         .         .         .         .         .         .         .
  10112  13O         .         .         .         .         .         .         .         .         .         .         .         .
  10118  14O         .         .         .         .         .         .         .         .         .         .         .         .
  10124  15O         .         .         .         .         .         .         .         .         .         .         .         .
  10130  16O         .         .         .         .         .         .         .         .         .         .         .         .
  10136  17O         .         .         .         .         .         .         .         .         .         .         .         .
  10142  18O         .         .         .         .         .         .         .         .         .         .         .         .
  10148  19O         .         .         .         .         .         .         .         .         .         .         .         .
  10154  20O         .         .         .         .         .         .         .         .         .         .         .         .
  10200  21O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10206  22O         .         .         .         .         .         .         .         .         .         .         .         .
  10212  23O         .         .         .         .         .         .         .         .         .         .         .         .
  10218  24O         .         .         .         .         .         .         .         .         .         .         .         .
  10224  25O         .         .         .         .         .         .         .         .         .         .         .         .
  10230  26O         .         .         .         .         .         .         .         .         .         .         .         .
  10236  27O         .         .         .         .         .         .         .         .         .         .         .         .
  10242  28O         .         .         .         .         .         .         .         .         .         .         .         .
  10248  29O         .         .         .         .         .         .         .         .         .         .         .         .
  10254  30O         .         .         .         .         .         .         .         .         .         .         .         .
  10300  31O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10306  32O         .         .         .         .         .         .         .         .         .         .         .         .
  10312  33O         .         .         .         .         .         .         .         .         .         .         .         .
  10318  34O         .         .         .         .         .         .         .         .         .         .         .         .
  10324  35O         .         .         .         .         .         .         .         .         .         .         .         .
  10330  36O         .         .         .         .         .         .         .         .         .         .         .         .
  10336  37O         .         .         .         .         .         .         .         .         .         .         .         .
  10342  38O         .         .         .         .         .         .         .         .         .         .         .         .
  10348  39O         .         .         .         .         .         .         .         .         .         .         .         .
  10354  40O         .         .         .         .         .         .         .         .         .         .         .         .
  10400  41O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10406  42O         .         .         .         .         .         .         .         .         .         .         .         .
  10412  43O         .         .         .         .         .         .         .         .         .         .         .         .
  10418  44O         .         .         .         .         .         .         .         .         .         .         .         .
  10424  45O         .         .         .         .         .         .         .         .         .         .         .         .
  10430  46O         .         .         .         .         .         .         .         .         .         .         .         .
  10436  47O         .         .         .         .         .         .         .         .         .         .         .         .
  10442  48O         .         .         .         .         .         .         .         .         .         .         .         .
  10448  49O         .         .         .         .         .         .         .         .         .         .         .         .
  10454  50O         .         .         .         .         .         .         .         .         .         .         .         .
  10500  51O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10506  52O         .         .         .         .         .         .         .         .         .         .         .         .
  10512  53O         .         .         .         .         .         .         .         .         .         .         .         .
  10518  54O         .         .         .         .         .         .         .         .         .         .         .         .
  10524  55O         .         .         .         .         .         .         .         .         .         .         .         .
  10530  56O         .         .         .         .         .         .         .         .         .         .         .         .
  10536  57O         .         .         .         .         .         .         .         .         .         .         .         .
  10542  58O         .         .         .         .         .         .         .         .         .         .         .         .
  10548  59O         .         .         .         .         .         .         .         .         .         .         .         .
  10554  60O         .         .         .         .         .         .         .         .         .         .         .         .
  10600  61O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
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10606  620
10612  630
10618  640
10624  650
10630  660
10636  670
10642  680
10648  690
10654  700
10700  710
10706  720
10712  730
10718  740
10724  750
10730  760
10736  770
10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  850
10830  860
10836  870
10842  880
10848  890
10854  900
10900  91.
10906  92.
10912  93.
10918  94.
10924  95.
10930  96.
10936  97.
10942  98.
10948  99.
10954 100.
11000 101.
11006 102.
11012 103.
11018 104.
11024 105.
11030 106.
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
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11642 168.        O  .         .         .         .         .         .         .         .         .         .         .         .
11648 169.        O  .         .         .         .         .         .         .         .         .         .         .         .
11654 170.       O   .         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.       O   .         .         .         .         .         .         .         .         .         .         .         .
11712 173.       O   .         .         .         .         .         .         .         .         .         .         .         .
11718 174.       O   .         .         .         .         .         .         .         .         .         .         .         .
11724 175.      O    .         .         .         .         .         .         .         .         .         .         .         .
11730 176.      O    .         .         .         .         .         .         .         .         .         .         .         .
11736 177.      O    .         .         .         .         .         .         .         .         .         .         .         .
11742 178.     O     .         .         .         .         .         .         .         .         .         .         .         .
11748 179.     O     .         .         .         .         .         .         .         .         .         .         .         .
11754 180.     O     .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.     O     .         .         .         .         .         .         .         .         .         .         .         .
11812 183.     O     .         .         .         .         .         .         .         .         .         .         .         .
11818 184.     O     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.     O     .         .         .         .         .         .         .         .         .         .         .         .
11830 186.     O     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.     O     .         .         .         .         .         .         .         .         .         .         .         .
11842 188.     O     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.    O      .         .         .         .         .         .         .         .         .         .         .         .
11854 190.    O      .         .         .         .         .         .         .         .         .         .         .         .
11900 191. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.    O      .         .         .         .         .         .         .         .         .         .         .         .
11912 193.    O      .         .         .         .         .         .         .         .         .         .         .         .
11918 194.    O      .         .         .         .         .         .         .         .         .         .         .         .
11924 195.    O      .         .         .         .         .         .         .         .         .         .         .         .
11930 196.    O      .         .         .         .         .         .         .         .         .         .         .         .
11936 197.    O      .         .         .         .         .         .         .         .         .         .         .         .
11942 198.    O      .         .         .         .         .         .         .         .         .         .         .         .
11948 199.    O      .         .         .         .         .         .         .         .         .         .         .         .
11954 200.    O      .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.    O      .         .         .         .         .         .         .         .         .         .         .         .
12012 203.    O      .         .         .         .         .         .         .         .         .         .         .         .
12018 204.    O      .         .         .         .         .         .         .         .         .         .         .         .
12024 205.    O      .         .         .         .         .         .         .         .         .         .         .         .
12030 206.    O      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.    O      .         .         .         .         .         .         .         .         .         .         .         .
12042 208.    O      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.    O      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.    O      .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.    O      .         .         .         .         .         .         .         .         .         .         .         .
12112 213.    O      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.    O      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.    O      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.    O      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.    O      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.    O      .         .         .         .         .         .         .         .         .         .         .         .
12148 219.    O      .         .         .         .         .         .         .         .         .         .         .         .
12154 220.    O      .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222. O         .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O         .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O         .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O         .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O         .         .         .         .         .         .         .         .         .         .         .         .
12236 227.  O        .         .         .         .         .         .         .         .         .         .         .         .
12242 228.  O        .         .         .         .         .         .         .         .         .         .         .         .
12248 229.  O        .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O         .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O         .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O         .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O         .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O         .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O         .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O         .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O         .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O         .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB4
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .88

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DA MON	HRMN	ORD	FLOW	*	DA MON	HRMN	ORD	FLOW	*	DA MON	HRMN	ORD	FLOW	*	DA MON	HRMN	ORD	FLOW
1	0000	1	0.	*	1	0606	62	0.	*	1	1212	123	64.	*	1	1818	184	9.
1	0006	2	0.	*	1	0612	63	0.	*	1	1218	124	85.	*	1	1824	185	9.
1	0012	3	0.	*	1	0618	64	0.	*	1	1224	125	110.	*	1	1830	186	9.
1	0018	4	0.	*	1	0624	65	0.	*	1	1230	126	139.	*	1	1836	187	9.
1	0024	5	0.	*	1	0630	66	0.	*	1	1236	127	168.	*	1	1842	188	8.
1	0030	6	0.	*	1	0636	67	0.	*	1	1242	128	187.	*	1	1848	189	8.
1	0036	7	0.	*	1	0642	68	0.	*	1	1248	129	189.	*	1	1854	190	8.
1	0042	8	0.	*	1	0648	69	0.	*	1	1254	130	177.	*	1	1900	191	8.
1	0048	9	0.	*	1	0654	70	0.	*	1	1300	131	155.	*	1	1906	192	8.
1	0054	10	0.	*	1	0700	71	0.	*	1	1306	132	131.	*	1	1912	193	8.
1	0100	11	0.	*	1	0706	72	0.	*	1	1312	133	109.	*	1	1918	194	8.
1	0106	12	0.	*	1	0712	73	0.	*	1	1318	134	91.	*	1	1924	195	8.
1	0112	13	0.	*	1	0718	74	0.	*	1	1324	135	78.	*	1	1930	196	8.
1	0118	14	0.	*	1	0724	75	0.	*	1	1330	136	67.	*	1	1936	197	8.
1	0124	15	0.	*	1	0730	76	0.	*	1	1336	137	59.	*	1	1942	198	7.
1	0130	16	0.	*	1	0736	77	0.	*	1	1342	138	52.	*	1	1948	199	7.
1	0136	17	0.	*	1	0742	78	0.	*	1	1348	139	47.	*	1	1954	200	7.
1	0142	18	0.	*	1	0748	79	0.	*	1	1354	140	43.	*	1	2000	201	7.
1	0148	19	0.	*	1	0754	80	0.	*	1	1400	141	39.	*	1	2006	202	7.
1	0154	20	0.	*	1	0800	81	0.	*	1	1406	142	36.	*	1	2012	203	7.

1	0200	21	0.	*	1	0806	82	1.	*	1	1412	143	34.	*	1	2018	204	7.	
1	0206	22	0.	*	1	0812	83	1.	*	1	1418	144	32.	*	1	2024	205	7.	
1	0212	23	0.	*	1	0818	84	1.	*	1	1424	145	30.	*	1	2030	206	7.	
1	0218	24	0.	*	1	0824	85	1.	*	1	1430	146	28.	*	1	2036	207	7.	
1	0224	25	0.	*	1	0830	86	1.	*	1	1436	147	27.	*	1	2042	208	7.	
1	0230	26	0.	*	1	0836	87	1.	*	1	1442	148	26.	*	1	2048	209	7.	
1	0236	27	0.	*	1	0842	88	2.	*	1	1448	149	25.	*	1	2054	210	7.	
1	0242	28	0.	*	1	0848	89	2.	*	1	1454	150	24.	*	1	2100	211	6.	
1	0248	29	0.	*	1	0854	90	2.	*	1	1500	151	23.	*	1	2106	212	7.	
1	0254	30	0.	*	1	0900	91	2.	*	1	1506	152	23.	*	1	2112	213	7.	
1	0300	31	0.	*	1	0906	92	2.	*	1	1512	153	22.	*	1	2118	214	6.	
1	0306	32	0.	*	1	0912	93	3.	*	1	1518	154	21.	*	1	2124	215	6.	
1	0312	33	0.	*	1	0918	94	3.	*	1	1524	155	21.	*	1	2130	216	6.	
1	0318	34	0.	*	1	0924	95	3.	*	1	1530	156	20.	*	1	2136	217	6.	
1	0324	35	0.	*	1	0930	96	3.	*	1	1536	157	20.	*	1	2142	218	6.	
1	0330	36	0.	*	1	0936	97	4.	*	1	1542	158	19.	*	1	2148	219	6.	
1	0336	37	0.	*	1	0942	98	4.	*	1	1548	159	19.	*	1	2154	220	6.	
1	0342	38	0.	*	1	0948	99	4.	*	1	1554	160	18.	*	1	2200	221	6.	
1	0348	39	0.	*	1	0954	100	5.	*	1	1600	161	18.	*	1	2206	222	6.	
1	0354	40	0.	*	1	1000	101	5.	*	1	1606	162	18.	*	1	2212	223	6.	
1	0400	41	0.	*	1	1006	102	6.	*	1	1612	163	17.	*	1	2218	224	6.	
1	0406	42	0.	*	1	1012	103	6.	*	1	1618	164	17.	*	1	2224	225	6.	
1	0412	43	0.	*	1	1018	104	6.	*	1	1624	165	17.	*	1	2230	226	6.	
1	0418	44	0.	*	1	1024	105	7.	*	1	1630	166	16.	*	1	2236	227	6.	
1	0424	45	0.	*	1	1030	106	7.	*	1	1636	167	16.	*	1	2242	228	6.	
1	0430	46	0.	*	1	1036	107	8.	*	1	1642	168	16.	*	1	2248	229	6.	
1	0436	47	0.	*	1	1042	108	8.	*	1	1648	169	15.	*	1	2254	230	6.	
1	0442	48	0.	*	1	1048	109	9.	*	1	1654	170	15.	*	1	2300	231	6.	
1	0448	49	0.	*	1	1054	110	10.	*	1	1700	171	15.	*	1	2306	232	6.	
1	0454	50	0.	*	1	1100	111	11.	*	1	1706	172	14.	*	1	2312	233	5.	
1	0500	51	0.	*	1	1106	112	12.	*	1	1712	173	14.	*	1	2318	234	5.	
1	0506	52	0.	*	1	1112	113	13.	*	1	1718	174	13.	*	1	2324	235	5.	
1	0512	53	0.	*	1	1118	114	14.	*	1	1724	175	13.	*	1	2330	236	5.	
1	0518	54	0.	*	1	1124	115	15.	*	1	1730	176	12.	*	1	2336	237	5.	
1	0524	55	0.	*	1	1130	116	16.	*	1	1736	177	11.	*	1	2342	238	5.	
1	0530	56	0.	*	1	1136	117	18.	*	1	1742	178	10.	*	1	2348	239	5.	
1	0536	57	0.	*	1	1142	118	20.	*	1	1748	179	10.	*	1	2354	240	5.	
1	0542	58	0.	*	1	1148	119	23.	*	1	1754	180	10.	*	2	0000	241	5.	
1	0548	59	0.	*	1	1154	120	28.	*	1	1800	181	10.	*					
1	0554	60	0.	*	1	1200	121	35.	*	1	1806	182	9.	*					
1	0600	61	0.	*	1	1206	122	48.	*	1	1812	183	9.	*					

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   PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                       6-HR       24-HR      72-HR      24.00-HR
+    (CFS)       (HR)
                              (CFS)
+     189.       12.80                  48.        15.        15.        15.
                            (INCHES)  3.370      4.123      4.123      4.123
                             (AC-FT)    24.        29.        29.        29.

                         CUMULATIVE AREA =      .13 SQ MI

1                                                 STATION     COMB4

                           (O) OUTFLOW
            0.       20.       40.       60.       80.      100.      120.      140.      160.      180.      200.        0.        0.
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .         .
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .         .
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .         .
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420         .         .         .         .         .         .         .         .         .         .         .         .
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .         .
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
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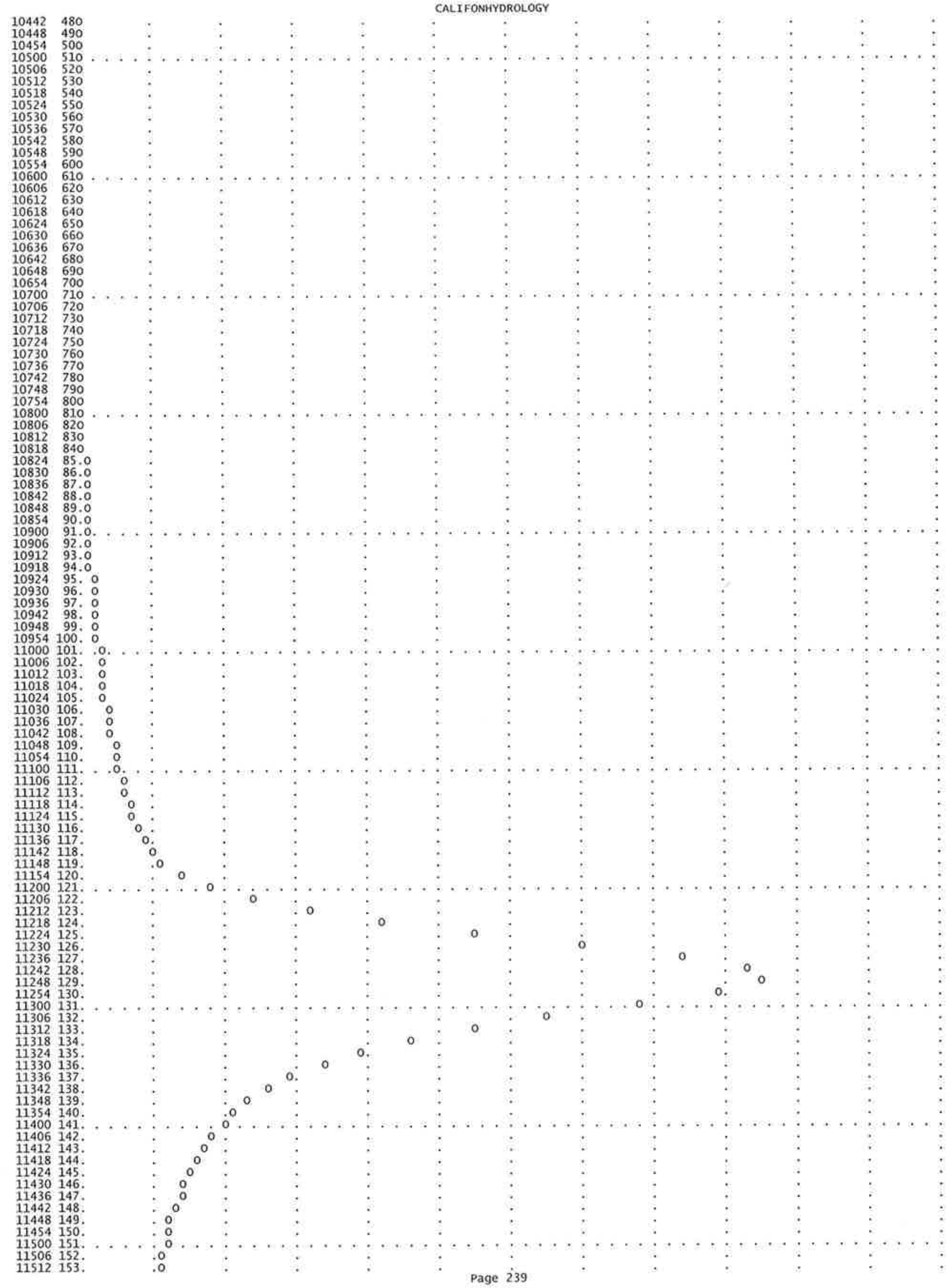
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10448 490
10454 500
10500 510
10506 520
10512 530
10518 540
10524 550
10530 560
10536 570
10542 580
10548 590
10554 600
10600 610
10606 620
10612 630
10618 640
10624 650
10630 660
10636 670
10642 680
10648 690
10654 700
10700 710
10706 720
10712 730
10718 740
10724 750
10730 760
10736 770
10742 780
10748 790
10754 800
10800 810
10806 820
10812 830
10818 840
10824 85.
10830 86.
10836 87.
10842 88.
10848 89.
10854 90.
10900 91.
10906 92.
10912 93.
10918 94.
10924 95.
10930 96.
10936 97.
10942 98.
10948 99.
10954 100.
11000 101.
11006 102.
11012 103.
11018 104.
11024 105.
11030 106.
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.

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11518 154.         .O        .         .         .         .         .         .         .         .         .         .         .
11524 155.         O         .         .         .         .         .         .         .         .         .         .         .
11530 156.         O         .         .         .         .         .         .         .         .         .         .         .
11536 157.         O         .         .         .         .         .         .         .         .         .         .         .
11542 158.         O         .         .         .         .         .         .         .         .         .         .         .
11548 159.        O.         .         .         .         .         .         .         .         .         .         .         .
11554 160.        O.         .         .         .         .         .         .         .         .         .         .         .
11600 161. . . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.        O.         .         .         .         .         .         .         .         .         .         .         .
11612 163.        O.         .         .         .         .         .         .         .         .         .         .         .
11618 164.       O .         .         .         .         .         .         .         .         .         .         .         .
11624 165.       O .         .         .         .         .         .         .         .         .         .         .         .
11630 166.       O .         .         .         .         .         .         .         .         .         .         .         .
11636 167.       O .         .         .         .         .         .         .         .         .         .         .         .
11642 168.       O .         .         .         .         .         .         .         .         .         .         .         .
11648 169.       O .         .         .         .         .         .         .         .         .         .         .         .
11654 170.       O .         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.      O  .         .         .         .         .         .         .         .         .         .         .         .
11712 173.      O  .         .         .         .         .         .         .         .         .         .         .         .
11718 174.      O  .         .         .         .         .         .         .         .         .         .         .         .
11724 175.     O   .         .         .         .         .         .         .         .         .         .         .         .
11730 176.     O   .         .         .         .         .         .         .         .         .         .         .         .
11736 177.    O    .         .         .         .         .         .         .         .         .         .         .         .
11742 178.    O    .         .         .         .         .         .         .         .         .         .         .         .
11748 179.    O    .         .         .         .         .         .         .         .         .         .         .         .
11754 180.    O    .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.    O    .         .         .         .         .         .         .         .         .         .         .         .
11812 183.    O    .         .         .         .         .         .         .         .         .         .         .         .
11818 184.   O     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.   O     .         .         .         .         .         .         .         .         .         .         .         .
11830 186.   O     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.   O     .         .         .         .         .         .         .         .         .         .         .         .
11842 188.   O     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.   O     .         .         .         .         .         .         .         .         .         .         .         .
11854 190.   O     .         .         .         .         .         .         .         .         .         .         .         .
11900 191. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.   O     .         .         .         .         .         .         .         .         .         .         .         .
11912 193.   O     .         .         .         .         .         .         .         .         .         .         .         .
11918 194.   O     .         .         .         .         .         .         .         .         .         .         .         .
11924 195.   O     .         .         .         .         .         .         .         .         .         .         .         .
11930 196.   O     .         .         .         .         .         .         .         .         .         .         .         .
11936 197.   O     .         .         .         .         .         .         .         .         .         .         .         .
11942 198.   O     .         .         .         .         .         .         .         .         .         .         .         .
11948 199.   O     .         .         .         .         .         .         .         .         .         .         .         .
11954 200.   O     .         .         .         .         .         .         .         .         .         .         .         .
12000 201. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.   O     .         .         .         .         .         .         .         .         .         .         .         .
12012 203.   O     .         .         .         .         .         .         .         .         .         .         .         .
12018 204.   O     .         .         .         .         .         .         .         .         .         .         .         .
12024 205.   O     .         .         .         .         .         .         .         .         .         .         .         .
12030 206.  O      .         .         .         .         .         .         .         .         .         .         .         .
12036 207.  O      .         .         .         .         .         .         .         .         .         .         .         .
12042 208.  O      .         .         .         .         .         .         .         .         .         .         .         .
12048 209.  O      .         .         .         .         .         .         .         .         .         .         .         .
12054 210.  O      .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  O      .         .         .         .         .         .         .         .         .         .         .         .
12112 213.  O      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  O      .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  O      .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  O      .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  O      .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  O      .         .         .         .         .         .         .         .         .         .         .         .
12148 219.  O      .         .         .         .         .         .         .         .         .         .         .         .
12154 220.  O      .         .         .         .         .         .         .         .         .         .         .         .
12200 221. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.  O      .         .         .         .         .         .         .         .         .         .         .         .
12212 223.  O      .         .         .         .         .         .         .         .         .         .         .         .
12218 224.  O      .         .         .         .         .         .         .         .         .         .         .         .
12224 225.  O      .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  O      .         .         .         .         .         .         .         .         .         .         .         .
12236 227.  O      .         .         .         .         .         .         .         .         .         .         .         .
12242 228.  O      .         .         .         .         .         .         .         .         .         .         .         .
12248 229.  O      .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  O      .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  O      .         .         .         .         .         .         .         .         .         .         .         .
12312 233.  O      .         .         .         .         .         .         .         .         .         .         .         .
12318 234.  O      .         .         .         .         .         .         .         .         .         .         .         .
12324 235.  O      .         .         .         .         .         .         .         .         .         .         .         .
12330 236.  O      .         .         .         .         .         .         .         .         .         .         .         .
12336 237.  O      .         .         .         .         .         .         .         .         .         .         .         .
12342 238.  O      .         .         .         .         .         .         .         .         .         .         .         .
12348 239.  O      .         .         .         .         .         .         .         .         .         .         .         .
12354 240.  O      .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--O------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB4
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = 1.00

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DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	*	1		0606	62	0.	*	1		1212	123	81.	*	1		1818	184	11.
1		0006	2	0.	*	1		0612	63	0.	*	1		1218	124	106.	*	1		1824	185	10.
1		0012	3	0.	*	1		0618	64	0.	*	1		1224	125	136.	*	1		1830	186	10.
1		0018	4	0.	*	1		0624	65	0.	*	1		1230	126	171.	*	1		1836	187	10.
1		0024	5	0.	*	1		0630	66	0.	*	1		1236	127	204.	*	1		1842	188	10.
1		0030	6	0.	*	1		0636	67	0.	*	1		1242	128	226.	*	1		1848	189	10.

1	0036	7	0.	*	1	0642	68	0.	*	1	1248	129	228.	*	1	1854	190	10.
1	0042	8	0.	*	1	0648	69	0.	*	1	1254	130	213.	*	1	1900	191	9.
1	0048	9	0.	*	1	0654	70	0.	*	1	1300	131	186.	*	1	1906	192	9.
1	0054	10	0.	*	1	0700	71	0.	*	1	1306	132	156.	*	1	1912	193	9.
1	0100	11	0.	*	1	0706	72	0.	*	1	1312	133	130.	*	1	1918	194	9.
1	0106	12	0.	*	1	0712	73	0.	*	1	1318	134	109.	*	1	1924	195	9.
1	0112	13	0.	*	1	0718	74	0.	*	1	1324	135	93.	*	1	1930	196	9.
1	0118	14	0.	*	1	0724	75	0.	*	1	1330	136	80.	*	1	1936	197	9.
1	0124	15	0.	*	1	0730	76	0.	*	1	1336	137	70.	*	1	1942	198	9.
1	0130	16	0.	*	1	0736	77	1.	*	1	1342	138	62.	*	1	1948	199	9.
1	0136	17	0.	*	1	0742	78	1.	*	1	1348	139	55.	*	1	1954	200	9.
1	0142	18	0.	*	1	0748	79	1.	*	1	1354	140	50.	*	1	2000	201	9.
1	0148	19	0.	*	1	0754	80	1.	*	1	1400	141	46.	*	1	2006	202	9.
1	0154	20	0.	*	1	0800	81	1.	*	1	1406	142	43.	*	1	2012	203	8.
1	0200	21	0.	*	1	0806	82	1.	*	1	1412	143	40.	*	1	2018	204	8.
1	0206	22	0.	*	1	0812	83	2.	*	1	1418	144	37.	*	1	2024	205	8.
1	0212	23	0.	*	1	0818	84	2.	*	1	1424	145	35.	*	1	2030	206	8.
1	0218	24	0.	*	1	0824	85	2.	*	1	1430	146	33.	*	1	2036	207	8.
1	0224	25	0.	*	1	0830	86	2.	*	1	1436	147	32.	*	1	2042	208	8.
1	0230	26	0.	*	1	0836	87	3.	*	1	1442	148	31.	*	1	2048	209	8.
1	0236	27	0.	*	1	0842	88	3.	*	1	1448	149	29.	*	1	2054	210	8.
1	0242	28	0.	*	1	0848	89	3.	*	1	1454	150	28.	*	1	2100	211	8.
1	0248	29	0.	*	1	0854	90	3.	*	1	1500	151	27.	*	1	2106	212	8.
1	0254	30	0.	*	1	0900	91	4.	*	1	1506	152	27.	*	1	2112	213	8.
1	0300	31	0.	*	1	0906	92	4.	*	1	1512	153	26.	*	1	2118	214	8.
1	0306	32	0.	*	1	0912	93	4.	*	1	1518	154	25.	*	1	2124	215	7.
1	0312	33	0.	*	1	0918	94	5.	*	1	1524	155	24.	*	1	2130	216	7.
1	0318	34	0.	*	1	0924	95	5.	*	1	1530	156	24.	*	1	2136	217	7.
1	0324	35	0.	*	1	0930	96	5.	*	1	1536	157	23.	*	1	2142	218	7.
1	0330	36	0.	*	1	0936	97	6.	*	1	1542	158	23.	*	1	2148	219	7.
1	0336	37	0.	*	1	0942	98	6.	*	1	1548	159	22.	*	1	2154	220	7.
1	0342	38	0.	*	1	0948	99	7.	*	1	1554	160	22.	*	1	2200	221	7.
1	0348	39	0.	*	1	0954	100	7.	*	1	1600	161	21.	*	1	2206	222	7.
1	0354	40	0.	*	1	1000	101	7.	*	1	1606	162	21.	*	1	2212	223	7.
1	0400	41	0.	*	1	1006	102	8.	*	1	1612	163	20.	*	1	2218	224	7.
1	0406	42	0.	*	1	1012	103	9.	*	1	1618	164	20.	*	1	2224	225	7.
1	0412	43	0.	*	1	1018	104	9.	*	1	1624	165	20.	*	1	2230	226	7.
1	0418	44	0.	*	1	1024	105	10.	*	1	1630	166	19.	*	1	2236	227	7.
1	0424	45	0.	*	1	1030	106	10.	*	1	1636	167	19.	*	1	2242	228	7.
1	0430	46	0.	*	1	1036	107	11.	*	1	1642	168	18.	*	1	2248	229	7.
1	0436	47	0.	*	1	1042	108	12.	*	1	1648	169	18.	*	1	2254	230	7.
1	0442	48	0.	*	1	1048	109	13.	*	1	1654	170	18.	*	1	2300	231	6.
1	0448	49	0.	*	1	1054	110	13.	*	1	1700	171	17.	*	1	2306	232	6.
1	0454	50	0.	*	1	1100	111	15.	*	1	1706	172	17.	*	1	2312	233	6.
1	0500	51	0.	*	1	1106	112	16.	*	1	1712	173	16.	*	1	2318	234	6.
1	0506	52	0.	*	1	1112	113	17.	*	1	1718	174	15.	*	1	2324	235	6.
1	0512	53	0.	*	1	1118	114	18.	*	1	1724	175	15.	*	1	2330	236	6.
1	0518	54	0.	*	1	1124	115	20.	*	1	1730	176	14.	*	1	2336	237	6.
1	0524	55	0.	*	1	1130	116	22.	*	1	1736	177	13.	*	1	2342	238	6.
1	0530	56	0.	*	1	1136	117	24.	*	1	1742	178	12.	*	1	2348	239	6.
1	0536	57	0.	*	1	1142	118	26.	*	1	1748	179	12.	*	1	2354	240	6.
1	0542	58	0.	*	1	1148	119	30.	*	1	1754	180	12.	*	2	0000	241	6.
1	0548	59	0.	*	1	1154	120	36.	*	1	1800	181	11.	*				
1	0554	60	0.	*	1	1200	121	45.	*	1	1806	182	11.	*				
1	0600	61	0.	*	1	1206	122	61.	*	1	1812	183	11.	*				
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  PEAK FLOW      TIME                      MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR      72-HR      24.00-HR
+   (CFS)        (HR)
                              (CFS)
+    228.       12.80                  58.         18.        18.         18.
                           (INCHES)  4.069       5.006      5.006       5.006
                            (AC-FT)    29.         35.        35.         35.

                         CUMULATIVE AREA =      .13 SQ MI

1                                                   STATION    COMB4

                                (O) OUTFLOW
           0.        40.        80.        120.       160.       200.       240.       0.         0.         0.         0.         0.         0.
 DAHRMN PER
  10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
  10006   20         .         .         .         .         .         .         .         .         .         .         .         .
  10012   30         .         .         .         .         .         .         .         .         .         .         .         .
  10018   40         .         .         .         .         .         .         .         .         .         .         .         .
  10024   50         .         .         .         .         .         .         .         .         .         .         .         .
  10030   60         .         .         .         .         .         .         .         .         .         .         .         .
  10036   70         .         .         .         .         .         .         .         .         .         .         .         .
  10042   80         .         .         .         .         .         .         .         .         .         .         .         .
  10048   90         .         .         .         .         .         .         .         .         .         .         .         .
  10054  100         .         .         .         .         .         .         .         .         .         .         .         .
  10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10106  120         .         .         .         .         .         .         .         .         .         .         .         .
  10112  130         .         .         .         .         .         .         .         .         .         .         .         .
  10118  140         .         .         .         .         .         .         .         .         .         .         .         .
  10124  150         .         .         .         .         .         .         .         .         .         .         .         .
  10130  160         .         .         .         .         .         .         .         .         .         .         .         .
  10136  170         .         .         .         .         .         .         .         .         .         .         .         .
  10142  180         .         .         .         .         .         .         .         .         .         .         .         .
  10148  190         .         .         .         .         .         .         .         .         .         .         .         .
  10154  200         .         .         .         .         .         .         .         .         .         .         .         .
  10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10206  220         .         .         .         .         .         .         .         .         .         .         .         .
  10212  230         .         .         .         .         .         .         .         .         .         .         .         .
  10218  240         .         .         .         .         .         .         .         .         .         .         .         .
  10224  250         .         .         .         .         .         .         .         .         .         .         .         .
  10230  260         .         .         .         .         .         .         .         .         .         .         .         .
  10236  270         .         .         .         .         .         .         .         .         .         .         .         .
  10242  280         .         .         .         .         .         .         .         .         .         .         .         .
  10248  290         .         .         .         .         .         .         .         .         .         .         .         .
  10254  300         .         .         .         .         .         .         .         .         .         .         .         .
  10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  10306  320         .         .         .         .         .         .         .         .         .         .         .         .
  10312  330         .         .         .         .         .         .         .         .         .         .         .         .
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10318  340
10324  350
10330  360
10336  370
10342  380
10348  390
10354  400
10400  410
10406  420
10412  430
10418  440
10424  450
10430  460
10436  470
10442  480
10448  490
10454  500
10500  510
10506  520
10512  530
10518  540
10524  550
10530  560
10536  570
10542  580
10548  590
10554  600
10600  610
10606  620
10612  630
10618  640
10624  650
10630  660
10636  670
10642  680
10648  690
10654  700
10700  710
10706  720
10712  730
10718  740
10724  750
10730  760
10736  770
10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  85.o
10830  86.o
10836  87.o
10842  88.o
10848  89.o
10854  90.o
10900  91.o.
10906  92.o
10912  93.o
10918  94.o
10924  95.o
10930  96.o
10936  97.o
10942  98. o
10948  99. o
10954 100. o
11000 101. o
11006 102. o
11012 103. o
11018 104. o
11024 105. o
11030 106.  o
11036 107.  o
11042 108.  o
11048 109.  o
11054 110.  o
11100 111. . o
11106 112.   o
11112 113.   o
11118 114.    o
11124 115.    o
11130 116.    o
11136 117.     o
11142 118.      o
11148 119.      o
11154 120.        o.
11200 121. . . . .o.
11206 122.              o
11212 123.                   o
11218 124.                         o
11224 125.                                 o
11230 126.                                          o
11236 127.                                                 .o
11242 128.                                                      o
11248 129.                                                       o
11254 130.                                                   o
11300 131. . . . . . . . . . . . . . . . . . . . . . .o.
11306 132.                                      o.
11312 133.                                o
11318 134.                          o
11324 135.                      o
11330 136.                   o
11336 137.                o
11342 138.              o
11348 139.             o
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11354 140.        .  O      .         .         .         .         .         .         .         .         .         .         .
11400 141. . . . . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11406 142.        .O        .         .         .         .         .         .         .         .         .         .         .
11412 143.        O         .         .         .         .         .         .         .         .         .         .         .
11418 144.       O.         .         .         .         .         .         .         .         .         .         .         .
11424 145.       O.         .         .         .         .         .         .         .         .         .         .         .
11430 146.      O .         .         .         .         .         .         .         .         .         .         .         .
11436 147.      O .         .         .         .         .         .         .         .         .         .         .         .
11442 148.      O .         .         .         .         .         .         .         .         .         .         .         .
11448 149.     O  .         .         .         .         .         .         .         .         .         .         .         .
11454 150.     O  .         .         .         .         .         .         .         .         .         .         .         .
11500 151. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11506 152.     O  .         .         .         .         .         .         .         .         .         .         .         .
11512 153.    O   .         .         .         .         .         .         .         .         .         .         .         .
11518 154.    O   .         .         .         .         .         .         .         .         .         .         .         .
11524 155.    O   .         .         .         .         .         .         .         .         .         .         .         .
11530 156.    O   .         .         .         .         .         .         .         .         .         .         .         .
11536 157.    O   .         .         .         .         .         .         .         .         .         .         .         .
11542 158.    O   .         .         .         .         .         .         .         .         .         .         .         .
11548 159.    O   .         .         .         .         .         .         .         .         .         .         .         .
11554 160.   O    .         .         .         .         .         .         .         .         .         .         .         .
11600 161. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.   O    .         .         .         .         .         .         .         .         .         .         .         .
11612 163.   O    .         .         .         .         .         .         .         .         .         .         .         .
11618 164.   O    .         .         .         .         .         .         .         .         .         .         .         .
11624 165.   O    .         .         .         .         .         .         .         .         .         .         .         .
11630 166.   O    .         .         .         .         .         .         .         .         .         .         .         .
11636 167.   O    .         .         .         .         .         .         .         .         .         .         .         .
11642 168.   O    .         .         .         .         .         .         .         .         .         .         .         .
11648 169.   O    .         .         .         .         .         .         .         .         .         .         .         .
11654 170.  O     .         .         .         .         .         .         .         .         .         .         .         .
11700 171. . O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.  O     .         .         .         .         .         .         .         .         .         .         .         .
11712 173.  O     .         .         .         .         .         .         .         .         .         .         .         .
11718 174.  O     .         .         .         .         .         .         .         .         .         .         .         .
11724 175.  O     .         .         .         .         .         .         .         .         .         .         .         .
11730 176. O      .         .         .         .         .         .         .         .         .         .         .         .
11736 177. O      .         .         .         .         .         .         .         .         .         .         .         .
11742 178. O      .         .         .         .         .         .         .         .         .         .         .         .
11748 179. O      .         .         .         .         .         .         .         .         .         .         .         .
11754 180. O      .         .         .         .         .         .         .         .         .         .         .         .
11800 181. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182. O      .         .         .         .         .         .         .         .         .         .         .         .
11812 183. O      .         .         .         .         .         .         .         .         .         .         .         .
11818 184. O      .         .         .         .         .         .         .         .         .         .         .         .
11824 185. O      .         .         .         .         .         .         .         .         .         .         .         .
11830 186. O      .         .         .         .         .         .         .         .         .         .         .         .
11836 187. O      .         .         .         .         .         .         .         .         .         .         .         .
11842 188. O       .         .         .         .         .         .         .         .         .         .         .         .
11848 189. O       .         .         .         .         .         .         .         .         .         .         .         .
11854 190. O       .         .         .         .         .         .         .         .         .         .         .         .
11900 191. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192. O       .         .         .         .         .         .         .         .         .         .         .         .
11912 193. O       .         .         .         .         .         .         .         .         .         .         .         .
11918 194. O       .         .         .         .         .         .         .         .         .         .         .         .
11924 195. O       .         .         .         .         .         .         .         .         .         .         .         .
11930 196. O       .         .         .         .         .         .         .         .         .         .         .         .
11936 197. O       .         .         .         .         .         .         .         .         .         .         .         .
11942 198. O       .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O       .         .         .         .         .         .         .         .         .         .         .         .
11954 200. O       .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O       .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O       .         .         .         .         .         .         .         .         .         .         .         .
12018 204. O       .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O       .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O       .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O       .         .         .         .         .         .         .         .         .         .         .         .
12042 208. O       .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O       .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O       .         .         .         .         .         .         .         .         .         .         .         .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O       .         .         .         .         .         .         .         .         .         .         .         .
12112 213. O       .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O       .         .         .         .         .         .         .         .         .         .         .         .
12136 217. O       .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O       .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O       .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O       .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222. O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O       .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O       .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O       .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O       .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O       .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O       .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O       .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O       .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O       .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O       .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O       .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O       .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O       .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O       .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O       .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O       .         .         .         .         .         .         .         .         .         .         .         .
20000 241.O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1
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                  **************
                  *            *
146 KK            *   COMB5    *        COMBINE FLOWS FROM COMB3 & COMB4
                  *            *
                  **************

148 KO               OUTPUT CONTROL VARIABLES
                          IPRNT          2  PRINT CONTROL
                          IPLOT          2  PLOT CONTROL
                          QSCAL         0.  HYDROGRAPH PLOT SCALE

149 HC               HYDROGRAPH COMBINATION
                          ICOMP          2  NUMBER OF HYDROGRAPHS TO COMBINE
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HYDROGRAPH AT STATION COMB5
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	23.	1		1818	184	5.
1		0006	2	0.	1		0612	63	0.	1		1218	124	32.	1		1824	185	5.
1		0012	3	0.	1		0618	64	0.	1		1224	125	45.	1		1830	186	5.
1		0018	4	0.	1		0624	65	0.	1		1230	126	59.	1		1836	187	5.
1		0024	5	0.	1		0630	66	0.	1		1236	127	74.	1		1842	188	4.
1		0030	6	0.	1		0636	67	0.	1		1242	128	85.	1		1848	189	4.
1		0036	7	0.	1		0642	68	0.	1		1248	129	88.	1		1854	190	4.
1		0042	8	0.	1		0648	69	0.	1		1254	130	83.	1		1900	191	4.
1		0048	9	0.	1		0654	70	0.	1		1300	131	74.	1		1906	192	4.
1		0054	10	0.	1		0700	71	0.	1		1306	132	63.	1		1912	193	4.
1		0100	11	0.	1		0706	72	0.	1		1312	133	53.	1		1918	194	4.
1		0106	12	0.	1		0712	73	0.	1		1318	134	45.	1		1924	195	4.
1		0112	13	0.	1		0718	74	0.	1		1324	135	38.	1		1930	196	4.
1		0118	14	0.	1		0724	75	0.	1		1330	136	33.	1		1936	197	4.
1		0124	15	0.	1		0730	76	0.	1		1336	137	29.	1		1942	198	4.
1		0130	16	0.	1		0736	77	0.	1		1342	138	26.	1		1948	199	4.
1		0136	17	0.	1		0742	78	0.	1		1348	139	24.	1		1954	200	4.
1		0142	18	0.	1		0748	79	0.	1		1354	140	22.	1		2000	201	4.
1		0148	19	0.	1		0754	80	0.	1		1400	141	20.	1		2006	202	4.
1		0154	20	0.	1		0800	81	0.	1		1406	142	18.	1		2012	203	4.
1		0200	21	0.	1		0806	82	0.	1		1412	143	17.	1		2018	204	4.
1		0206	22	0.	1		0812	83	0.	1		1418	144	16.	1		2024	205	4.
1		0212	23	0.	1		0818	84	0.	1		1424	145	15.	1		2030	206	4.
1		0218	24	0.	1		0824	85	0.	1		1430	146	15.	1		2036	207	4.
1		0224	25	0.	1		0830	86	0.	1		1436	147	14.	1		2042	208	4.
1		0230	26	0.	1		0836	87	0.	1		1442	148	13.	1		2048	209	4.
1		0236	27	0.	1		0842	88	0.	1		1448	149	13.	1		2054	210	4.
1		0242	28	0.	1		0848	89	0.	1		1454	150	12.	1		2100	211	3.
1		0248	29	0.	1		0854	90	0.	1		1500	151	12.	1		2106	212	3.
1		0254	30	0.	1		0900	91	0.	1		1506	152	12.	1		2112	213	4.
1		0300	31	0.	1		0906	92	0.	1		1512	153	11.	1		2118	214	3.
1		0306	32	0.	1		0912	93	0.	1		1518	154	11.	1		2124	215	3.
1		0312	33	0.	1		0918	94	0.	1		1524	155	11.	1		2130	216	3.
1		0318	34	0.	1		0924	95	0.	1		1530	156	10.	1		2136	217	3.
1		0324	35	0.	1		0930	96	0.	1		1536	157	10.	1		2142	218	3.
1		0330	36	0.	1		0936	97	0.	1		1542	158	10.	1		2148	219	3.
1		0336	37	0.	1		0942	98	0.	1		1548	159	10.	1		2154	220	3.
1		0342	38	0.	1		0948	99	0.	1		1554	160	10.	1		2200	221	3.
1		0348	39	0.	1		0954	100	0.	1		1600	161	9.	1		2206	222	3.
1		0354	40	0.	1		1000	101	0.	1		1606	162	9.	1		2212	223	3.
1		0400	41	0.	1		1006	102	1.	1		1612	163	9.	1		2218	224	3.
1		0406	42	0.	1		1012	103	1.	1		1618	164	9.	1		2224	225	3.
1		0412	43	0.	1		1018	104	1.	1		1624	165	9.	1		2230	226	3.
1		0418	44	0.	1		1024	105	1.	1		1630	166	9.	1		2236	227	3.
1		0424	45	0.	1		1030	106	1.	1		1636	167	8.	1		2242	228	3.
1		0430	46	0.	1		1036	107	1.	1		1642	168	8.	1		2248	229	3.
1		0436	47	0.	1		1042	108	2.	1		1648	169	8.	1		2254	230	3.
1		0442	48	0.	1		1048	109	2.	1		1654	170	8.	1		2300	231	3.
1		0448	49	0.	1		1054	110	2.	1		1700	171	8.	1		2306	232	3.
1		0454	50	0.	1		1100	111	2.	1		1706	172	7.	1		2312	233	3.
1		0500	51	0.	1		1106	112	3.	1		1712	173	7.	1		2318	234	3.
1		0506	52	0.	1		1112	113	3.	1		1718	174	7.	1		2324	235	3.
1		0512	53	0.	1		1118	114	3.	1		1724	175	7.	1		2330	236	3.
1		0518	54	0.	1		1124	115	4.	1		1730	176	6.	1		2336	237	3.
1		0524	55	0.	1		1130	116	4.	1		1736	177	6.	1		2342	238	3.
1		0530	56	0.	1		1136	117	5.	1		1742	178	6.	1		2348	239	3.
1		0536	57	0.	1		1142	118	6.	1		1748	179	5.	1		2354	240	3.
1		0542	58	0.	1		1148	119	7.	1		1754	180	5.	2		0000	241	3.
1		0548	59	0.	1		1154	120	9.	1		1800	181	5.					
1		0554	60	0.	1		1200	121	11.	1		1806	182	5.					
1		0600	61	0.	1		1206	122	16.	1		1812	183	5.					

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  PEAK FLOW     TIME                        MAXIMUM AVERAGE FLOW
                                  6-HR       24-HR       72-HR      24.00-HR
+   (CFS)       (HR)
                        (CFS)
+     88.      12.80               22.          7.          7.          7.
                        (INCHES)   .970       1.169       1.169       1.169
                        (AC-FT)     11.         13.         13.         13.

                        CUMULATIVE AREA =    .21 SQ MI
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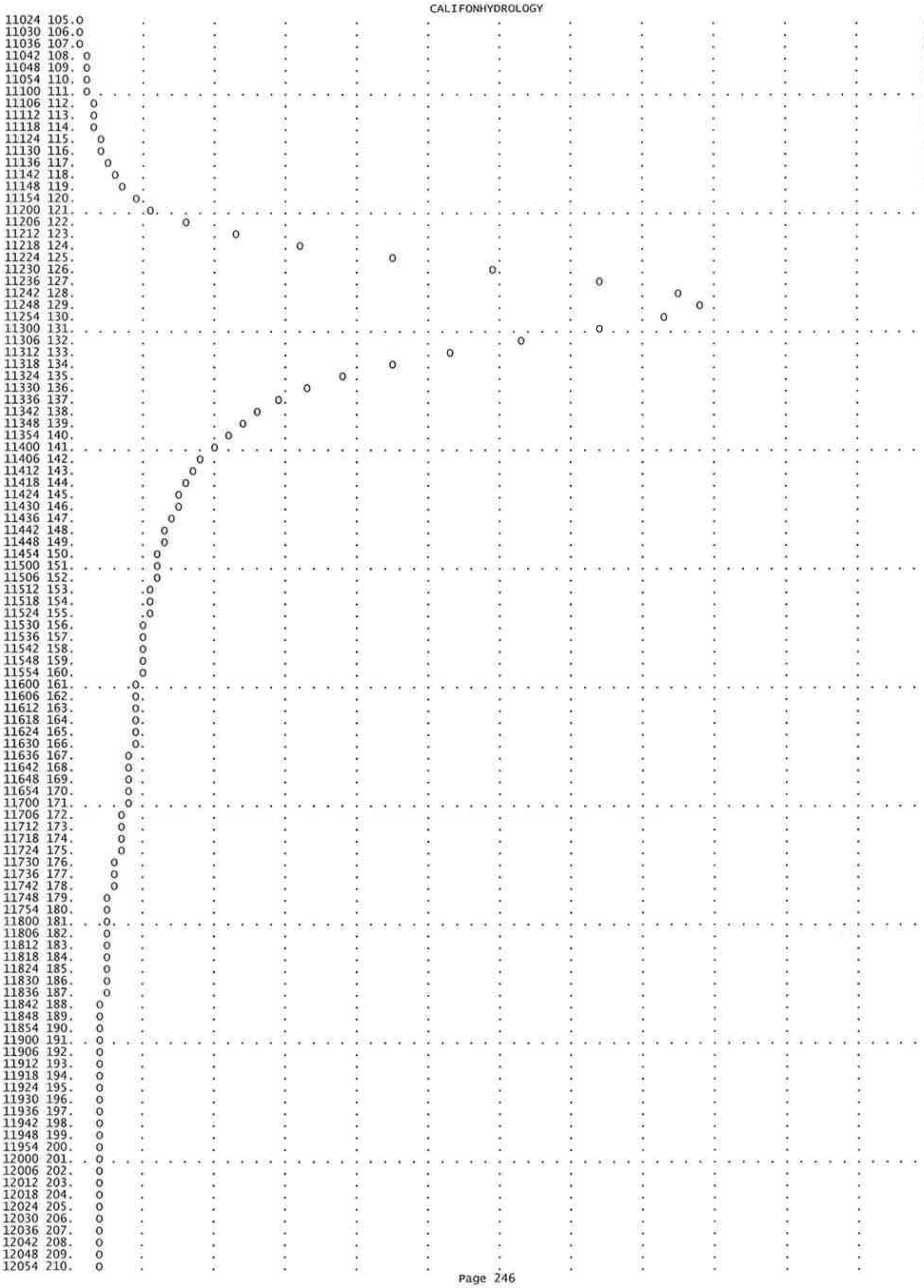
1   STATION COMB5

(O) OUTFLOW

0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 0. 0. 0.

DAHRMN	PER
10000	10
10006	20
10012	30
10018	40
10024	50
10030	60
10036	70
10042	80
10048	90
10054	100
10100	110
10106	120
10112	130
10118	140
10124	150
10130	160
10136	170
10142	180
10148	190
10154	200
10200	210
10206	220
10212	230
10218	240
10224	250
10230	260
10236	270
10242	280
10248	290
10254	300
10300	310
10306	320
10312	330
10318	340
10324	350
10330	360
10336	370
10342	380
10348	390
10354	400
10400	410
10406	420
10412	430
10418	440
10424	450
10430	460
10436	470
10442	480
10448	490
10454	500
10500	510
10506	520
10512	530
10518	540
10524	550
10530	560
10536	570
10542	580
10548	590
10554	600
10600	610
10606	620
10612	630
10618	640
10624	650
10630	660
10636	670
10642	680
10648	690
10654	700
10700	710
10706	720
10712	730
10718	740
10724	750
10730	760
10736	770
10742	780
10748	790
10754	800
10800	810
10806	820
10812	830
10818	840
10824	850
10830	860
10836	870
10842	880
10848	890
10854	900
10900	910
10906	920
10912	930
10918	940
10924	950
10930	960
10936	970
10942	980
10948	990
10954	1000
11000	1010
11006	102.0
11012	103.0
11018	104.0


11024 105.
11030 106.
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
11748 179.
11754 180.
11800 181.
11806 182.
11812 183.
11818 184.
11824 185.
11830 186.
11836 187.
11842 188.
11848 189.
11854 190.
11900 191.
11906 192.
11912 193.
11918 194.
11924 195.
11930 196.
11936 197.
11942 198.
11948 199.
11954 200.
12000 201.
12006 202.
12012 203.
12018 204.
12024 205.
12030 206.
12036 207.
12042 208.
12048 209.
12054 210.

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12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.  O       .         .         .         .         .         .         .         .         .         .         .         .
12112 213.   O      .         .         .         .         .         .         .         .         .         .         .         .
12118 214.  O       .         .         .         .         .         .         .         .         .         .         .         .
12124 215.  O       .         .         .         .         .         .         .         .         .         .         .         .
12130 216.  O       .         .         .         .         .         .         .         .         .         .         .         .
12136 217.  O       .         .         .         .         .         .         .         .         .         .         .         .
12142 218.  O       .         .         .         .         .         .         .         .         .         .         .         .
12148 219.  O       .         .         .         .         .         .         .         .         .         .         .         .
12154 220.  O       .         .         .         .         .         .         .         .         .         .         .         .
12200 221. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.  O       .         .         .         .         .         .         .         .         .         .         .         .
12212 223.  O       .         .         .         .         .         .         .         .         .         .         .         .
12218 224.  O       .         .         .         .         .         .         .         .         .         .         .         .
12224 225.  O       .         .         .         .         .         .         .         .         .         .         .         .
12230 226.  O       .         .         .         .         .         .         .         .         .         .         .         .
12236 227.  O       .         .         .         .         .         .         .         .         .         .         .         .
12242 228.  O       .         .         .         .         .         .         .         .         .         .         .         .
12248 229.  O       .         .         .         .         .         .         .         .         .         .         .         .
12254 230.  O       .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  O       .         .         .         .         .         .         .         .         .         .         .         .
12312 233.  O       .         .         .         .         .         .         .         .         .         .         .         .
12318 234.  O       .         .         .         .         .         .         .         .         .         .         .         .
12324 235.  O       .         .         .         .         .         .         .         .         .         .         .         .
12330 236.  O       .         .         .         .         .         .         .         .         .         .         .         .
12336 237.  O       .         .         .         .         .         .         .         .         .         .         .         .
12342 238.  O       .         .         .         .         .         .         .         .         .         .         .         .
12348 239.  O       .         .         .         .         .         .         .         .         .         .         .         .
12354 240.  O       .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
1
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HYDROGRAPH AT STATION COMB5
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .63

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	33.	1		1818	184	6.
1		0006	2	0.	1		0612	63	0.	1		1218	124	45.	1		1824	185	6.
1		0012	3	0.	1		0618	64	0.	1		1224	125	60.	1		1830	186	6.
1		0018	4	0.	1		0624	65	0.	1		1230	126	79.	1		1836	187	6.
1		0024	5	0.	1		0630	66	0.	1		1236	127	98.	1		1842	188	6.
1		0030	6	0.	1		0636	67	0.	1		1242	128	110.	1		1848	189	5.
1		0036	7	0.	1		0642	68	0.	1		1248	129	113.	1		1854	190	5.
1		0042	8	0.	1		0648	69	0.	1		1254	130	107.	1		1900	191	5.
1		0048	9	0.	1		0654	70	0.	1		1300	131	95.	1		1906	192	5.
1		0054	10	0.	1		0700	71	0.	1		1306	132	80.	1		1912	193	5.
1		0100	11	0.	1		0706	72	0.	1		1312	133	67.	1		1918	194	5.
1		0106	12	0.	1		0712	73	0.	1		1318	134	57.	1		1924	195	5.
1		0112	13	0.	1		0718	74	0.	1		1324	135	48.	1		1930	196	5.
1		0118	14	0.	1		0724	75	0.	1		1330	136	42.	1		1936	197	5.
1		0124	15	0.	1		0730	76	0.	1		1336	137	37.	1		1942	198	5.
1		0130	16	0.	1		0736	77	0.	1		1342	138	33.	1		1948	199	5.
1		0136	17	0.	1		0742	78	0.	1		1348	139	30.	1		1954	200	5.
1		0142	18	0.	1		0748	79	0.	1		1354	140	27.	1		2000	201	5.
1		0148	19	0.	1		0754	80	0.	1		1400	141	25.	1		2006	202	5.
1		0154	20	0.	1		0800	81	0.	1		1406	142	23.	1		2012	203	5.
1		0200	21	0.	1		0806	82	0.	1		1412	143	21.	1		2018	204	5.
1		0206	22	0.	1		0812	83	0.	1		1418	144	20.	1		2024	205	5.
1		0212	23	0.	1		0818	84	0.	1		1424	145	19.	1		2030	206	4.
1		0218	24	0.	1		0824	85	0.	1		1430	146	18.	1		2036	207	4.
1		0224	25	0.	1		0830	86	0.	1		1436	147	17.	1		2042	208	4.
1		0230	26	0.	1		0836	87	0.	1		1442	148	17.	1		2048	209	4.
1		0236	27	0.	1		0842	88	0.	1		1448	149	16.	1		2054	210	4.
1		0242	28	0.	1		0848	89	0.	1		1454	150	15.	1		2100	211	4.
1		0248	29	0.	1		0854	90	0.	1		1500	151	15.	1		2106	212	4.
1		0254	30	0.	1		0900	91	0.	1		1506	152	15.	1		2112	213	4.
1		0300	31	0.	1		0906	92	0.	1		1512	153	14.	1		2118	214	4.
1		0306	32	0.	1		0912	93	0.	1		1518	154	14.	1		2124	215	4.
1		0312	33	0.	1		0918	94	0.	1		1524	155	13.	1		2130	216	4.
1		0318	34	0.	1		0924	95	1.	1		1530	156	13.	1		2136	217	4.
1		0324	35	0.	1		0930	96	1.	1		1536	157	13.	1		2142	218	4.
1		0330	36	0.	1		0936	97	1.	1		1542	158	12.	1		2148	219	4.
1		0336	37	0.	1		0942	98	1.	1		1548	159	12.	1		2154	220	4.
1		0342	38	0.	1		0948	99	1.	1		1554	160	12.	1		2200	221	4.
1		0348	39	0.	1		0954	100	1.	1		1600	161	12.	1		2206	222	4.
1		0354	40	0.	1		1000	101	1.	1		1606	162	11.	1		2212	223	4.
1		0400	41	0.	1		1006	102	2.	1		1612	163	11.	1		2218	224	4.
1		0406	42	0.	1		1012	103	2.	1		1618	164	11.	1		2224	225	4.
1		0412	43	0.	1		1018	104	2.	1		1624	165	11.	1		2230	226	4.
1		0418	44	0.	1		1024	105	2.	1		1630	166	11.	1		2236	227	4.
1		0424	45	0.	1		1030	106	2.	1		1636	167	10.	1		2242	228	4.
1		0430	46	0.	1		1036	107	3.	1		1642	168	10.	1		2248	229	4.
1		0436	47	0.	1		1042	108	3.	1		1648	169	10.	1		2254	230	4.
1		0442	48	0.	1		1048	109	3.	1		1654	170	10.	1		2300	231	4.
1		0448	49	0.	1		1054	110	4.	1		1700	171	10.	1		2306	232	4.
1		0454	50	0.	1		1100	111	4.	1		1706	172	9.	1		2312	233	4.
1		0500	51	0.	1		1106	112	5.	1		1712	173	9.	1		2318	234	4.
1		0506	52	0.	1		1112	113	5.	1		1718	174	9.	1		2324	235	4.
1		0512	53	0.	1		1118	114	6.	1		1724	175	8.	1		2330	236	3.
1		0518	54	0.	1		1124	115	6.	1		1730	176	8.	1		2336	237	3.
1		0524	55	0.	1		1130	116	7.	1		1736	177	7.	1		2342	238	3.
1		0530	56	0.	1		1136	117	8.	1		1742	178	7.	1		2348	239	3.
1		0536	57	0.	1		1142	118	9.	1		1748	179	7.	1		2354	240	3.
1		0542	58	0.	1		1148	119	11.	1		1754	180	6.	2		0000	241	3.
1		0548	59	0.	1		1154	120	13.	1		1800	181	6.					
1		0554	60	0.	1		1200	121	17.	1		1806	182	6.					
1		0600	61	0.	1		1206	122	24.	1		1812	183	6.					

```
  PEAK FLOW     TIME                             MAXIMUM AVERAGE FLOW
                                       6-HR        24-HR       72-HR       24.00-HR
+   (CFS)       (HR)
                           (CFS)
+    113.      12.80                    29.          9.          9.           9.
                         (INCHES)     1.247       1.508       1.508        1.508
                         (AC-FT)        14.         17.         17.          17.

                         CUMULATIVE AREA =      .21 SQ MI

1                                                 STATION     COMB5

                       (O) OUTFLOW
        0.        20.        40.       60.       80.       100.      120.       0.        0.        0.        0.        0.        0.
DAHRMN PER
 10000   10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20         .         .         .         .         .         .         .         .         .         .         .         .
 10012   30         .         .         .         .         .         .         .         .         .         .         .         .
 10018   40         .         .         .         .         .         .         .         .         .         .         .         .
 10024   50         .         .         .         .         .         .         .         .         .         .         .         .
 10030   60         .         .         .         .         .         .         .         .         .         .         .         .
 10036   70         .         .         .         .         .         .         .         .         .         .         .         .
 10042   80         .         .         .         .         .         .         .         .         .         .         .         .
 10048   90         .         .         .         .         .         .         .         .         .         .         .         .
 10054  100         .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
 10106  120         .         .         .         .         .         .         .         .         .         .         .         .
 10112  130         .         .         .         .         .         .         .         .         .         .         .         .
 10118  140         .         .         .         .         .         .         .         .         .         .         .         .
 10124  150         .         .         .         .         .         .         .         .         .         .         .         .
 10130  160         .         .         .         .         .         .         .         .         .         .         .         .
 10136  170         .         .         .         .         .         .         .         .         .         .         .         .
 10142  180         .         .         .         .         .         .         .         .         .         .         .         .
 10148  190         .         .         .         .         .         .         .         .         .         .         .         .
 10154  200         .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
 10206  220         .         .         .         .         .         .         .         .         .         .         .         .
 10212  230         .         .         .         .         .         .         .         .         .         .         .         .
 10218  240         .         .         .         .         .         .         .         .         .         .         .         .
 10224  250         .         .         .         .         .         .         .         .         .         .         .         .
 10230  260         .         .         .         .         .         .         .         .         .         .         .         .
 10236  270         .         .         .         .         .         .         .         .         .         .         .         .
 10242  280         .         .         .         .         .         .         .         .         .         .         .         .
 10248  290         .         .         .         .         .         .         .         .         .         .         .         .
 10254  300         .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
 10306  320         .         .         .         .         .         .         .         .         .         .         .         .
 10312  330         .         .         .         .         .         .         .         .         .         .         .         .
 10318  340         .         .         .         .         .         .         .         .         .         .         .         .
 10324  350         .         .         .         .         .         .         .         .         .         .         .         .
 10330  360         .         .         .         .         .         .         .         .         .         .         .         .
 10336  370         .         .         .         .         .         .         .         .         .         .         .         .
 10342  380         .         .         .         .         .         .         .         .         .         .         .         .
 10348  390         .         .         .         .         .         .         .         .         .         .         .         .
 10354  400         .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
 10406  420         .         .         .         .         .         .         .         .         .         .         .         .
 10412  430         .         .         .         .         .         .         .         .         .         .         .         .
 10418  440         .         .         .         .         .         .         .         .         .         .         .         .
 10424  450         .         .         .         .         .         .         .         .         .         .         .         .
 10430  460         .         .         .         .         .         .         .         .         .         .         .         .
 10436  470         .         .         .         .         .         .         .         .         .         .         .         .
 10442  480         .         .         .         .         .         .         .         .         .         .         .         .
 10448  490         .         .         .         .         .         .         .         .         .         .         .         .
 10454  500         .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
 10506  520         .         .         .         .         .         .         .         .         .         .         .         .
 10512  530         .         .         .         .         .         .         .         .         .         .         .         .
 10518  540         .         .         .         .         .         .         .         .         .         .         .         .
 10524  550         .         .         .         .         .         .         .         .         .         .         .         .
 10530  560         .         .         .         .         .         .         .         .         .         .         .         .
 10536  570         .         .         .         .         .         .         .         .         .         .         .         .
 10542  580         .         .         .         .         .         .         .         .         .         .         .         .
 10548  590         .         .         .         .         .         .         .         .         .         .         .         .
 10554  600         .         .         .         .         .         .         .         .         .         .         .         .
 10600  610 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
 10606  620         .         .         .         .         .         .         .         .         .         .         .         .
 10612  630         .         .         .         .         .         .         .         .         .         .         .         .
 10618  640         .         .         .         .         .         .         .         .         .         .         .         .
 10624  650         .         .         .         .         .         .         .         .         .         .         .         .
 10630  660         .         .         .         .         .         .         .         .         .         .         .         .
 10636  670         .         .         .         .         .         .         .         .         .         .         .         .
 10642  680         .         .         .         .         .         .         .         .         .         .         .         .
 10648  690         .         .         .         .         .         .         .         .         .         .         .         .
 10654  700         .         .         .         .         .         .         .         .         .         .         .         .
 10700  710 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
 10706  720         .         .         .         .         .         .         .         .         .         .         .         .
 10712  730         .         .         .         .         .         .         .         .         .         .         .         .
 10718  740         .         .         .         .         .         .         .         .         .         .         .         .
 10724  750         .         .         .         .         .         .         .         .         .         .         .         .
 10730  760         .         .         .         .         .         .         .         .         .         .         .         .
 10736  770         .         .         .         .         .         .         .         .         .         .         .         .
 10742  780         .         .         .         .         .         .         .         .         .         .         .         .
 10748  790         .         .         .         .         .         .         .         .         .         .         .         .
 10754  800         .         .         .         .         .         .         .         .         .         .         .         .
 10800  810 .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .
 10806  820         .         .         .         .         .         .         .         .         .         .         .         .
 10812  830         .         .         .         .         .         .         .         .         .         .         .         .
 10818  840         .         .         .         .         .         .         .         .         .         .         .         .
 10824  850         .         .         .         .         .         .         .         .         .         .         .         .
 10830  860         .         .         .         .         .         .         .         .         .         .         .         .
 10836  870         .         .         .         .         .         .         .         .         .         .         .         .
 10842  880         .         .         .         .         .         .         .         .         .         .         .         .
 10848  890         .         .         .         .         .         .         .         .         .         .         .         .
 10854  900         .         .         .         .         .         .         .         .         .         .         .         .
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10900  910 .
10906  920
10912  930
10918  940
10924  950
10930  960
10936  970
10942  980
10948  99.o
10954 100.o
11000 101.o.
11006 102.o
11012 103.o
11018 104.o
11024 105.o
11030 106.o
11036 107.o
11042 108. o
11048 109. o
11054 110. o
11100 111. o
11106 112. o
11112 113.  o
11118 114.  o
11124 115.  o
11130 116.   o
11136 117.   o
11142 118.    o
11148 119.    o
11154 120.      o
11200 121. . . . .o.
11206 122.         . o
11212 123.                o
11218 124.                     o
11224 125.                            o
11230 126.                                     o
11236 127.                                              o.
11242 128.                                                   o
11248 129.                                                     o
11254 130.                                                  o
11300 131. . . . . . . . . . . . . . . . . . . . . . .o.
11306 132.                                     o
11312 133.                               o
11318 134.                          o .
11324 135.                      o
11330 136.                  .o
11336 137.                o
11342 138.               o
11348 139.              o
11354 140.            o
11400 141. . . . . o
11406 142.         .o
11412 143.         .o
11418 144.         o
11424 145.         o
11430 146.        o.
11436 147.        o.
11442 148.       o .
11448 149.       o .
11454 150.       o .
11500 151. . .  .o.
11506 152.      o
11512 153.      o
11518 154.      o
11524 155.      o
11530 156.     o
11536 157.     o
11542 158.     o
11548 159.     o
11554 160.     o
11600 161. . . o
11606 162.     o
11612 163.     o
11618 164.    o
11624 165.    o
11630 166.    o
11636 167.    o
11642 168.    o
11648 169.    o
11654 170.    o
11700 171. . .o.
11706 172.    o
11712 173.   o
11718 174.   o
11724 175.   o
11730 176.   o
11736 177.   o
11742 178.  o
11748 179.  o
11754 180.  o
11800 181. .o.
11806 182.  o
11812 183.  o
11818 184.  o
11824 185.  o
11830 186.  o
11836 187.  o
11842 188.  o
11848 189.  o
11854 190.  o
11900 191. .o.
11906 192.  o
11912 193.  o
11918 194.  o
11924 195.  o
11930 196.  o
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11936 197. O         .         .         .         .         .         .         .         .         .         .         .         .
11942 198. O         .         .         .         .         .         .         .         .         .         .         .         .
11948 199. O         .         .         .         .         .         .         .         .         .         .         .         .
11954 200. O         .         .         .         .         .         .         .         .         .         .         .         .
12000 201. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. O         .         .         .         .         .         .         .         .         .         .         .         .
12012 203. O         .         .         .         .         .         .         .         .         .         .         .         .
12018 204. O         .         .         .         .         .         .         .         .         .         .         .         .
12024 205. O         .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O         .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O         .         .         .         .         .         .         .         .         .         .         .         .
12042 208. O         .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O         .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O         .         .         .         .         .         .         .         .         .         .         .         .
12100 211. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O         .         .         .         .         .         .         .         .         .         .         .         .
12112 213. O         .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O         .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O         .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O         .         .         .         .         .         .         .         .         .         .         .         .
12136 217. O         .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O         .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O         .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O         .         .         .         .         .         .         .         .         .         .         .         .
12200 221. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222. O         .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O         .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O         .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O         .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O         .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O         .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O         .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O         .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O         .         .         .         .         .         .         .         .         .         .         .         .
12300 231. O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O         .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O         .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O         .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O         .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O         .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O         .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O         .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O         .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O         .         .         .         .         .         .         .         .         .         .         .         .
20000 241.-O--------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB5
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .76

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	50.	1		1818	184	8.
1		0006	2	0.	1		0612	63	0.	1		1218	124	66.	1		1824	185	7.
1		0012	3	0.	1		0618	64	0.	1		1224	125	87.	1		1830	186	7.
1		0018	4	0.	1		0624	65	0.	1		1230	126	112.	1		1836	187	7.
1		0024	5	0.	1		0630	66	0.	1		1236	127	136.	1		1842	188	7.
1		0030	6	0.	1		0636	67	0.	1		1242	128	152.	1		1848	189	7.
1		0036	7	0.	1		0642	68	0.	1		1248	129	155.	1		1854	190	7.
1		0042	8	0.	1		0648	69	0.	1		1254	130	145.	1		1900	191	7.
1		0048	9	0.	1		0654	70	0.	1		1300	131	128.	1		1906	192	7.
1		0054	10	0.	1		0700	71	0.	1		1306	132	108.	1		1912	193	7.
1		0100	11	0.	1		0706	72	0.	1		1312	133	90.	1		1918	194	7.
1		0106	12	0.	1		0712	73	0.	1		1318	134	76.	1		1924	195	7.
1		0112	13	0.	1		0718	74	0.	1		1324	135	65.	1		1930	196	7.
1		0118	14	0.	1		0724	75	0.	1		1330	136	56.	1		1936	197	6.
1		0124	15	0.	1		0730	76	0.	1		1336	137	49.	1		1942	198	6.
1		0130	16	0.	1		0736	77	0.	1		1342	138	43.	1		1948	199	6.
1		0136	17	0.	1		0742	78	0.	1		1348	139	39.	1		1954	200	6.
1		0142	18	0.	1		0748	79	0.	1		1354	140	36.	1		2000	201	6.
1		0148	19	0.	1		0754	80	0.	1		1400	141	33.	1		2006	202	6.
1		0154	20	0.	1		0800	81	0.	1		1406	142	30.	1		2012	203	6.
1		0200	21	0.	1		0806	82	0.	1		1412	143	28.	1		2018	204	6.
1		0206	22	0.	1		0812	83	0.	1		1418	144	26.	1		2024	205	6.
1		0212	23	0.	1		0818	84	0.	1		1424	145	25.	1		2030	206	6.
1		0218	24	0.	1		0824	85	0.	1		1430	146	24.	1		2036	207	6.
1		0224	25	0.	1		0830	86	0.	1		1436	147	23.	1		2042	208	6.
1		0230	26	0.	1		0836	87	1.	1		1442	148	22.	1		2048	209	6.
1		0236	27	0.	1		0842	88	1.	1		1448	149	21.	1		2054	210	6.
1		0242	28	0.	1		0848	89	1.	1		1454	150	20.	1		2100	211	5.
1		0248	29	0.	1		0854	90	1.	1		1500	151	20.	1		2106	212	6.
1		0254	30	0.	1		0900	91	1.	1		1506	152	19.	1		2112	213	6.
1		0300	31	0.	1		0906	92	1.	1		1512	153	18.	1		2118	214	5.
1		0306	32	0.	1		0912	93	1.	1		1518	154	18.	1		2124	215	5.
1		0312	33	0.	1		0918	94	2.	1		1524	155	17.	1		2130	216	5.
1		0318	34	0.	1		0924	95	2.	1		1530	156	17.	1		2136	217	5.
1		0324	35	0.	1		0930	96	2.	1		1536	157	16.	1		2142	218	5.
1		0330	36	0.	1		0936	97	2.	1		1542	158	16.	1		2148	219	5.
1		0336	37	0.	1		0942	98	2.	1		1548	159	16.	1		2154	220	5.
1		0342	38	0.	1		0948	99	3.	1		1554	160	15.	1		2200	221	5.
1		0348	39	0.	1		0954	100	3.	1		1600	161	15.	1		2206	222	5.
1		0354	40	0.	1		1000	101	3.	1		1606	162	15.	1		2212	223	5.
1		0400	41	0.	1		1006	102	4.	1		1612	163	15.	1		2218	224	5.
1		0406	42	0.	1		1012	103	4.	1		1618	164	14.	1		2224	225	5.
1		0412	43	0.	1		1018	104	4.	1		1624	165	14.	1		2230	226	5.
1		0418	44	0.	1		1024	105	5.	1		1630	166	14.	1		2236	227	5.
1		0424	45	0.	1		1030	106	5.	1		1636	167	13.	1		2242	228	5.
1		0430	46	0.	1		1036	107	5.	1		1642	168	13.	1		2248	229	5.
1		0436	47	0.	1		1042	108	6.	1		1648	169	13.	1		2254	230	5.
1		0442	48	0.	1		1048	109	6.	1		1654	170	13.	1		2300	231	5.
1		0448	49	0.	1		1054	110	7.	1		1700	171	12.	1		2306	232	5.

```
 1   0454   50      0.   *   1   1100  111      8.   *   1   1706  172      12.   *   1   2312  233      5.
 1   0500   51      0.   *   1   1106  112      8.   *   1   1712  173      12.   *   1   2318  234      5.
 1   0506   52      0.   *   1   1112  113      9.   *   1   1718  174      11.   *   1   2324  235      5.
 1   0512   53      0.   *   1   1118  114     10.   *   1   1724  175      11.   *   1   2330  236      4.
 1   0518   54      0.   *   1   1124  115     11.   *   1   1730  176      10.   *   1   2336  237      4.
 1   0524   55      0.   *   1   1130  116     12.   *   1   1736  177       9.   *   1   2342  238      4.
 1   0530   56      0.   *   1   1136  117     13.   *   1   1742  178       9.   *   1   2348  239      4.
 1   0536   57      0.   *   1   1142  118     15.   *   1   1748  179       9.   *   1   2354  240      4.
 1   0542   58      0.   *   1   1148  119     17.   *   1   1754  180       8.   *   2   0000  241      4.
 1   0548   59      0.   *   1   1154  120     21.   *   1   1800  181       8.   *
 1   0554   60      0.   *   1   1200  121     27.   *   1   1806  182       8.   *
 1   0600   61      0.   *   1   1206  122     37.   *   1   1812  183       8.   *
                         *                           *                            *
*********************************************************************************************************

  PEAK FLOW     TIME                            MAXIMUM AVERAGE FLOW
                                        6-HR        24-HR       72-HR      24.00-HR
+   (CFS)       (HR)
                          (CFS)
+    155.      12.80                     39.          12.         12.          12.
                          (INCHES)     1.700        2.069       2.069        2.069
                          (AC-FT)        19.          24.         24.          24.

                          CUMULATIVE AREA =      .21 SQ MI

1                                                  STATION     COMB5

                            (O) OUTFLOW
           0.       20.       40.       60.       80.      100.      120.      140.      160.        0.        0.        0.        0.
DAHRMN PER
 10000   10-.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20          .         .         .         .         .         .         .         .         .         .         .         .
 10012   30          .         .         .         .         .         .         .         .         .         .         .         .
 10018   40          .         .         .         .         .         .         .         .         .         .         .         .
 10024   50          .         .         .         .         .         .         .         .         .         .         .         .
 10030   60          .         .         .         .         .         .         .         .         .         .         .         .
 10036   70          .         .         .         .         .         .         .         .         .         .         .         .
 10042   80          .         .         .         .         .         .         .         .         .         .         .         .
 10048   90          .         .         .         .         .         .         .         .         .         .         .         .
 10054  100          .         .         .         .         .         .         .         .         .         .         .         .
 10100  110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106  120          .         .         .         .         .         .         .         .         .         .         .         .
 10112  130          .         .         .         .         .         .         .         .         .         .         .         .
 10118  140          .         .         .         .         .         .         .         .         .         .         .         .
 10124  150          .         .         .         .         .         .         .         .         .         .         .         .
 10130  160          .         .         .         .         .         .         .         .         .         .         .         .
 10136  170          .         .         .         .         .         .         .         .         .         .         .         .
 10142  180          .         .         .         .         .         .         .         .         .         .         .         .
 10148  190          .         .         .         .         .         .         .         .         .         .         .         .
 10154  200          .         .         .         .         .         .         .         .         .         .         .         .
 10200  210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206  220          .         .         .         .         .         .         .         .         .         .         .         .
 10212  230          .         .         .         .         .         .         .         .         .         .         .         .
 10218  240          .         .         .         .         .         .         .         .         .         .         .         .
 10224  250          .         .         .         .         .         .         .         .         .         .         .         .
 10230  260          .         .         .         .         .         .         .         .         .         .         .         .
 10236  270          .         .         .         .         .         .         .         .         .         .         .         .
 10242  280          .         .         .         .         .         .         .         .         .         .         .         .
 10248  290          .         .         .         .         .         .         .         .         .         .         .         .
 10254  300          .         .         .         .         .         .         .         .         .         .         .         .
 10300  310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306  320          .         .         .         .         .         .         .         .         .         .         .         .
 10312  330          .         .         .         .         .         .         .         .         .         .         .         .
 10318  340          .         .         .         .         .         .         .         .         .         .         .         .
 10324  350          .         .         .         .         .         .         .         .         .         .         .         .
 10330  360          .         .         .         .         .         .         .         .         .         .         .         .
 10336  370          .         .         .         .         .         .         .         .         .         .         .         .
 10342  380          .         .         .         .         .         .         .         .         .         .         .         .
 10348  390          .         .         .         .         .         .         .         .         .         .         .         .
 10354  400          .         .         .         .         .         .         .         .         .         .         .         .
 10400  410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406  420          .         .         .         .         .         .         .         .         .         .         .         .
 10412  430          .         .         .         .         .         .         .         .         .         .         .         .
 10418  440          .         .         .         .         .         .         .         .         .         .         .         .
 10424  450          .         .         .         .         .         .         .         .         .         .         .         .
 10430  460          .         .         .         .         .         .         .         .         .         .         .         .
 10436  470          .         .         .         .         .         .         .         .         .         .         .         .
 10442  480          .         .         .         .         .         .         .         .         .         .         .         .
 10448  490          .         .         .         .         .         .         .         .         .         .         .         .
 10454  500          .         .         .         .         .         .         .         .         .         .         .         .
 10500  510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506  520          .         .         .         .         .         .         .         .         .         .         .         .
 10512  530          .         .         .         .         .         .         .         .         .         .         .         .
 10518  540          .         .         .         .         .         .         .         .         .         .         .         .
 10524  550          .         .         .         .         .         .         .         .         .         .         .         .
 10530  560          .         .         .         .         .         .         .         .         .         .         .         .
 10536  570          .         .         .         .         .         .         .         .         .         .         .         .
 10542  580          .         .         .         .         .         .         .         .         .         .         .         .
 10548  590          .         .         .         .         .         .         .         .         .         .         .         .
 10554  600          .         .         .         .         .         .         .         .         .         .         .         .
 10600  610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606  620          .         .         .         .         .         .         .         .         .         .         .         .
 10612  630          .         .         .         .         .         .         .         .         .         .         .         .
 10618  640          .         .         .         .         .         .         .         .         .         .         .         .
 10624  650          .         .         .         .         .         .         .         .         .         .         .         .
 10630  660          .         .         .         .         .         .         .         .         .         .         .         .
 10636  670          .         .         .         .         .         .         .         .         .         .         .         .
 10642  680          .         .         .         .         .         .         .         .         .         .         .         .
 10648  690          .         .         .         .         .         .         .         .         .         .         .         .
 10654  700          .         .         .         .         .         .         .         .         .         .         .         .
 10700  710 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10706  720          .         .         .         .         .         .         .         .         .         .         .         .
 10712  730          .         .         .         .         .         .         .         .         .         .         .         .
 10718  740          .         .         .         .         .         .         .         .         .         .         .         .
 10724  750          .         .         .         .         .         .         .         .         .         .         .         .
 10730  760          .         .         .         .         .         .         .         .         .         .         .         .
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10736  770
10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  850
10830  860
10836  870
10842  880
10848  890
10854  900
10900  91.o
10906  92.o
10912  93.o
10918  94.o
10924  95.o
10930  96.o
10936  97.o
10942  98.o
10948  99.o
10954 100.o
11000 101.
11006 102.
11012 103.
11018 104.
11024 105.
11030 106.
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.
11648 169.
11654 170.
11700 171.
11706 172.
11712 173.
11718 174.
11724 175.
11730 176.
11736 177.
11742 178.
11748 179.
11754 180.
11800 181.
11806 182.
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11812 183.     O
11818 184.     O
11824 185.     O
11830 186.     O
11836 187.     O
11842 188.     O
11848 189.    O
11854 190.    O
11900 191.   .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.    O
11912 193.    O
11918 194.    O
11924 195.    O
11930 196.    O
11936 197.    O
11942 198.    O
11948 199.    O
11954 200.    O
12000 201.   .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.    O
12012 203.    O
12018 204.    O
12024 205.    O
12030 206.    O
12036 207.    O
12042 208.    O
12048 209.    O
12054 210.    O
12100 211.   .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212.    O
12112 213.    O
12118 214.    O
12124 215.    O
12130 216.    O
12136 217.    O
12142 218.    O
12148 219.    O
12154 220.    O
12200 221.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222.  O
12212 223.  O
12218 224.  O
12224 225.  O
12230 226.  O
12236 227.    O
12242 228.    O
12248 229.    O
12254 230.  O
12300 231.  O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232.  O
12312 233.  O
12318 234.  O
12324 235.  O
12330 236.  O
12336 237.  O
12342 238.  O
12348 239.  O
12354 240.  O
20000 241.-O-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB5
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .88

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	1		0606	62	0.	1		1212	123	68.	1		1818	184	9.
1		0006	2	0.	1		0612	63	0.	1		1218	124	95.	1		1824	185	9.
1		0012	3	0.	1		0618	64	0.	1		1224	125	119.	1		1830	186	9.
1		0018	4	0.	1		0624	65	0.	1		1230	126	145.	1		1836	187	9.
1		0024	5	0.	1		0630	66	0.	1		1236	127	171.	1		1842	188	8.
1		0030	6	0.	1		0636	67	0.	1		1242	128	189.	1		1848	189	8.
1		0036	7	0.	1		0642	68	0.	1		1248	129	191.	1		1854	190	8.
1		0042	8	0.	1		0648	69	0.	1		1254	130	177.	1		1900	191	8.
1		0048	9	0.	1		0654	70	0.	1		1300	131	155.	1		1906	192	8.
1		0054	10	0.	1		0700	71	0.	1		1306	132	131.	1		1912	193	8.
1		0100	11	0.	1		0706	72	0.	1		1312	133	109.	1		1918	194	8.
1		0106	12	0.	1		0712	73	0.	1		1318	134	91.	1		1924	195	8.
1		0112	13	0.	1		0718	74	0.	1		1324	135	78.	1		1930	196	8.
1		0118	14	0.	1		0724	75	0.	1		1330	136	67.	1		1936	197	8.
1		0124	15	0.	1		0730	76	0.	1		1336	137	59.	1		1942	198	7.
1		0130	16	0.	1		0736	77	0.	1		1342	138	52.	1		1948	199	7.
1		0136	17	0.	1		0742	78	0.	1		1348	139	47.	1		1954	200	7.
1		0142	18	0.	1		0748	79	0.	1		1354	140	43.	1		2000	201	7.
1		0148	19	0.	1		0754	80	0.	1		1400	141	39.	1		2006	202	7.
1		0154	20	0.	1		0800	81	0.	1		1406	142	36.	1		2012	203	7.
1		0200	21	0.	1		0806	82	1.	1		1412	143	34.	1		2018	204	7.
1		0206	22	0.	1		0812	83	1.	1		1418	144	32.	1		2024	205	7.
1		0212	23	0.	1		0818	84	1.	1		1424	145	30.	1		2030	206	7.
1		0218	24	0.	1		0824	85	1.	1		1430	146	28.	1		2036	207	7.
1		0224	25	0.	1		0830	86	1.	1		1436	147	27.	1		2042	208	7.
1		0230	26	0.	1		0836	87	1.	1		1442	148	26.	1		2048	209	7.
1		0236	27	0.	1		0842	88	2.	1		1448	149	25.	1		2054	210	7.
1		0242	28	0.	1		0848	89	2.	1		1454	150	24.	1		2100	211	6.
1		0248	29	0.	1		0854	90	2.	1		1500	151	23.	1		2106	212	7.
1		0254	30	0.	1		0900	91	2.	1		1506	152	23.	1		2112	213	7.
1		0300	31	0.	1		0906	92	2.	1		1512	153	22.	1		2118	214	6.
1		0306	32	0.	1		0912	93	3.	1		1518	154	21.	1		2124	215	6.
1		0312	33	0.	1		0918	94	3.	1		1524	155	21.	1		2130	216	6.
1		0318	34	0.	1		0924	95	3.	1		1530	156	20.	1		2136	217	6.
1		0324	35	0.	1		0930	96	3.	1		1536	157	20.	1		2142	218	6.

1	0330	36	0.	*	1	0936	97	4.	*	1	1542	158	19.	*	1	2148	219	6.	
1	0336	37	0.	*	1	0942	98	4.	*	1	1548	159	19.	*	1	2154	220	6.	
1	0342	38	0.	*	1	0948	99	4.	*	1	1554	160	18.	*	1	2200	221	6.	
1	0348	39	0.	*	1	0954	100	5.	*	1	1600	161	18.	*	1	2206	222	6.	
1	0354	40	0.	*	1	1000	101	5.	*	1	1606	162	18.	*	1	2212	223	6.	
1	0400	41	0.	*	1	1006	102	6.	*	1	1612	163	17.	*	1	2218	224	6.	
1	0406	42	0.	*	1	1012	103	6.	*	1	1618	164	17.	*	1	2224	225	6.	
1	0412	43	0.	*	1	1018	104	6.	*	1	1624	165	17.	*	1	2230	226	6.	
1	0418	44	0.	*	1	1024	105	7.	*	1	1630	166	16.	*	1	2236	227	6.	
1	0424	45	0.	*	1	1030	106	7.	*	1	1636	167	16.	*	1	2242	228	6.	
1	0430	46	0.	*	1	1036	107	8.	*	1	1642	168	16.	*	1	2248	229	6.	
1	0436	47	0.	*	1	1042	108	8.	*	1	1648	169	15.	*	1	2254	230	6.	
1	0442	48	0.	*	1	1048	109	9.	*	1	1654	170	15.	*	1	2300	231	6.	
1	0448	49	0.	*	1	1054	110	10.	*	1	1700	171	15.	*	1	2306	232	6.	
1	0454	50	0.	*	1	1100	111	11.	*	1	1706	172	14.	*	1	2312	233	5.	
1	0500	51	0.	*	1	1106	112	12.	*	1	1712	173	14.	*	1	2318	234	5.	
1	0506	52	0.	*	1	1112	113	13.	*	1	1718	174	13.	*	1	2324	235	5.	
1	0512	53	0.	*	1	1118	114	14.	*	1	1724	175	13.	*	1	2330	236	5.	
1	0518	54	0.	*	1	1124	115	15.	*	1	1730	176	12.	*	1	2336	237	5.	
1	0524	55	0.	*	1	1130	116	16.	*	1	1736	177	11.	*	1	2342	238	5.	
1	0530	56	0.	*	1	1136	117	18.	*	1	1742	178	10.	*	1	2348	239	5.	
1	0536	57	0.	*	1	1142	118	20.	*	1	1748	179	10.	*	1	2354	240	5.	
1	0542	58	0.	*	1	1148	119	23.	*	1	1754	180	10.	*	2	0000	241	5.	
1	0548	59	0.	*	1	1154	120	28.	*	1	1800	181	10.	*					
1	0554	60	0.	*	1	1200	121	35.	*	1	1806	182	9.	*					
1	0600	61	0.	*	1	1206	122	48.	*	1	1812	183	9.	*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 191.	12.80		49.	15.	15.	15.
		(INCHES)	2.108	2.573	2.573	2.573
		(AC-FT)	24.	29.	29.	29.

CUMULATIVE AREA = .21 SQ MI

1 STATION COMB5

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                         (O) OUTFLOW
            0.        20.       40.       60.       80.      100.      120.      140.      160.      180.      200.        0.        0.
DAHRMN PER
 10000  10---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006  20         .         .         .         .         .         .         .         .         .         .         .         .         .
 10012  30         .         .         .         .         .         .         .         .         .         .         .         .         .
 10018  40         .         .         .         .         .         .         .         .         .         .         .         .         .
 10024  50         .         .         .         .         .         .         .         .         .         .         .         .         .
 10030  60         .         .         .         .         .         .         .         .         .         .         .         .         .
 10036  70         .         .         .         .         .         .         .         .         .         .         .         .         .
 10042  80         .         .         .         .         .         .         .         .         .         .         .         .         .
 10048  90         .         .         .         .         .         .         .         .         .         .         .         .         .
 10054 100         .         .         .         .         .         .         .         .         .         .         .         .         .
 10100 110 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10106 120         .         .         .         .         .         .         .         .         .         .         .         .         .
 10112 130         .         .         .         .         .         .         .         .         .         .         .         .         .
 10118 140         .         .         .         .         .         .         .         .         .         .         .         .         .
 10124 150         .         .         .         .         .         .         .         .         .         .         .         .         .
 10130 160         .         .         .         .         .         .         .         .         .         .         .         .         .
 10136 170         .         .         .         .         .         .         .         .         .         .         .         .         .
 10142 180         .         .         .         .         .         .         .         .         .         .         .         .         .
 10148 190         .         .         .         .         .         .         .         .         .         .         .         .         .
 10154 200         .         .         .         .         .         .         .         .         .         .         .         .         .
 10200 210 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10206 220         .         .         .         .         .         .         .         .         .         .         .         .         .
 10212 230         .         .         .         .         .         .         .         .         .         .         .         .         .
 10218 240         .         .         .         .         .         .         .         .         .         .         .         .         .
 10224 250         .         .         .         .         .         .         .         .         .         .         .         .         .
 10230 260         .         .         .         .         .         .         .         .         .         .         .         .         .
 10236 270         .         .         .         .         .         .         .         .         .         .         .         .         .
 10242 280         .         .         .         .         .         .         .         .         .         .         .         .         .
 10248 290         .         .         .         .         .         .         .         .         .         .         .         .         .
 10254 300         .         .         .         .         .         .         .         .         .         .         .         .         .
 10300 310 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10306 320         .         .         .         .         .         .         .         .         .         .         .         .         .
 10312 330         .         .         .         .         .         .         .         .         .         .         .         .         .
 10318 340         .         .         .         .         .         .         .         .         .         .         .         .         .
 10324 350         .         .         .         .         .         .         .         .         .         .         .         .         .
 10330 360         .         .         .         .         .         .         .         .         .         .         .         .         .
 10336 370         .         .         .         .         .         .         .         .         .         .         .         .         .
 10342 380         .         .         .         .         .         .         .         .         .         .         .         .         .
 10348 390         .         .         .         .         .         .         .         .         .         .         .         .         .
 10354 400         .         .         .         .         .         .         .         .         .         .         .         .         .
 10400 410 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10406 420         .         .         .         .         .         .         .         .         .         .         .         .         .
 10412 430         .         .         .         .         .         .         .         .         .         .         .         .         .
 10418 440         .         .         .         .         .         .         .         .         .         .         .         .         .
 10424 450         .         .         .         .         .         .         .         .         .         .         .         .         .
 10430 460         .         .         .         .         .         .         .         .         .         .         .         .         .
 10436 470         .         .         .         .         .         .         .         .         .         .         .         .         .
 10442 480         .         .         .         .         .         .         .         .         .         .         .         .         .
 10448 490         .         .         .         .         .         .         .         .         .         .         .         .         .
 10454 500         .         .         .         .         .         .         .         .         .         .         .         .         .
 10500 510 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10506 520         .         .         .         .         .         .         .         .         .         .         .         .         .
 10512 530         .         .         .         .         .         .         .         .         .         .         .         .         .
 10518 540         .         .         .         .         .         .         .         .         .         .         .         .         .
 10524 550         .         .         .         .         .         .         .         .         .         .         .         .         .
 10530 560         .         .         .         .         .         .         .         .         .         .         .         .         .
 10536 570         .         .         .         .         .         .         .         .         .         .         .         .         .
 10542 580         .         .         .         .         .         .         .         .         .         .         .         .         .
 10548 590         .         .         .         .         .         .         .         .         .         .         .         .         .
 10554 600         .         .         .         .         .         .         .         .         .         .         .         .         .
 10600 610 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
 10606 620         .         .         .         .         .         .         .         .         .         .         .         .         .
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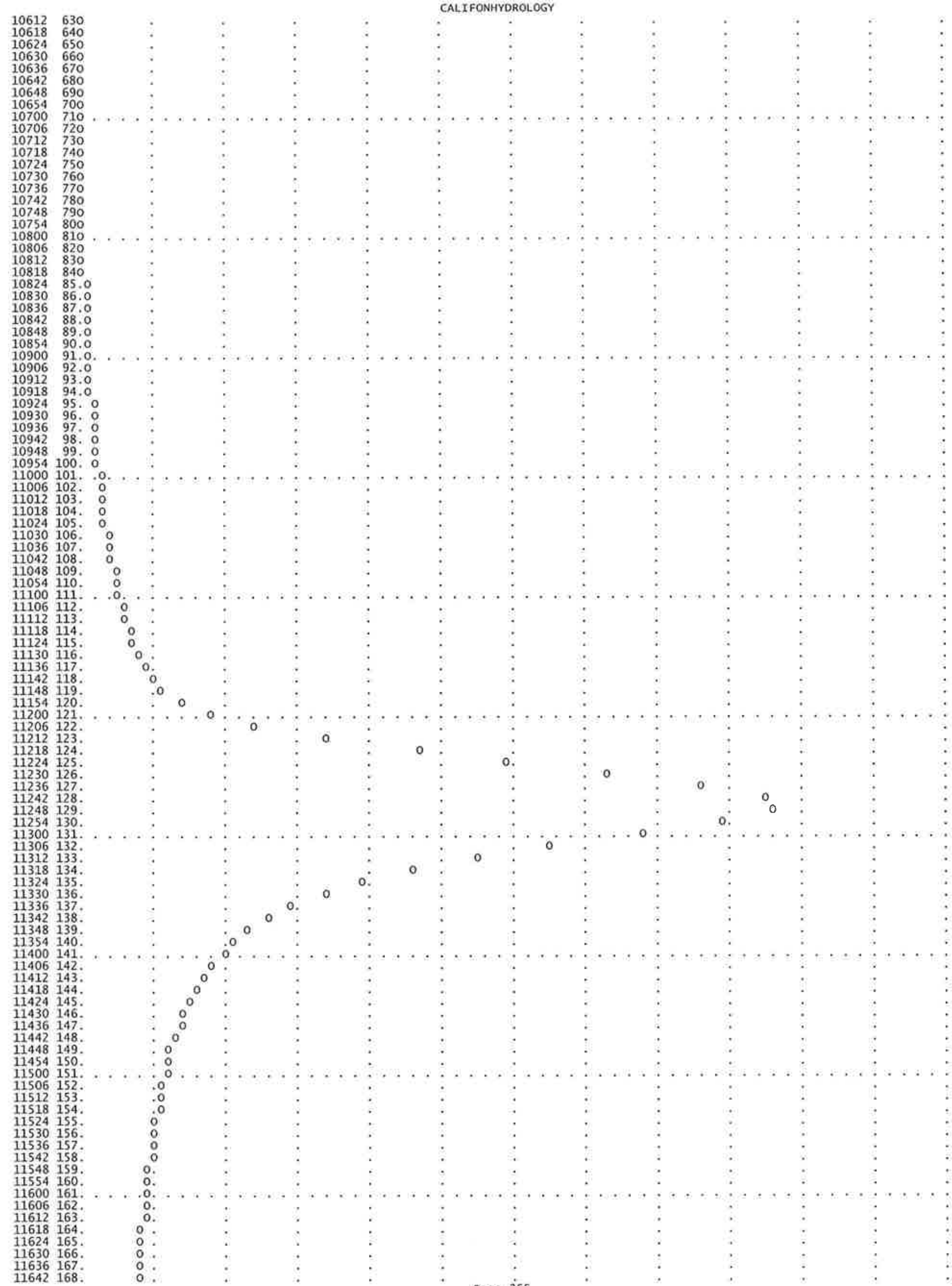
10612 630
10618 640
10624 650
10630 660
10636 670
10642 680
10648 690
10654 700
10700 710
10706 720
10712 730
10718 740
10724 750
10730 760
10736 770
10742 780
10748 790
10754 800
10800 810
10806 820
10812 830
10818 840
10824 85.o
10830 86.o
10836 87.o
10842 88.o
10848 89.o
10854 90.o
10900 91.o
10906 92.o
10912 93.o
10918 94.o
10924 95.
10930 96.
10936 97.
10942 98.
10948 99.
10954 100.
11000 101.
11006 102.
11012 103.
11018 104.
11024 105.
11030 106.
11036 107.
11042 108.
11048 109.
11054 110.
11100 111.
11106 112.
11112 113.
11118 114.
11124 115.
11130 116.
11136 117.
11142 118.
11148 119.
11154 120.
11200 121.
11206 122.
11212 123.
11218 124.
11224 125.
11230 126.
11236 127.
11242 128.
11248 129.
11254 130.
11300 131.
11306 132.
11312 133.
11318 134.
11324 135.
11330 136.
11336 137.
11342 138.
11348 139.
11354 140.
11400 141.
11406 142.
11412 143.
11418 144.
11424 145.
11430 146.
11436 147.
11442 148.
11448 149.
11454 150.
11500 151.
11506 152.
11512 153.
11518 154.
11524 155.
11530 156.
11536 157.
11542 158.
11548 159.
11554 160.
11600 161.
11606 162.
11612 163.
11618 164.
11624 165.
11630 166.
11636 167.
11642 168.

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11648 169.      O .         .         .         .         .         .         .         .         .         .         .         .
11654 170.      O .         .         .         .         .         .         .         .         .         .         .         .
11700 171. . . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.      O .         .         .         .         .         .         .         .         .         .         .         .
11712 173.      O .         .         .         .         .         .         .         .         .         .         .         .
11718 174.      O .         .         .         .         .         .         .         .         .         .         .         .
11724 175.    O   .         .         .         .         .         .         .         .         .         .         .         .
11730 176.    O   .         .         .         .         .         .         .         .         .         .         .         .
11736 177.   O    .         .         .         .         .         .         .         .         .         .         .         .
11742 178.   O    .         .         .         .         .         .         .         .         .         .         .         .
11748 179.   O    .         .         .         .         .         .         .         .         .         .         .         .
11754 180.   O    .         .         .         .         .         .         .         .         .         .         .         .
11800 181. . .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.   O    .         .         .         .         .         .         .         .         .         .         .         .
11812 183.   O    .         .         .         .         .         .         .         .         .         .         .         .
11818 184.  O     .         .         .         .         .         .         .         .         .         .         .         .
11824 185.  O     .         .         .         .         .         .         .         .         .         .         .         .
11830 186.  O     .         .         .         .         .         .         .         .         .         .         .         .
11836 187.  O     .         .         .         .         .         .         .         .         .         .         .         .
11842 188.  O     .         .         .         .         .         .         .         .         .         .         .         .
11848 189.  O     .         .         .         .         .         .         .         .         .         .         .         .
11854 190.  O     .         .         .         .         .         .         .         .         .         .         .         .
11900 191. .O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192.  O     .         .         .         .         .         .         .         .         .         .         .         .
11912 193.  O     .         .         .         .         .         .         .         .         .         .         .         .
11918 194.  O     .         .         .         .         .         .         .         .         .         .         .         .
11924 195.  O     .         .         .         .         .         .         .         .         .         .         .         .
11930 196.  O     .         .         .         .         .         .         .         .         .         .         .         .
11936 197.  O     .         .         .         .         .         .         .         .         .         .         .         .
11942 198.  O     .         .         .         .         .         .         .         .         .         .         .         .
11948 199.  O     .         .         .         .         .         .         .         .         .         .         .         .
11954 200.  O     .         .         .         .         .         .         .         .         .         .         .         .
12000 201. .O . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202.  O     .         .         .         .         .         .         .         .         .         .         .         .
12012 203.  O     .         .         .         .         .         .         .         .         .         .         .         .
12018 204.  O     .         .         .         .         .         .         .         .         .         .         .         .
12024 205.  O     .         .         .         .         .         .         .         .         .         .         .         .
12030 206. O      .         .         .         .         .         .         .         .         .         .         .         .
12036 207. O      .         .         .         .         .         .         .         .         .         .         .         .
12042 208. O      .         .         .         .         .         .         .         .         .         .         .         .
12048 209. O      .         .         .         .         .         .         .         .         .         .         .         .
12054 210. O      .         .         .         .         .         .         .         .         .         .         .         .
12100 211. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. O      .         .         .         .         .         .         .         .         .         .         .         .
12112 213. O      .         .         .         .         .         .         .         .         .         .         .         .
12118 214. O      .         .         .         .         .         .         .         .         .         .         .         .
12124 215. O      .         .         .         .         .         .         .         .         .         .         .         .
12130 216. O      .         .         .         .         .         .         .         .         .         .         .         .
12136 217. O      .         .         .         .         .         .         .         .         .         .         .         .
12142 218. O      .         .         .         .         .         .         .         .         .         .         .         .
12148 219. O      .         .         .         .         .         .         .         .         .         .         .         .
12154 220. O      .         .         .         .         .         .         .         .         .         .         .         .
12200 221. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222. O      .         .         .         .         .         .         .         .         .         .         .         .
12212 223. O      .         .         .         .         .         .         .         .         .         .         .         .
12218 224. O      .         .         .         .         .         .         .         .         .         .         .         .
12224 225. O      .         .         .         .         .         .         .         .         .         .         .         .
12230 226. O      .         .         .         .         .         .         .         .         .         .         .         .
12236 227. O      .         .         .         .         .         .         .         .         .         .         .         .
12242 228. O      .         .         .         .         .         .         .         .         .         .         .         .
12248 229. O      .         .         .         .         .         .         .         .         .         .         .         .
12254 230. O      .         .         .         .         .         .         .         .         .         .         .         .
12300 231. .O. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. O      .         .         .         .         .         .         .         .         .         .         .         .
12312 233. O      .         .         .         .         .         .         .         .         .         .         .         .
12318 234. O      .         .         .         .         .         .         .         .         .         .         .         .
12324 235. O      .         .         .         .         .         .         .         .         .         .         .         .
12330 236. O      .         .         .         .         .         .         .         .         .         .         .         .
12336 237. O      .         .         .         .         .         .         .         .         .         .         .         .
12342 238. O      .         .         .         .         .         .         .         .         .         .         .         .
12348 239. O      .         .         .         .         .         .         .         .         .         .         .         .
12354 240. O      .         .         .         .         .         .         .         .         .         .         .         .
20000 241.--O------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
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HYDROGRAPH AT STATION COMB5
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = 1.00

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DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1		0000	1	0.	*	1		0606	62	0.	*	1		1212	123	101.	*	1		1818	184	11.
1		0006	2	0.	*	1		0612	63	0.	*	1		1218	124	134.	*	1		1824	185	10.
1		0012	3	0.	*	1		0618	64	0.	*	1		1224	125	162.	*	1		1830	186	10.
1		0018	4	0.	*	1		0624	65	0.	*	1		1230	126	193.	*	1		1836	187	10.
1		0024	5	0.	*	1		0630	66	0.	*	1		1236	127	224.	*	1		1842	188	10.
1		0030	6	0.	*	1		0636	67	0.	*	1		1242	128	245.	*	1		1848	189	10.
1		0036	7	0.	*	1		0642	68	0.	*	1		1248	129	246.	*	1		1854	190	10.
1		0042	8	0.	*	1		0648	69	0.	*	1		1254	130	228.	*	1		1900	191	9.
1		0048	9	0.	*	1		0654	70	0.	*	1		1300	131	195.	*	1		1906	192	9.
1		0054	10	0.	*	1		0700	71	0.	*	1		1306	132	158.	*	1		1912	193	9.
1		0100	11	0.	*	1		0706	72	0.	*	1		1312	133	130.	*	1		1918	194	9.
1		0106	12	0.	*	1		0712	73	0.	*	1		1318	134	109.	*	1		1924	195	9.
1		0112	13	0.	*	1		0718	74	0.	*	1		1324	135	93.	*	1		1930	196	9.
1		0118	14	0.	*	1		0724	75	0.	*	1		1330	136	80.	*	1		1936	197	9.
1		0124	15	0.	*	1		0730	76	0.	*	1		1336	137	70.	*	1		1942	198	9.
1		0130	16	0.	*	1		0736	77	1.	*	1		1342	138	62.	*	1		1948	199	9.
1		0136	17	0.	*	1		0742	78	1.	*	1		1348	139	55.	*	1		1954	200	9.
1		0142	18	0.	*	1		0748	79	1.	*	1		1354	140	50.	*	1		2000	201	9.
1		0148	19	0.	*	1		0754	80	1.	*	1		1400	141	46.	*	1		2006	202	9.
1		0154	20	0.	*	1		0800	81	1.	*	1		1406	142	43.	*	1		2012	203	8.
1		0200	21	0.	*	1		0806	82	1.	*	1		1412	143	40.	*	1		2018	204	8.

1	0206	22	0.	*	1	0812	83	2.	*	1	1418	144	37.	*	1	2024	205	8.	
1	0212	23	0.	*	1	0818	84	2.	*	1	1424	145	35.	*	1	2030	206	8.	
1	0218	24	0.	*	1	0824	85	2.	*	1	1430	146	33.	*	1	2036	207	8.	
1	0224	25	0.	*	1	0830	86	2.	*	1	1436	147	32.	*	1	2042	208	8.	
1	0230	26	0.	*	1	0836	87	3.	*	1	1442	148	31.	*	1	2048	209	8.	
1	0236	27	0.	*	1	0842	88	3.	*	1	1448	149	29.	*	1	2054	210	8.	
1	0242	28	0.	*	1	0848	89	3.	*	1	1454	150	28.	*	1	2100	211	8.	
1	0248	29	0.	*	1	0854	90	3.	*	1	1500	151	27.	*	1	2106	212	8.	
1	0254	30	0.	*	1	0900	91	4.	*	1	1506	152	27.	*	1	2112	213	8.	
1	0300	31	0.	*	1	0906	92	4.	*	1	1512	153	26.	*	1	2118	214	8.	
1	0306	32	0.	*	1	0912	93	4.	*	1	1518	154	25.	*	1	2124	215	7.	
1	0312	33	0.	*	1	0918	94	5.	*	1	1524	155	24.	*	1	2130	216	7.	
1	0318	34	0.	*	1	0924	95	5.	*	1	1530	156	24.	*	1	2136	217	7.	
1	0324	35	0.	*	1	0930	96	5.	*	1	1536	157	23.	*	1	2142	218	7.	
1	0330	36	0.	*	1	0936	97	6.	*	1	1542	158	23.	*	1	2148	219	7.	
1	0336	37	0.	*	1	0942	98	6.	*	1	1548	159	22.	*	1	2154	220	7.	
1	0342	38	0.	*	1	0948	99	7.	*	1	1554	160	22.	*	1	2200	221	7.	
1	0348	39	0.	*	1	0954	100	7.	*	1	1600	161	21.	*	1	2206	222	7.	
1	0354	40	0.	*	1	1000	101	7.	*	1	1606	162	21.	*	1	2212	223	7.	
1	0400	41	0.	*	1	1006	102	8.	*	1	1612	163	20.	*	1	2218	224	7.	
1	0406	42	0.	*	1	1012	103	9.	*	1	1618	164	20.	*	1	2224	225	7.	
1	0412	43	0.	*	1	1018	104	9.	*	1	1624	165	20.	*	1	2230	226	7.	
1	0418	44	0.	*	1	1024	105	10.	*	1	1630	166	19.	*	1	2236	227	7.	
1	0424	45	0.	*	1	1030	106	10.	*	1	1636	167	19.	*	1	2242	228	7.	
1	0430	46	0.	*	1	1036	107	11.	*	1	1642	168	18.	*	1	2248	229	7.	
1	0436	47	0.	*	1	1042	108	12.	*	1	1648	169	18.	*	1	2254	230	7.	
1	0442	48	0.	*	1	1048	109	13.	*	1	1654	170	18.	*	1	2300	231	7.	
1	0448	49	0.	*	1	1054	110	13.	*	1	1700	171	17.	*	1	2306	232	6.	
1	0454	50	0.	*	1	1100	111	15.	*	1	1706	172	17.	*	1	2312	233	6.	
1	0500	51	0.	*	1	1106	112	16.	*	1	1712	173	16.	*	1	2318	234	6.	
1	0506	52	0.	*	1	1112	113	17.	*	1	1718	174	15.	*	1	2324	235	6.	
1	0512	53	0.	*	1	1118	114	18.	*	1	1724	175	15.	*	1	2330	236	6.	
1	0518	54	0.	*	1	1124	115	20.	*	1	1730	176	14.	*	1	2336	237	6.	
1	0524	55	0.	*	1	1130	116	22.	*	1	1736	177	13.	*	1	2342	238	6.	
1	0530	56	0.	*	1	1136	117	24.	*	1	1742	178	12.	*	1	2348	239	6.	
1	0536	57	0.	*	1	1142	118	26.	*	1	1748	179	12.	*	1	2354	240	6.	
1	0542	58	0.	*	1	1148	119	30.	*	1	1754	180	12.	*	2	0000	241	6.	
1	0548	59	0.	*	1	1154	120	36.	*	1	1800	181	11.	*					
1	0554	60	0.	*	1	1200	121	45.	*	1	1806	182	11.	*					
1	0600	61	0.	*	1	1206	122	62.	*	1	1812	183	11.	*					

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 246.	12.80		61.	19.	19.	19.
		(INCHES)	2.645	3.224	3.224	3.224
		(AC-FT)	30.	37.	37.	37.

CUMULATIVE AREA = .21 SQ MI

1 STATION COMB5

```
                   (O) OUTFLOW
          0.     40.     80.     120.     160.     200.     240.     280.     0.     0.     0.     0.     0.
DAHRMN PER
 10000   10-------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.---------.
 10006   20
 10012   30
 10018   40
 10024   50
 10030   60
 10036   70
 10042   80
 10048   90
 10054  100
 10100  110
 10106  120
 10112  130
 10118  140
 10124  150
 10130  160
 10136  170
 10142  180
 10148  190
 10154  200
 10200  210
 10206  220
 10212  230
 10218  240
 10224  250
 10230  260
 10236  270
 10242  280
 10248  290
 10254  300
 10300  310
 10306  320
 10312  330
 10318  340
 10324  350
 10330  360
 10336  370
 10342  380
 10348  390
 10354  400
 10400  410
 10406  420
 10412  430
 10418  440
 10424  450
 10430  460
 10436  470
 10442  480
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```
10448  490
10454  500
10500  510
10506  520
10512  530
10518  540
10524  550
10530  560
10536  570
10542  580
10548  590
10554  600
10600  610
10606  620
10612  630
10618  640
10624  650
10630  660
10636  670
10642  680
10648  690
10654  700
10700  710
10706  720
10712  730
10718  740
10724  750
10730  760
10736  770
10742  780
10748  790
10754  800
10800  810
10806  820
10812  830
10818  840
10824  85.o
10830  86.o
10836  87.o
10842  88.o
10848  89.o
10854  90.o
10900  91.o
10906  92.o
10912  93.o
10918  94.o
10924  95.o
10930  96.o
10936  97.o
10942  98. o
10948  99. o
10954 100. o
11000 101. o
11006 102. o
11012 103. o
11018 104. o
11024 105. o
11030 106.  o
11036 107.  o
11042 108.  o
11048 109.  o
11054 110.  o
11100 111.   o
11106 112.   o
11112 113.   o
11118 114.    o
11124 115.    o
11130 116.    o
11136 117.     o
11142 118.      o
11148 119.      o
11154 120.        o.
11200 121.         .o.
11206 122.               o
11212 123.                        o
11218 124.                                o
11224 125.                                       .o
11230 126.                                               o
11236 127.                                                       o
11242 128.                                                           .o
11248 129.                                                             o
11254 130.                                                        o
11300 131.                                               .o.
11306 132.                                       o
11312 133.                                o
11318 134.                          o
11324 135.                      o
11330 136.                   o
11336 137.                o
11342 138.              o
11348 139.             o
11354 140.            o
11400 141.           o
11406 142.         .o
11412 143.         o
11418 144.        o.
11424 145.        o.
11430 146.       o
11436 147.       o
11442 148.       o
11448 149.      o
11454 150.      o
11500 151.     .o.
11506 152.      o
11512 153.     o
11518 154.     o
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11524 155.      o   .        .        .        .        .        .        .        .        .        .        .        .        .
11530 156.      o   .        .        .        .        .        .        .        .        .        .        .        .        .
11536 157.      o   .        .        .        .        .        .        .        .        .        .        .        .        .
11542 158.      o   .        .        .        .        .        .        .        .        .        .        .        .        .
11548 159.      o   .        .        .        .        .        .        .        .        .        .        .        .        .
11554 160.     o    .        .        .        .        .        .        .        .        .        .        .        .        .
11600 161. . .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11606 162.     o    .        .        .        .        .        .        .        .        .        .        .        .        .
11612 163.     o    .        .        .        .        .        .        .        .        .        .        .        .        .
11618 164.     o    .        .        .        .        .        .        .        .        .        .        .        .        .
11624 165.     o    .        .        .        .        .        .        .        .        .        .        .        .        .
11630 166.     o    .        .        .        .        .        .        .        .        .        .        .        .        .
11636 167.     o    .        .        .        .        .        .        .        .        .        .        .        .        .
11642 168.     o    .        .        .        .        .        .        .        .        .        .        .        .        .
11648 169.     o    .        .        .        .        .        .        .        .        .        .        .        .        .
11654 170.    o     .        .        .        .        .        .        .        .        .        .        .        .        .
11700 171. . o  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11706 172.    o     .        .        .        .        .        .        .        .        .        .        .        .        .
11712 173.    o     .        .        .        .        .        .        .        .        .        .        .        .        .
11718 174.    o     .        .        .        .        .        .        .        .        .        .        .        .        .
11724 175.    o     .        .        .        .        .        .        .        .        .        .        .        .        .
11730 176.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11736 177.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11742 178.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11748 179.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11754 180.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11800 181.  .o. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11806 182.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11812 183.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11818 184.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11824 185.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11830 186.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11836 187.   o      .        .        .        .        .        .        .        .        .        .        .        .        .
11842 188. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11848 189. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11854 190. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11900 191. o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
11906 192. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11912 193. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11918 194. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11924 195. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11930 196. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11936 197. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11942 198. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11948 199. o        .        .        .        .        .        .        .        .        .        .        .        .        .
11954 200. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12000 201. o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12006 202. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12012 203. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12018 204. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12024 205. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12030 206. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12036 207. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12042 208. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12048 209. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12054 210. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12100 211. o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12106 212. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12112 213. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12118 214. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12124 215. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12130 216. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12136 217. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12142 218. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12148 219. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12154 220. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12200 221. o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12206 222. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12212 223. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12218 224. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12224 225. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12230 226. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12236 227. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12242 228. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12248 229. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12254 230. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12300 231. o . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
12306 232. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12312 233. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12318 234. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12324 235. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12330 236. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12336 237. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12342 238. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12348 239. o        .        .        .        .        .        .        .        .        .        .        .        .        .
12354 240. o        .        .        .        .        .        .        .        .        .        .        .        .        .
20000 241.o--------.--------.--------.--------.--------.--------.--------.--------.--------.--------.--------.--------.--------.
1
1
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PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS
FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES
TIME TO PEAK IN HOURS

OPERATION	STATION	AREA	PLAN		RATIOS APPLIED TO PRECIPITATION RATIO 1 .54	RATIO 2 .63	RATIO 3 .76	RATIO 4 .88	RATIO 5 1.00
HYDROGRAPH AT +	SUB B1	.05	1	FLOW	16.	24.	36.	47.	60.
				TIME	12.70	12.70	12.70	12.60	12.60
HYDROGRAPH AT +	SUB B2	.00	1	FLOW	3.	4.	5.	7.	8.
				TIME	12.10	12.10	12.10	12.10	12.10

2 COMBINED AT +	COMB1	.05	1	FLOW TIME	17. 12.70	24. 12.70	37. 12.70	48. 12.60	61. 12.60
HYDROGRAPH AT +	SUB C	.00	1	FLOW TIME	2. 12.10	3. 12.10	4. 12.10	4. 12.10	5. 12.10
HYDROGRAPH AT +	SUB D	.01	1	FLOW TIME	5. 12.20	7. 12.20	10. 12.20	13. 12.20	15. 12.20
3 COMBINED AT +	COMB2	.06	1	FLOW TIME	19. 12.60	27. 12.60	41. 12.60	53. 12.60	68. 12.60
ROUTED TO +	C2TOE	.06	1	FLOW TIME	19. 12.80	27. 12.80	41. 12.80	53. 12.80	68. 12.80
HYDROGRAPH AT +	SUB E	.02	1	FLOW TIME	15. 12.20	21. 12.20	31. 12.20	39. 12.20	49. 12.20
2 COMBINED AT +	COMB3	.08	1	FLOW TIME	26. 12.30	37. 12.30	55. 12.30	70. 12.30	88. 12.30
DIVERSION TO +	DIVERS	.08	1	FLOW TIME	26. 12.30	37. 12.30	55. 12.30	60. 12.20	60. 12.10
HYDROGRAPH AT +	Div	.08	1	FLOW TIME	0. .00	0. .00	0. .00	10. 12.30	28. 12.30
HYDROGRAPH AT +	SUB A	.11	1	FLOW TIME	83. 12.50	106. 12.50	145. 12.50	177. 12.50	213. 12.50
ROUTED TO +	A TO F	.11	1	FLOW TIME	83. 12.80	106. 12.80	145. 12.80	177. 12.80	213. 12.80
HYDROGRAPH AT +	SUB F	.02	1	FLOW TIME	12. 12.40	17. 12.30	26. 12.30	33. 12.30	42. 12.30
2 COMBINED AT +	COMB4	.13	1	FLOW TIME	88. 12.80	113. 12.80	155. 12.80	189. 12.80	228. 12.80
2 COMBINED AT +	COMB5	.21	1	FLOW TIME	88. 12.80	113. 12.80	155. 12.80	191. 12.80	246. 12.80

*** NORMAL END OF HEC-1 ***

<u>Appendix D</u>

HEC-RAS
Step Backwater Computations
Existing Conditions

```
                    HEC-RAS Version 4.1.0 Jan 2010
                    U.S. Army Corps of Engineers
                    Hydrologic Engineering Center
                          609 Second Street
                          Davis, California

          X     X  XXXXXX    XXXX        XXXX      XX      XXXX
          X     X  X        X    X       X   X    X  X    X
          X     X  X        X            X   X   X    X   X
          XXXXXXX  XXXX     X       XXX  XXXX    XXXXXX    XXXX
          X     X  X        X            X  X    X    X        X
          X     X  X        X    X       X   X   X    X        X
          X     X  XXXXXX    XXXX        X    X  X    X   XXXXX

************************************************************************************

PROJECT DATA
Project Title: CalifonFloodplainStudy
Project File : CalifonFloodplainSt.prj
Run Date and Time: 8/14/2012 10:51:27 PM

Project in English units

************************************************************************************

PLAN DATA

Plan Title: CalifonFloodplainStudy
Plan File : C:\HEC-RAS_revised Aug 2012\CalifonFloodplainSt.p01

           Geometry Title: CalifonStreamGeometry
           Geometry File : C:\HEC-RAS_revised Aug 2012\CalifonFloodplainSt.g01

           Flow Title    : CalifonTribFlows
           Flow File     : C:\HEC-RAS_revised Aug 2012\CalifonFloodplainSt.f01

Plan Summary Information:
Number of:  Cross Sections =   44    Multiple Openings  =    0
            Culverts       =    4    Inline Structures  =    0
            Bridges        =    0    Lateral Structures =    0

Computational Information
    Water surface calculation tolerance  =  0.01
    Critical depth calculation tolerance =  0.01
    Maximum number of iterations         =  20
    Maximum difference tolerance         =  0.3
    Flow tolerance factor                =  0.001

Computation Options
    Critical depth computed only where necessary
    Conveyance Calculation Method: At breaks in n values only
    Friction Slope Method:         Average Conveyance
    Computational Flow Regime:     Subcritical Flow

************************************************************************************

FLOW DATA

Flow Title: CalifonTribFlows
Flow File : C:\HEC-RAS_revised Aug 2012\CalifonFloodplainSt.f01

Flow Data (cfs)
*****************************************************************************************************************************
* River          Reach            RS        *     5-year flow    10-year flow    25-year flow    50-year flow   100-year flow *
* Unnamed_Trib   East_Reach       1292.07  *             19              27              41              53              68 *
* Unnamed_Trib   East_Reach       168.1203*              .5              .5              .5              10              28 *
* Unnamed_Trib   West_Reach       2088.37  *             83             106             145             177             213 *
* Unnamed_Trib   West_Reach       1250.517*              83             106             145             177             213 *
* Unnamed_Trib   West_Reach       110.1391*              88             113             155             189             228 *
* Unnamed_Trib   Downstream_Reach508.2322*               88             113             155             191             246 *
*****************************************************************************************************************************

Boundary Conditions
*****************************************************************************************************
* River          Reach            Profile          *           Upstream                Downstream    *
*****************************************************************************************************
* Unnamed_Trib   Downstream_Reach5-year flow       *                              Normal S = 0.00271 *
* Unnamed_Trib   Downstream_Reach10-year flow      *                              Normal S = 0.00271 *
* Unnamed_Trib   Downstream_Reach25-year flow      *                              Normal S = 0.00271 *
* Unnamed_Trib   Downstream_Reach50-year flow      *                              Normal S = 0.00271 *
* Unnamed_Trib   Downstream_Reach100-year flow     *                              Normal S = 0.00271 *
*****************************************************************************************************

************************************************************************************

GEOMETRY DATA

Geometry Title: CalifonStreamGeometry
Geometry File : C:\HEC-RAS_revised Aug 2012\CalifonFloodplainSt.g01

Reach Connection Table
*************************************************************************************
* River          Reach             *  Upstream Boundary  * Downstream Boundary *
*************************************************************************************
* Unnamed_Trib    East_Reach       *                     *   Junction1         *
* Unnamed_Trib    West_Reach       *                     *   Junction1         *
* Unnamed_Trib    Downstream_Reach *   Junction1         *                     *
*************************************************************************************

JUNCTION INFORMATION

Name: Junction1
```

Description: Flow confluence of East & West Reaches
Energy computation Method

Length across Junction

River	Reach	Tributary River	Reach	Length	Angle
Unnamed_Trib	East_Reach	to Unnamed_Trib	Downstream_Reach	168	
Unnamed_Trib	West_Reach	to Unnamed_Trib	Downstream_Reach	110	

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 1292.07

INPUT
Description:
Station Elevation Data num= 50

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	608.1	4.59	607.47	9.17	606.94	13.76	606.28	18.34	605.23
22.93	602.98	27.52	602.25	32.01	602.39	36.5	602.44	40.99	601.93
45.48	600.95	49.97	600.31	54.46	599.64	58.95	598.76	63.44	597.84
67.93	597.31	72.63	597.25	77.33	596.86	82.03	596.41	86.73	595.96
91.43	595.63	96.13	595.88	98.21	596.41	99.3	596.69	100.82	597.08
105.52	598.1	110.22	599.05	114.92	599.57	119.62	599.75	124.32	600.11
129.02	600.29	134	600.18	138.98	600.3	143.95	600.53	148.93	600.56
153.9	600.53	158.88	601.45	163.85	602.75	168.83	603.93	173.61	604.63
178.39	604.86	183.17	604.95	187.95	605.19	192.73	605.63	197.51	606.09
201.82	606.52	206.14	606.97	210.45	607.22	214.77	607.52	219.08	608.04

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	77.33	.035	99.3	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
77.33	99.3	62.53	53.97	43.69	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	596.46	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.035	
W.S. Elev (ft)	596.26	Reach Len. (ft)	62.53	53.97	43.69
Crit W.S. (ft)	596.26	Flow Area (sq ft)		5.37	
E.G. Slope (ft/ft)	0.025349	Area (sq ft)		5.37	
Q Total (cfs)	19.00	Flow (cfs)		19.00	
Top Width (ft)	14.08	Top Width (ft)		14.08	
Vel Total (ft/s)	3.54	Avg. Vel. (ft/s)		3.54	
Max Chl Dpth (ft)	0.63	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	119.3	Conv. (cfs)		119.3	
Length Wtd. (ft)	53.97	Wetted Per. (ft)		14.16	
Min Ch El (ft)	595.63	Shear (lb/sq ft)		0.60	
Alpha	1.00	Stream Power (lb/ft s)	219.08	0.00	0.00
Frctn Loss (ft)	1.33	Cum Volume (acre-ft)	0.11	0.14	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.05	0.32	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	596.60	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.035	
W.S. Elev (ft)	596.38	Reach Len. (ft)	62.53	53.97	43.69
Crit W.S. (ft)	596.38	Flow Area (sq ft)		7.03	
E.G. Slope (ft/ft)	0.024024	Area (sq ft)		7.03	
Q Total (cfs)	27.00	Flow (cfs)		27.00	
Top Width (ft)	15.69	Top Width (ft)		15.69	
Vel Total (ft/s)	3.84	Avg. Vel. (ft/s)		3.84	
Max Chl Dpth (ft)	0.75	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	174.2	Conv. (cfs)		174.2	
Length Wtd. (ft)	53.97	Wetted Per. (ft)		15.79	
Min Ch El (ft)	595.63	Shear (lb/sq ft)		0.67	
Alpha	1.00	Stream Power (lb/ft s)	219.08	0.00	0.00
Frctn Loss (ft)	1.27	Cum Volume (acre-ft)	0.13	0.18	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.06	0.35	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	596.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.035	
W.S. Elev (ft)	596.54	Reach Len. (ft)	62.53	53.97	43.69
Crit W.S. (ft)	596.54	Flow Area (sq ft)		9.80	
E.G. Slope (ft/ft)	0.022130	Area (sq ft)		9.80	
Q Total (cfs)	41.00	Flow (cfs)		41.00	
Top Width (ft)	18.04	Top Width (ft)		18.04	
Vel Total (ft/s)	4.18	Avg. Vel. (ft/s)		4.18	
Max Chl Dpth (ft)	0.91	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	275.6	Conv. (cfs)		275.6	
Length Wtd. (ft)	53.97	Wetted Per. (ft)		18.17	
Min Ch El (ft)	595.63	Shear (lb/sq ft)		0.75	

Alpha	1.00	Stream Power (lb/ft s)	219.08	0.00	0.00
Frctn Loss (ft)	1.18	Cum Volume (acre-ft)	0.15	0.24	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.09	0.41	0.00

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	596.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.035	
W.S. Elev (ft)	596.65	Reach Len. (ft)	62.53	53.97	43.69
Crit W.S. (ft)	596.65	Flow Area (sq ft)		11.89	
E.G. Slope (ft/ft)	0.021708	Area (sq ft)		11.89	
Q Total (cfs)	53.00	Flow (cfs)		53.00	
Top Width (ft)	19.64	Top Width (ft)		19.64	
Vel Total (ft/s)	4.46	Avg. Vel. (ft/s)		4.46	
Max Chl Dpth (ft)	1.02	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	359.7	Conv. (cfs)		359.7	
Length Wtd. (ft)	53.97	Wetted Per. (ft)		19.78	
Min Ch El (ft)	595.63	Shear (lb/sq ft)		0.81	
Alpha	1.00	Stream Power (lb/ft s)	219.08	0.00	0.00
Frctn Loss (ft)	1.15	Cum Volume (acre-ft)	0.18	0.31	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.10	0.48	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	597.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	596.77	Reach Len. (ft)	62.53	53.97	43.69
Crit W.S. (ft)	596.77	Flow Area (sq ft)		14.36	0.01
E.G. Slope (ft/ft)	0.020915	Area (sq ft)		14.36	0.01
Q Total (cfs)	68.00	Flow (cfs)		68.00	0.00
Top Width (ft)	21.37	Top Width (ft)		21.05	0.32
Vel Total (ft/s)	4.73	Avg. Vel. (ft/s)		4.73	0.31
Max Chl Dpth (ft)	1.14	Hydr. Depth (ft)		0.68	0.04
Conv. Total (cfs)	470.2	Conv. (cfs)		470.2	0.0
Length Wtd. (ft)	53.97	Wetted Per. (ft)		21.21	0.33
Min Ch El (ft)	595.63	Shear (lb/sq ft)		0.88	0.05
Alpha	1.00	Stream Power (lb/ft s)	219.08	0.00	0.00
Frctn Loss (ft)	1.11	Cum Volume (acre-ft)	0.20	0.38	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.11	0.52	0.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 1238.105

INPUT
Description:
Station Elevation Data num= 47

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	598.76	4.85	598.2	9.69	597.62	14.54	597.04	19.38	596.46
24.23	595.84	29.07	595.43	33.92	595.04	38.77	594.63	43.61	594.25
48.46	593.99	53.3	593.82	58.15	593.32	62.99	592.63	67.84	591.88
72.68	591.46	77.52	591.32	82.35	591.21	87.18	591.01	92.01	590.33
96.84	589.02	97.02	589.02	98.38	589.01	101.67	588.98	106.5	589.71
111.34	590.26	116.17	590.86	121	591.39	125.83	591.91	130.71	592.58
135.59	593.32	140.46	594.42	145.34	595.87	150.22	596.94	155.1	597.73
159.97	597.93	164.85	597.89	169.6	598.15	174.35	598.36	179.09	598.32
183.84	598.62	188.59	599.85	192.42	600.93	196.25	601.82	200.08	602.61
204.62	603.27	209.16	603.73						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	92.01	.035	111.34	.08

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
92.01 111.34 127.59 128.29 125.21 .1 .3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	589.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.035	
W.S. Elev (ft)	589.62	Reach Len. (ft)	127.59	128.29	125.21
Crit W.S. (ft)	589.62	Flow Area (sq ft)		5.00	
E.G. Slope (ft/ft)	0.023982	Area (sq ft)		5.00	
Q Total (cfs)	19.00	Flow (cfs)		19.00	
Top Width (ft)	11.28	Top Width (ft)		11.28	

			Left OB	Channel	Right OB
Vel Total (ft/s)	3.80	Avg. Vel. (ft/s)		3.80	
Max Chl Dpth (ft)	0.64	Hydr. Depth (ft)		0.44	
Conv. Total (cfs)	122.7	Conv. (cfs)		122.7	
Length Wtd. (ft)	128.29	Wetted Per. (ft)		11.40	
Min Ch El (ft)	588.98	Shear (lb/sq ft)		0.66	
Alpha	1.00	Stream Power (lb/ft s)	209.16	0.00	0.00
Frctn Loss (ft)	3.14	Cum Volume (acre-ft)	0.11	0.13	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.05	0.30	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	590.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.035	
W.S. Elev (ft)	589.75	Reach Len. (ft)	127.59	128.29	125.21
Crit W.S. (ft)	589.75	Flow Area (sq ft)		6.57	
E.G. Slope (ft/ft)	0.022948	Area (sq ft)		6.57	
Q Total (cfs)	27.00	Flow (cfs)		27.00	
Top Width (ft)	12.71	Top Width (ft)		12.71	
Vel Total (ft/s)	4.11	Avg. Vel. (ft/s)		4.11	
Max Chl Dpth (ft)	0.77	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	178.2	Conv. (cfs)		178.2	
Length Wtd. (ft)	128.29	Wetted Per. (ft)		12.87	
Min Ch El (ft)	588.98	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)	209.16	0.00	0.00
Frctn Loss (ft)	2.98	Cum Volume (acre-ft)	0.13	0.17	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.06	0.34	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	590.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.035	
W.S. Elev (ft)	589.94	Reach Len. (ft)	127.59	128.29	125.21
Crit W.S. (ft)	589.94	Flow Area (sq ft)		9.18	
E.G. Slope (ft/ft)	0.021755	Area (sq ft)		9.18	
Q Total (cfs)	41.00	Flow (cfs)		41.00	
Top Width (ft)	15.06	Top Width (ft)		15.06	
Vel Total (ft/s)	4.46	Avg. Vel. (ft/s)		4.46	
Max Chl Dpth (ft)	0.96	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	278.0	Conv. (cfs)		278.0	
Length Wtd. (ft)	128.29	Wetted Per. (ft)		15.25	
Min Ch El (ft)	588.98	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)	209.16	0.00	0.00
Frctn Loss (ft)	2.84	Cum Volume (acre-ft)	0.15	0.23	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.09	0.39	0.00

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	590.41	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.035	
W.S. Elev (ft)	590.07	Reach Len. (ft)	127.59	128.29	125.21
Crit W.S. (ft)	590.07	Flow Area (sq ft)		11.28	
E.G. Slope (ft/ft)	0.021055	Area (sq ft)		11.28	
Q Total (cfs)	53.00	Flow (cfs)		53.00	
Top Width (ft)	16.71	Top Width (ft)		16.71	
Vel Total (ft/s)	4.70	Avg. Vel. (ft/s)		4.70	
Max Chl Dpth (ft)	1.09	Hydr. Depth (ft)		0.67	
Conv. Total (cfs)	365.3	Conv. (cfs)		365.3	
Length Wtd. (ft)	128.29	Wetted Per. (ft)		16.92	
Min Ch El (ft)	588.98	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)	209.16	0.00	0.00
Frctn Loss (ft)	2.75	Cum Volume (acre-ft)	0.18	0.29	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.10	0.46	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	590.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.035	
W.S. Elev (ft)	590.21	Reach Len. (ft)	127.59	128.29	125.21
Crit W.S. (ft)	590.21	Flow Area (sq ft)		13.79	
E.G. Slope (ft/ft)	0.020285	Area (sq ft)		13.79	

			Left OB	Channel	Right OB
Q Total (cfs)	68.00	Flow (cfs)		68.00	
Top Width (ft)	18.49	Top Width (ft)		18.49	
Vel Total (ft/s)	4.93	Avg. Vel. (ft/s)		4.93	
Max Chl Dpth (ft)	1.23	Hydr. Depth (ft)		0.75	
Conv. Total (cfs)	477.4	Conv. (cfs)		477.4	
Length Wtd. (ft)	128.29	Wetted Per. (ft)		18.74	
Min Ch El (ft)	588.98	Shear (lb/sq ft)		0.93	
Alpha	1.00	Stream Power (lb/ft s)	209.16	0.00	0.00
Frctn Loss (ft)	2.65	Cum Volume (acre-ft)	0.20	0.37	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.11	0.50	0.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 1109.812

INPUT
Description:
Station Elevation Data num= 54

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	587.31	4.81	586.97	9.63	586.61	14.44	586.2	19.25	585.67
24.06	585.17	28.88	584.57	33.69	584.1	38.5	583.51	43.32	583.01
48.13	582.45	52.94	581.74	57.82	581.33	62.7	581.2	67.58	581.12
72.46	581.09	77.34	580.88	82.22	580.53	87.1	580.2	91.98	579.91
96.45	580.06	100.92	580.14	105.39	580.21	109.86	579.92	111.08	579.83
112.35	579.73	114.32	579.58	118.79	578.73	123.26	578.89	127.73	579.18
132.2	579.71	136.73	580.49	141.27	581.02	145.8	581.68	150.33	582.26
154.87	582.58	159.4	582.92	163.94	583.12	168.14	583.09	172.34	583.4
176.55	583.74	180.75	584.04	184.95	584.38	189.15	584.64	193.52	585.05
197.89	585.74	202.26	586.07	206.62	586.28	210.99	586.6	215.36	586.93
219.32	587.23	223.28	587.76	227.25	588.48	231.21	589.22		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	111.08	.035	132.2	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
111.08	132.2	112.3	110.99	110.93	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	579.57	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.035	
W.S. Elev (ft)	579.38	Reach Len. (ft)	112.30	110.99	110.93
Crit W.S. (ft)	579.38	Flow Area (sq ft)		5.39	
E.G. Slope (ft/ft)	0.024918	Area (sq ft)		5.39	
Q Total (cfs)	19.00	Flow (cfs)		19.00	
Top Width (ft)	14.07	Top Width (ft)		14.07	
Vel Total (ft/s)	3.52	Avg. Vel. (ft/s)		3.52	
Max Chl Dpth (ft)	0.65	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	120.4	Conv. (cfs)		120.4	
Length Wtd. (ft)	110.99	Wetted Per. (ft)		14.15	
Min Ch El (ft)	578.73	Shear (lb/sq ft)		0.59	
Alpha	1.00	Stream Power (lb/ft s)	231.21	0.00	0.00
Frctn Loss (ft)	2.71	Cum Volume (acre-ft)	0.11	0.12	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.05	0.27	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	579.72	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.035	
W.S. Elev (ft)	579.49	Reach Len. (ft)	112.30	110.99	110.93
Crit W.S. (ft)	579.49	Flow Area (sq ft)		7.07	
E.G. Slope (ft/ft)	0.023509	Area (sq ft)		7.07	
Q Total (cfs)	27.00	Flow (cfs)		27.00	
Top Width (ft)	15.61	Top Width (ft)		15.61	
Vel Total (ft/s)	3.82	Avg. Vel. (ft/s)		3.82	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	176.1	Conv. (cfs)		176.1	
Length Wtd. (ft)	110.99	Wetted Per. (ft)		15.71	
Min Ch El (ft)	578.73	Shear (lb/sq ft)		0.66	
Alpha	1.00	Stream Power (lb/ft s)	231.21	0.00	0.00
Frctn Loss (ft)	2.57	Cum Volume (acre-ft)	0.13	0.15	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.06	0.29	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	579.93	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.035	
W.S. Elev (ft)	579.66	Reach Len. (ft)	112.30	110.99	110.93
Crit W.S. (ft)	579.66	Flow Area (sq ft)		9.84	
E.G. Slope (ft/ft)	0.022493	Area (sq ft)		9.84	
Q Total (cfs)	41.00	Flow (cfs)		41.00	
Top Width (ft)	18.49	Top Width (ft)		18.49	
Vel Total (ft/s)	4.16	Avg. Vel. (ft/s)		4.16	
Max Chl Dpth (ft)	0.93	Hydr. Depth (ft)		0.53	
Conv. Total (cfs)	273.4	Conv. (cfs)		273.4	
Length Wtd. (ft)	110.99	Wetted Per. (ft)		18.61	
Min Ch El (ft)	578.73	Shear (lb/sq ft)		0.74	
Alpha	1.00	Stream Power (lb/ft s)	231.21	0.00	0.00
Frctn Loss (ft)	2.43	Cum Volume (acre-ft)	0.15	0.20	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.09	0.34	0.00

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	580.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	579.77	Reach Len. (ft)	112.30	110.99	110.93
Crit W.S. (ft)	579.77	Flow Area (sq ft)		12.04	0.01
E.G. Slope (ft/ft)	0.021847	Area (sq ft)		12.04	0.01
Q Total (cfs)	53.00	Flow (cfs)		53.00	0.00
Top Width (ft)	20.73	Top Width (ft)		20.38	0.36
Vel Total (ft/s)	4.40	Avg. Vel. (ft/s)		4.40	0.27
Max Chl Dpth (ft)	1.04	Hydr. Depth (ft)		0.59	0.03
Conv. Total (cfs)	358.6	Conv. (cfs)		358.6	0.0
Length Wtd. (ft)	110.99	Wetted Per. (ft)		20.51	0.36
Min Ch El (ft)	578.73	Shear (lb/sq ft)		0.80	0.04
Alpha	1.00	Stream Power (lb/ft s)	231.21	0.00	0.00
Frctn Loss (ft)	2.30	Cum Volume (acre-ft)	0.18	0.26	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.10	0.40	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	580.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	579.88	Reach Len. (ft)	112.30	110.99	110.93
Crit W.S. (ft)	579.88	Flow Area (sq ft)	0.02	14.33	0.08
E.G. Slope (ft/ft)	0.021089	Area (sq ft)	0.02	14.33	0.08
Q Total (cfs)	68.00	Flow (cfs)	0.00	67.95	0.04
Top Width (ft)	22.80	Top Width (ft)	0.69	21.12	0.99
Vel Total (ft/s)	4.71	Avg. Vel. (ft/s)	0.23	4.74	0.52
Max Chl Dpth (ft)	1.15	Hydr. Depth (ft)	0.03	0.68	0.09
Conv. Total (cfs)	468.2	Conv. (cfs)	0.0	467.9	0.3
Length Wtd. (ft)	110.99	Wetted Per. (ft)	0.69	21.25	1.01
Min Ch El (ft)	578.73	Shear (lb/sq ft)	0.03	0.89	0.11
Alpha	1.01	Stream Power (lb/ft s)	231.21	0.00	0.00
Frctn Loss (ft)	2.21	Cum Volume (acre-ft)	0.20	0.33	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.11	0.44	0.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 998.8233

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	572.88	4.56	572.52	9.12	572.16	13.67	571.5	18.23	570.88
22.79	570.42	27.35	569.87	31.91	569.83	36.47	569.67	41.16	569.48
45.85	569.23	50.54	569.17	55.23	569.21	59.92	569.41	64.61	569.54
69.3	569.89	74	570.15	78.69	570.24	83.38	570.28	88.07	570.36
92.76	570.57	97.45	570.68	102.14	570.18	106.73	569.57	111.33	568.79
113.75	568.53	115.2	568.38	115.92	568.3	120.51	567.33	125.1	567.07
129.62	568.04	134.14	569.12	138.66	569.98	143.18	570.72	147.7	571.39
152.35	571.89	157	572.47	161.65	572.98	165.83	573.33	170.01	573.82
174.19	574.31	178.37	574.81	182.55	575.2	186.51	575.98	190.47	576.55
194.42	576.96								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	113.75	.035	129.62	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
113.75	129.62	106.16	103.3	106.29	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	568.07	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.035	
W.S. Elev (ft)	567.83	Reach Len. (ft)	106.16	103.30	106.29
Crit W.S. (ft)	567.83	Flow Area (sq ft)		4.88	
E.G. Slope (ft/ft)	0.023931	Area (sq ft)		4.88	
Q Total (cfs)	19.00	Flow (cfs)		19.00	
Top Width (ft)	10.54	Top Width (ft)		10.54	
Vel Total (ft/s)	3.89	Avg. Vel. (ft/s)		3.89	
Max Chl Dpth (ft)	0.76	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	122.8	Conv. (cfs)		122.8	
Length Wtd. (ft)	103.30	Wetted Per. (ft)		10.68	
Min Ch El (ft)	567.07	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)	194.42	0.00	0.00
Frctn Loss (ft)	2.49	Cum Volume (acre-ft)	0.11	0.10	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.05	0.24	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	568.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.		0.035	
W.S. Elev (ft)	567.97	Reach Len. (ft)	106.16	103.30	106.29
Crit W.S. (ft)	567.97	Flow Area (sq ft)		6.41	
E.G. Slope (ft/ft)	0.022731	Area (sq ft)		6.41	
Q Total (cfs)	27.00	Flow (cfs)		27.00	
Top Width (ft)	11.83	Top Width (ft)		11.83	
Vel Total (ft/s)	4.21	Avg. Vel. (ft/s)		4.21	
Max Chl Dpth (ft)	0.90	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	179.1	Conv. (cfs)		179.1	
Length Wtd. (ft)	103.30	Wetted Per. (ft)		12.00	
Min Ch El (ft)	567.07	Shear (lb/sq ft)		0.76	
Alpha	1.00	Stream Power (lb/ft s)	194.42	0.00	0.00
Frctn Loss (ft)	2.37	Cum Volume (acre-ft)	0.13	0.13	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.06	0.26	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	568.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	568.16	Reach Len. (ft)	106.16	103.30	106.29
Crit W.S. (ft)	568.16	Flow Area (sq ft)		8.73	0.03
E.G. Slope (ft/ft)	0.021261	Area (sq ft)		8.73	0.03
Q Total (cfs)	41.00	Flow (cfs)		40.99	0.01
Top Width (ft)	13.51	Top Width (ft)		13.02	0.49
Vel Total (ft/s)	4.68	Avg. Vel. (ft/s)		4.69	0.40
Max Chl Dpth (ft)	1.09	Hydr. Depth (ft)		0.67	0.06
Conv. Total (cfs)	281.2	Conv. (cfs)		281.1	0.1
Length Wtd. (ft)	103.30	Wetted Per. (ft)		13.22	0.50
Min Ch El (ft)	567.07	Shear (lb/sq ft)		0.88	0.08
Alpha	1.01	Stream Power (lb/ft s)	194.42	0.00	0.00
Frctn Loss (ft)	2.22	Cum Volume (acre-ft)	0.15	0.18	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.09	0.30	0.00

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	568.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	568.30	Reach Len. (ft)	106.16	103.30	106.29
Crit W.S. (ft)	568.30	Flow Area (sq ft)		10.62	0.14
E.G. Slope (ft/ft)	0.019742	Area (sq ft)		10.62	0.14
Q Total (cfs)	53.00	Flow (cfs)		52.91	0.09
Top Width (ft)	14.77	Top Width (ft)		13.69	1.08
Vel Total (ft/s)	4.93	Avg. Vel. (ft/s)		4.98	0.65
Max Chl Dpth (ft)	1.23	Hydr. Depth (ft)		0.78	0.13
Conv. Total (cfs)	377.2	Conv. (cfs)		376.6	0.6
Length Wtd. (ft)	103.30	Wetted Per. (ft)		13.90	1.11
Min Ch El (ft)	567.07	Shear (lb/sq ft)		0.94	0.15
Alpha	1.02	Stream Power (lb/ft s)	194.42	0.00	0.00
Frctn Loss (ft)	2.08	Cum Volume (acre-ft)	0.18	0.23	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.10	0.36	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	568.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	568.47	Reach Len. (ft)	106.16	103.30	106.29
Crit W.S. (ft)	568.47	Flow Area (sq ft)		13.03	0.38
E.G. Slope (ft/ft)	0.018783	Area (sq ft)		13.03	0.38
Q Total (cfs)	68.00	Flow (cfs)		67.66	0.34
Top Width (ft)	17.03	Top Width (ft)		15.25	1.78
Vel Total (ft/s)	5.07	Avg. Vel. (ft/s)		5.19	0.89
Max Chl Dpth (ft)	1.40	Hydr. Depth (ft)		0.85	0.21
Conv. Total (cfs)	496.2	Conv. (cfs)		493.7	2.5
Length Wtd. (ft)	103.31	Wetted Per. (ft)		15.47	1.83
Min Ch El (ft)	567.07	Shear (lb/sq ft)		0.99	0.24
Alpha	1.04	Stream Power (lb/ft s)	194.42	0.00	0.00
Frctn Loss (ft)	2.00	Cum Volume (acre-ft)	0.20	0.29	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.10	0.39	0.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 895.5209

INPUT
Description:
Station Elevation Data num= 42

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	563.58	4.3	563.38	8.59	563.15	12.89	562.86	17.19	562.46
21.48	562.06	25.78	561.72	30.08	561.31	34.94	561.13	39.81	560.8
44.68	560.47	49.55	560.09	54.21	559.75	58.88	558.61	63.54	557.62
67.43	557.71	68.21	557.73	69.18	557.87	72.87	558.43	77.54	559.45
81.3	560.48	85.06	561.13	88.82	561.28	92.58	561.41	97.18	561.51
101.77	561.65	106.36	561.75	110.95	561.74	115.54	561.93	120.14	561.98
125.06	561.85	129.99	561.89	134.92	561.92	139.85	562.03	144.78	562.13
149.7	562.18	154.63	562.36	159.57	563.1	164.5	563.67	169.43	563.79
174.37	564.34	179.3	565.23						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	54.21	.035	77.54	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
54.21	77.54	101.5	98.35	98.55	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	558.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.		0.035	
W.S. Elev (ft)	558.29	Reach Len. (ft)	101.50	98.35	98.55
Crit W.S. (ft)	558.29	Flow Area (sq ft)		5.04	
E.G. Slope (ft/ft)	0.024370	Area (sq ft)		5.04	
Q Total (cfs)	19.00	Flow (cfs)		19.00	
Top Width (ft)	11.61	Top Width (ft)		11.61	
Vel Total (ft/s)	3.77	Avg. Vel. (ft/s)		3.77	
Max Chl Dpth (ft)	0.67	Hydr. Depth (ft)		0.43	
Conv. Total (cfs)	121.7	Conv. (cfs)		121.7	
Length Wtd. (ft)	98.35	Wetted Per. (ft)		11.72	
Min Ch El (ft)	557.62	Shear (lb/sq ft)		0.65	
Alpha	1.00	Stream Power (lb/ft s)	179.30	0.00	0.00
Frctn Loss (ft)	2.41	Cum Volume (acre-ft)	0.11	0.09	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.05	0.21	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	558.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.035	
W.S. Elev (ft)	558.42	Reach Len. (ft)	101.50	98.35	98.55
Crit W.S. (ft)	558.42	Flow Area (sq ft)		6.62	
E.G. Slope (ft/ft)	0.023193	Area (sq ft)		6.62	
Q Total (cfs)	27.00	Flow (cfs)		27.00	
Top Width (ft)	13.05	Top Width (ft)		13.05	
Vel Total (ft/s)	4.08	Avg. Vel. (ft/s)		4.08	
Max Chl Dpth (ft)	0.80	Hydr. Depth (ft)		0.51	
Conv. Total (cfs)	177.3	Conv. (cfs)		177.3	
Length Wtd. (ft)	98.35	Wetted Per. (ft)		13.19	
Min Ch El (ft)	557.62	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)	179.30	0.00	0.00
Frctn Loss (ft)	2.26	Cum Volume (acre-ft)	0.13	0.12	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.06	0.23	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	558.92	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.035	
W.S. Elev (ft)	558.60	Reach Len. (ft)	101.50	98.35	98.55
Crit W.S. (ft)	558.60	Flow Area (sq ft)		9.10	
E.G. Slope (ft/ft)	0.021752	Area (sq ft)		9.10	
Q Total (cfs)	41.00	Flow (cfs)		41.00	
Top Width (ft)	14.73	Top Width (ft)		14.73	
Vel Total (ft/s)	4.51	Avg. Vel. (ft/s)		4.51	
Max Chl Dpth (ft)	0.98	Hydr. Depth (ft)		0.62	
Conv. Total (cfs)	278.0	Conv. (cfs)		278.0	
Length Wtd. (ft)	98.35	Wetted Per. (ft)		14.90	
Min Ch El (ft)	557.62	Shear (lb/sq ft)		0.83	
Alpha	1.00	Stream Power (lb/ft s)	179.30	0.00	0.00
Frctn Loss (ft)	2.16	Cum Volume (acre-ft)	0.15	0.16	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.09	0.26	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	559.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.035	
W.S. Elev (ft)	558.73	Reach Len. (ft)	101.50	98.35	98.55
Crit W.S. (ft)	558.73	Flow Area (sq ft)		11.14	
E.G. Slope (ft/ft)	0.020524	Area (sq ft)		11.14	
Q Total (cfs)	53.00	Flow (cfs)		53.00	
Top Width (ft)	15.89	Top Width (ft)		15.89	
Vel Total (ft/s)	4.76	Avg. Vel. (ft/s)		4.76	
Max Chl Dpth (ft)	1.11	Hydr. Depth (ft)		0.70	
Conv. Total (cfs)	370.0	Conv. (cfs)		370.0	
Length Wtd. (ft)	98.35	Wetted Per. (ft)		16.10	
Min Ch El (ft)	557.62	Shear (lb/sq ft)		0.89	
Alpha	1.00	Stream Power (lb/ft s)	179.30	0.00	0.00
Frctn Loss (ft)	2.08	Cum Volume (acre-ft)	0.18	0.21	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.10	0.33	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	559.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.035	
W.S. Elev (ft)	558.87	Reach Len. (ft)	101.50	98.35	98.55
Crit W.S. (ft)	558.87	Flow Area (sq ft)		13.45	
E.G. Slope (ft/ft)	0.019899	Area (sq ft)		13.45	
Q Total (cfs)	68.00	Flow (cfs)		68.00	
Top Width (ft)	17.11	Top Width (ft)		17.11	
Vel Total (ft/s)	5.06	Avg. Vel. (ft/s)		5.06	
Max Chl Dpth (ft)	1.25	Hydr. Depth (ft)		0.79	
Conv. Total (cfs)	482.1	Conv. (cfs)		482.1	
Length Wtd. (ft)	98.35	Wetted Per. (ft)		17.34	
Min Ch El (ft)	557.62	Shear (lb/sq ft)		0.96	
Alpha	1.00	Stream Power (lb/ft s)	179.30	0.00	0.00
Frctn Loss (ft)	1.95	Cum Volume (acre-ft)	0.20	0.26	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.10	0.35	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 797.1697

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	554.97	4.38	554.71	8.76	554.15	13.13	553.56	17.51	552.88
21.89	552.14	26.27	551.28	30.64	550.35	35.02	549.6	39.76	548.59
44.51	548.39	49.25	549.72	53.99	551.12	58.73	551.94	63.59	551.98
68.45	551.38	73.31	548.45	77.43	547.13	78.17	546.89	79.11	546.95

```
  83.03  547.23   87.89  547.43   91.69  547.94   95.49  548.93   99.29  549.82
 103.09  550.68  107.65  551.59  112.21  552.21  116.77  552.52  121.33  553.11
  125.9  553.43  130.47  554.06  135.03  554.62   139.6  555.05  143.89  555.48
 148.18  555.95  152.47  556.07

Manning's n Values        num=       3
    Sta    n Val     Sta    n Val     Sta    n Val
*****************************************************
      0      .08   73.31    .035   95.49      .08

Bank Sta: Left    Right     Lengths: Left Channel    Right      Coeff Contr.    Expan.
          73.31   95.49              88.84   92.57   96.42                .1       .3
Ineffective Flow     num=      1
   Sta L    Sta R     Elev  Permanent
       0    63.56   552.03      F

CROSS SECTION OUTPUT  Profile #5-year flow
*******************************************************************************************************
* E.G. Elev (ft)            *   547.83  * Element               *   Left OB *   Channel * Right OB *
* Vel Head (ft)             *     0.20  * Wt. n-Val.            *           *     0.035 *          *
* W.S. Elev (ft)            *   547.64  * Reach Len. (ft)       *    88.84  *     92.57 *    96.42 *
* Crit W.S. (ft)            *   547.64  * Flow Area (sq ft)     *           *      5.35 *          *
* E.G. Slope (ft/ft)        * 0.024615  * Area (sq ft)          *           *      5.35 *          *
* Q Total (cfs)             *    19.00  * Flow (cfs)            *           *     19.00 *          *
* Top Width (ft)            *    13.60  * Top Width (ft)        *           *     13.60 *          *
* Vel Total (ft/s)          *     3.55  * Avg. Vel. (ft/s)      *           *      3.55 *          *
* Max Chl Dpth (ft)         *     0.75  * Hydr. Depth (ft)      *           *      0.39 *          *
* Conv. Total (cfs)         *    121.1  * Conv. (cfs)           *           *     121.1 *          *
* Length Wtd. (ft)          *    92.57  * Wetted Per. (ft)      *           *     13.74 *          *
* Min Ch El (ft)            *   546.89  * Shear (lb/sq ft)      *           *      0.60 *          *
* Alpha                     *     1.00  * Stream Power (lb/ft s) *  152.47  *      0.00 *     0.00 *
* Frctn Loss (ft)           *     2.21  * Cum Volume (acre-ft)  *     0.11  *      0.08 *     0.02 *
* C & E Loss (ft)           *     0.00  * Cum SA (acres)        *     0.05  *      0.18 *          *
*******************************************************************************************************

Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The program
         defaulted to critical depth.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT  Profile #10-year flow
*******************************************************************************************************
* E.G. Elev (ft)            *   547.99  * Element               *   Left OB *   Channel * Right OB *
* Vel Head (ft)             *     0.23  * Wt. n-Val.            *           *     0.035 *          *
* W.S. Elev (ft)            *   547.75  * Reach Len. (ft)       *    88.84  *     92.57 *    96.42 *
* Crit W.S. (ft)            *   547.75  * Flow Area (sq ft)     *           *      6.99 *          *
* E.G. Slope (ft/ft)        * 0.022849  * Area (sq ft)          *           *      6.99 *          *
* Q Total (cfs)             *    27.00  * Flow (cfs)            *           *     27.00 *          *
* Top Width (ft)            *    14.82  * Top Width (ft)        *           *     14.82 *          *
* Vel Total (ft/s)          *     3.86  * Avg. Vel. (ft/s)      *           *      3.86 *          *
* Max Chl Dpth (ft)         *     0.86  * Hydr. Depth (ft)      *           *      0.47 *          *
* Conv. Total (cfs)         *    178.6  * Conv. (cfs)           *           *     178.6 *          *
* Length Wtd. (ft)          *    92.57  * Wetted Per. (ft)      *           *     14.99 *          *
* Min Ch El (ft)            *   546.89  * Shear (lb/sq ft)      *           *      0.67 *          *
* Alpha                     *     1.00  * Stream Power (lb/ft s) *  152.47  *      0.00 *     0.00 *
* Frctn Loss (ft)           *     2.05  * Cum Volume (acre-ft)  *     0.13  *      0.10 *     0.02 *
* C & E Loss (ft)           *     0.00  * Cum SA (acres)        *     0.06  *      0.20 *          *
*******************************************************************************************************

Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The program
         defaulted to critical depth.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT  Profile #25-year flow
*******************************************************************************************************
* E.G. Elev (ft)            *   548.20  * Element               *   Left OB *   Channel * Right OB *
* Vel Head (ft)             *     0.29  * Wt. n-Val.            *           *     0.035 *          *
* W.S. Elev (ft)            *   547.91  * Reach Len. (ft)       *    88.84  *     92.57 *    96.42 *
* Crit W.S. (ft)            *   547.91  * Flow Area (sq ft)     *           *      9.47 *          *
* E.G. Slope (ft/ft)        * 0.022140  * Area (sq ft)          *           *      9.47 *          *
* Q Total (cfs)             *    41.00  * Flow (cfs)            *           *     41.00 *          *
* Top Width (ft)            *    16.49  * Top Width (ft)        *           *     16.49 *          *
* Vel Total (ft/s)          *     4.33  * Avg. Vel. (ft/s)      *           *      4.33 *          *
* Max Chl Dpth (ft)         *     1.02  * Hydr. Depth (ft)      *           *      0.57 *          *
* Conv. Total (cfs)         *    275.5  * Conv. (cfs)           *           *     275.5 *          *
* Length Wtd. (ft)          *    92.57  * Wetted Per. (ft)      *           *     16.70 *          *
* Min Ch El (ft)            *   546.89  * Shear (lb/sq ft)      *           *      0.78 *          *
* Alpha                     *     1.00  * Stream Power (lb/ft s) *  152.47  *      0.00 *     0.00 *
* Frctn Loss (ft)           *     1.98  * Cum Volume (acre-ft)  *     0.15  *      0.14 *     0.02 *
* C & E Loss (ft)           *     0.00  * Cum SA (acres)        *     0.09  *      0.23 *          *
*******************************************************************************************************

Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The program
         defaulted to critical depth.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT  Profile #50-year flow
*******************************************************************************************************
* E.G. Elev (ft)            *   548.36  * Element               *   Left OB *   Channel * Right OB *
* Vel Head (ft)             *     0.34  * Wt. n-Val.            *           *     0.035 *          *
* W.S. Elev (ft)            *   548.02  * Reach Len. (ft)       *    88.84  *     92.57 *    96.42 *
* Crit W.S. (ft)            *   548.02  * Flow Area (sq ft)     *           *     11.33 *          *
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```
* E.G. Slope (ft/ft)     *0.021809  * Area (sq ft)          *           *   11.33  *          *
* Q Total (cfs)          *   53.00  * Flow (cfs)            *           *   53.00  *          *
* Top Width (ft)         *   17.36  * Top Width (ft)        *           *   17.36  *          *
* Vel Total (ft/s)       *    4.68  * Avg. Vel. (ft/s)      *           *    4.68  *          *
* Max Chl Dpth (ft)      *    1.13  * Hydr. Depth (ft)      *           *    0.65  *          *
* Conv. Total (cfs)      *   358.9  * Conv. (cfs)           *           *   358.9  *          *
* Length Wtd. (ft)       *   92.57  * Wetted Per. (ft)      *           *   17.60  *          *
* Min Ch El (ft)         *  546.89  * Shear (lb/sq ft)      *           *    0.88  *          *
* Alpha                  *    1.00  * Stream Power (lb/ft s)*   152.47  *    0.00  *    0.00  *
* Frctn Loss (ft)        *    1.95  * Cum Volume (acre-ft)  *     0.18  *    0.18  *    0.03  *
* C & E Loss (ft)        *    0.00  * Cum SA (acres)        *     0.10  *    0.29  *    0.02  *
*********************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #100-year flow

```
*********************************************************************************************
* E.G. Elev (ft)         *  548.54  * Element               *  Left OB  * Channel  * Right OB *
* Vel Head (ft)          *    0.37  * Wt. n-Val.            *           *   0.035  *          *
* W.S. Elev (ft)         *  548.16  * Reach Len. (ft)       *    88.84  *   92.57  *   96.42  *
* Crit W.S. (ft)         *  548.16  * Flow Area (sq ft)     *           *   13.86  *          *
* E.G. Slope (ft/ft)     *0.019805  * Area (sq ft)          *           *   13.86  *          *
* Q Total (cfs)          *   68.00  * Flow (cfs)            *           *   68.00  *          *
* Top Width (ft)         *   18.34  * Top Width (ft)        *           *   18.34  *          *
* Vel Total (ft/s)       *    4.91  * Avg. Vel. (ft/s)      *           *    4.91  *          *
* Max Chl Dpth (ft)      *    1.27  * Hydr. Depth (ft)      *           *    0.76  *          *
* Conv. Total (cfs)      *   483.2  * Conv. (cfs)           *           *   483.2  *          *
* Length Wtd. (ft)       *   92.57  * Wetted Per. (ft)      *           *   18.62  *          *
* Min Ch El (ft)         *  546.89  * Shear (lb/sq ft)      *           *    0.92  *          *
* Alpha                  *    1.00  * Stream Power (lb/ft s)*   152.47  *    0.00  *    0.00  *
* Frctn Loss (ft)        *    1.82  * Cum Volume (acre-ft)  *     0.20  *    0.23  *    0.03  *
* C & E Loss (ft)        *    0.01  * Cum SA (acres)        *     0.10  *    0.31  *    0.03  *
*********************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 704.597

INPUT
Description:

```
Station Elevation Data   num=      40
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
*****************************************************************************************
       0   544.87    3.91   544.56    7.82   544.33   11.73   543.97   15.64   543.45
   20.56   543.03   25.47   542.68   30.39   542.22    35.3   541.88   39.53   541.57
   43.75   541.23   47.97   540.87   52.19   540.69   56.42   541.03   61.03   542.22
   65.64   543.22   70.25   543.82   74.86   543.97   79.47   543.53    84.4   542.56
   89.33   540.99   94.26   539.18   99.19   538.47    99.3   538.49  100.95   538.74
  104.12   539.23  109.05   540.47  113.98   541.33  118.55   542.19  123.13   542.73
  127.71    543.1  132.69    543.2  137.67    543.2  142.66   543.14  147.64   543.17
  152.17   543.65  156.69   544.36  161.22   545.17   164.3   546.32  167.38   547.32

Manning's n Values       num=       3
     Sta    n Val     Sta    n Val     Sta    n Val
*****************************************************
       0      .08   89.33     .035  113.98      .08

Bank Sta: Left   Right    Lengths: Left Channel   Right      Coeff Contr.    Expan.
         89.33  113.98           106.51  105.58  104.43              .1         .3
Ineffective Flow     num=       1
   Sta L    Sta R    Elev   Permanent
       0    75.14  544.07       F
```

CROSS SECTION OUTPUT Profile #5-year flow

```
*********************************************************************************************
* E.G. Elev (ft)         *  539.56  * Element               *  Left OB  * Channel  * Right OB *
* Vel Head (ft)          *    0.23  * Wt. n-Val.            *           *   0.035  *          *
* W.S. Elev (ft)         *  539.34  * Reach Len. (ft)       *   106.51  *  105.58  *  104.43  *
* Crit W.S. (ft)         *  539.34  * Flow Area (sq ft)     *           *    4.96  *          *
* E.G. Slope (ft/ft)     *0.023112  * Area (sq ft)          *           *    4.96  *          *
* Q Total (cfs)          *   19.00  * Flow (cfs)            *           *   19.00  *          *
* Top Width (ft)         *   10.70  * Top Width (ft)        *           *   10.70  *          *
* Vel Total (ft/s)       *    3.83  * Avg. Vel. (ft/s)      *           *    3.83  *          *
* Max Chl Dpth (ft)      *    0.86  * Hydr. Depth (ft)      *           *    0.46  *          *
* Conv. Total (cfs)      *   125.0  * Conv. (cfs)           *           *   125.0  *          *
* Length Wtd. (ft)       *  105.58  * Wetted Per. (ft)      *           *   10.85  *          *
* Min Ch El (ft)         *  538.47  * Shear (lb/sq ft)      *           *    0.66  *          *
* Alpha                  *    1.00  * Stream Power (lb/ft s)*   167.38  *    0.00  *    0.00  *
* Frctn Loss (ft)        *    2.48  * Cum Volume (acre-ft)  *     0.11  *    0.07  *    0.02  *
* C & E Loss (ft)        *    0.00  * Cum SA (acres)        *     0.05  *    0.15  *          *
*********************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program

defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #10-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	539.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.035	
W.S. Elev (ft)	539.47	Reach Len. (ft)	106.51	105.58	104.43
Crit W.S. (ft)	539.47	Flow Area (sq ft)		6.48	
E.G. Slope (ft/ft)	0.021399	Area (sq ft)		6.48	
Q Total (cfs)	27.00	Flow (cfs)		27.00	
Top Width (ft)	11.61	Top Width (ft)		11.61	
Vel Total (ft/s)	4.16	Avg. Vel. (ft/s)		4.16	
Max Chl Dpth (ft)	1.00	Hydr. Depth (ft)		0.56	
Conv. Total (cfs)	184.6	Conv. (cfs)		184.6	
Length Wtd. (ft)	105.58	Wetted Per. (ft)		11.80	
Min Ch El (ft)	538.47	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)	167.38	0.00	0.00
Frctn Loss (ft)	2.29	Cum Volume (acre-ft)	0.13	0.09	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.06	0.17	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #25-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	540.00	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.		0.035	
W.S. Elev (ft)	539.66	Reach Len. (ft)	106.51	105.58	104.43
Crit W.S. (ft)	539.66	Flow Area (sq ft)		8.78	
E.G. Slope (ft/ft)	0.020646	Area (sq ft)		8.78	
Q Total (cfs)	41.00	Flow (cfs)		41.00	
Top Width (ft)	12.87	Top Width (ft)		12.87	
Vel Total (ft/s)	4.67	Avg. Vel. (ft/s)		4.67	
Max Chl Dpth (ft)	1.19	Hydr. Depth (ft)		0.68	
Conv. Total (cfs)	285.3	Conv. (cfs)		285.3	
Length Wtd. (ft)	105.58	Wetted Per. (ft)		13.12	
Min Ch El (ft)	538.47	Shear (lb/sq ft)		0.86	
Alpha	1.00	Stream Power (lb/ft s)	167.38	0.00	0.00
Frctn Loss (ft)	2.20	Cum Volume (acre-ft)	0.15	0.12	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.09	0.20	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	540.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.		0.035	
W.S. Elev (ft)	539.80	Reach Len. (ft)	106.51	105.58	104.43
Crit W.S. (ft)	539.80	Flow Area (sq ft)		10.59	
E.G. Slope (ft/ft)	0.020281	Area (sq ft)		10.59	
Q Total (cfs)	53.00	Flow (cfs)		53.00	
Top Width (ft)	13.78	Top Width (ft)		13.78	
Vel Total (ft/s)	5.00	Avg. Vel. (ft/s)		5.00	
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)		0.77	
Conv. Total (cfs)	372.2	Conv. (cfs)		372.2	
Length Wtd. (ft)	105.58	Wetted Per. (ft)		14.07	
Min Ch El (ft)	538.47	Shear (lb/sq ft)		0.95	
Alpha	1.00	Stream Power (lb/ft s)	167.38	0.00	0.00
Frctn Loss (ft)	2.13	Cum Volume (acre-ft)	0.18	0.16	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.10	0.26	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	540.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.035	
W.S. Elev (ft)	539.95	Reach Len. (ft)	106.51	105.58	104.43
Crit W.S. (ft)	539.95	Flow Area (sq ft)		12.85	
E.G. Slope (ft/ft)	0.019414	Area (sq ft)		12.85	
Q Total (cfs)	68.00	Flow (cfs)		68.00	
Top Width (ft)	14.84	Top Width (ft)		14.84	
Vel Total (ft/s)	5.29	Avg. Vel. (ft/s)		5.29	
Max Chl Dpth (ft)	1.48	Hydr. Depth (ft)		0.87	
Conv. Total (cfs)	488.0	Conv. (cfs)		488.0	
Length Wtd. (ft)	105.58	Wetted Per. (ft)		15.17	
Min Ch El (ft)	538.47	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)	167.38	0.00	0.00
Frctn Loss (ft)	2.07	Cum Volume (acre-ft)	0.20	0.20	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.10	0.28	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 599.0162

INPUT
Description:
Station Elevation Data num= 38

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	531.58	4.06	530.95	8.13	530.22	12.19	529.69	16.25	528.85
20.06	527.98	23.88	527.05	27.69	526.39	32.1	526.05	36.5	526.99
40.91	528.06	45.32	529.1	49.72	529.77	54.13	529.91	58.56	529.99
62.98	529.82	67.41	529.01	71.84	527.74	74.75	527.54	76.27	527.44
76.37	527.46	80.7	528.17	85.12	528.83	89.55	529.09	93.62	529.67
97.69	530.11	101.76	530.88	105.83	530.91	109.9	531.15	113.92	531.71
117.94	532.35	121.95	533	126.67	534.14	131.39	534.21	136.11	534.65
140.83	534.7	145.6	534.98	150.38	535.59				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	67.41	.035	85.12	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
67.41	85.12	96.22	97.47	91.93	.1	.3

Ineffective Flow num= 1

Sta L	Sta R	Elev	Permanent
0	58.62	530.08	F

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	528.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.035	
W.S. Elev (ft)	528.21	Reach Len. (ft)	96.22	97.47	91.93
Crit W.S. (ft)	528.21	Flow Area (sq ft)		4.92	
E.G. Slope (ft/ft)	*0.023932	Area (sq ft)	27.70	4.92	
Q Total (cfs)	19.00	Flow (cfs)		19.00	
Top Width (ft)	33.24	Top Width (ft)	22.48	10.75	
Vel Total (ft/s)	3.86	Avg. Vel. (ft/s)		3.86	
Max Chl Dpth (ft)	2.16	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	122.8	Conv. (cfs)		122.8	
Length Wtd. (ft)	97.47	Wetted Per. (ft)		10.89	
Min Ch El (ft)	527.44	Shear (lb/sq ft)		0.67	
Alpha	1.00	Stream Power (lb/ft s)	150.38	0.00	0.00
Frctn Loss (ft)	2.34	Cum Volume (acre-ft)	0.08	0.06	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	0.13	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	528.61	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.		0.035	
W.S. Elev (ft)	528.35	Reach Len. (ft)	96.22	97.47	91.93
Crit W.S. (ft)	528.35	Flow Area (sq ft)		6.56	
E.G. Slope (ft/ft)	*0.021935	Area (sq ft)	31.00	6.56	
Q Total (cfs)	27.00	Flow (cfs)		27.00	
Top Width (ft)	35.93	Top Width (ft)	23.72	12.21	
Vel Total (ft/s)	4.12	Avg. Vel. (ft/s)		4.12	
Max Chl Dpth (ft)	2.30	Hydr. Depth (ft)		0.54	
Conv. Total (cfs)	182.3	Conv. (cfs)		182.3	
Length Wtd. (ft)	97.47	Wetted Per. (ft)		12.38	
Min Ch El (ft)	527.44	Shear (lb/sq ft)		0.73	
Alpha	1.00	Stream Power (lb/ft s)	150.38	0.00	0.00
Frctn Loss (ft)	2.17	Cum Volume (acre-ft)	0.09	0.07	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.03	0.14	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	528.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.		0.035	
W.S. Elev (ft)	528.54	Reach Len. (ft)	96.22	97.47	91.93
Crit W.S. (ft)	528.54	Flow Area (sq ft)		9.05	
E.G. Slope (ft/ft)	*0.021024	Area (sq ft)	35.65	9.05	
Q Total (cfs)	41.00	Flow (cfs)		41.00	

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			Left OB	Channel	Right OB
Top Width (ft)	39.49	Top Width (ft)	25.35	14.14	
Vel Total (ft/s)	4.53	Avg. Vel. (ft/s)		4.53	
Max Chl Dpth (ft)	2.49	Hydr. Depth (ft)		0.64	
Conv. Total (cfs)	282.8	Conv. (cfs)		282.8	
Length Wtd. (ft)	97.45	Wetted Per. (ft)		14.35	
Min Ch El (ft)	527.44	Shear (lb/sq ft)		0.83	
Alpha	1.00	Stream Power (lb/ft s)	150.38	0.00	0.00
Frctn Loss (ft)	1.91	Cum Volume (acre-ft)	0.11	0.10	0.02
C & E Loss (ft)	0.02	Cum SA (acres)	0.05	0.16	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	529.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.035	
W.S. Elev (ft)	528.68	Reach Len. (ft)	96.22	97.47	91.93
Crit W.S. (ft)	528.68	Flow Area (sq ft)		11.12	
E.G. Slope (ft/ft)	0.020125	Area (sq ft)	39.26	11.12	
Q Total (cfs)	53.00	Flow (cfs)		53.00	
Top Width (ft)	42.10	Top Width (ft)	26.55	15.56	
Vel Total (ft/s)	4.77	Avg. Vel. (ft/s)		4.77	
Max Chl Dpth (ft)	2.63	Hydr. Depth (ft)		0.71	
Conv. Total (cfs)	373.6	Conv. (cfs)		373.6	
Length Wtd. (ft)	97.43	Wetted Per. (ft)		15.80	
Min Ch El (ft)	527.44	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)	150.38	0.00	0.00
Frctn Loss (ft)	1.85	Cum Volume (acre-ft)	0.13	0.13	0.03
C & E Loss (ft)	0.03	Cum SA (acres)	0.06	0.22	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #100-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	529.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.		0.035	
W.S. Elev (ft)	528.82	Reach Len. (ft)	96.22	97.47	91.93
Crit W.S. (ft)	528.82	Flow Area (sq ft)		13.45	
E.G. Slope (ft/ft)	0.019809	Area (sq ft)	43.15	13.45	
Q Total (cfs)	68.00	Flow (cfs)		68.00	
Top Width (ft)	44.80	Top Width (ft)	27.78	17.02	
Vel Total (ft/s)	5.06	Avg. Vel. (ft/s)		5.06	
Max Chl Dpth (ft)	2.77	Hydr. Depth (ft)		0.79	
Conv. Total (cfs)	483.1	Conv. (cfs)		483.1	
Length Wtd. (ft)	97.41	Wetted Per. (ft)		17.29	
Min Ch El (ft)	527.44	Shear (lb/sq ft)		0.96	
Alpha	1.00	Stream Power (lb/ft s)	150.38	0.00	0.00
Frctn Loss (ft)	1.86	Cum Volume (acre-ft)	0.15	0.17	0.03
C & E Loss (ft)	0.03	Cum SA (acres)	0.07	0.24	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 501.542

INPUT
Description:
Station Elevation Data num= 40

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	522.26	4.35	521.56	8.7	520.77	13.05	519.71	17.4	518.67
21.75	517.73	26.1	516.77	30.71	516.26	35.32	516.2	39.92	516.35
44.53	516.59	49.14	516.26	53.75	515.58	58.35	515.27	62.5	516.56
64.63	516.95	66.43	517.28	66.64	517.32	70.78	517.7	74.92	518.05
79	518.67	83.09	519.62	87.17	520.56	91.25	520.75	95.33	520.5
99.71	520.35	104.08	520.35	108.46	520.44	112.84	520.73	117.21	520.91
121.59	521.02	125.94	521.23	130.29	521.34	134.64	521.35	138.99	521.53
143.34	521.79	147.69	522.09	151.51	522.3	155.33	522.62	159.16	523.02

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	44.53	.035	62.5	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
44.53	62.5	87.71	88.13	91.91	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	516.31	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.035	
W.S. Elev (ft)	516.08	Reach Len. (ft)	87.71	88.13	91.91
Crit W.S. (ft)	516.08	Flow Area (sq ft)		4.87	
E.G. Slope (ft/ft)	0.024142	Area (sq ft)		4.87	
Q Total (cfs)	19.00	Flow (cfs)		19.00	
Top Width (ft)	10.56	Top Width (ft)		10.56	
Vel Total (ft/s)	3.90	Avg. Vel. (ft/s)		3.90	
Max Chl Dpth (ft)	0.81	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	122.3	Conv. (cfs)		122.3	
Length Wtd. (ft)	88.13	Wetted Per. (ft)		10.72	
Min Ch El (ft)	515.27	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)	159.16	0.00	0.00
Frctn Loss (ft)	2.12	Cum Volume (acre-ft)	0.04	0.05	0.02
C & E Loss (ft)	0.00	Cum SA (acres)		0.10	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	516.49	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.	0.080	0.035	
W.S. Elev (ft)	516.22	Reach Len. (ft)	87.71	88.13	91.91
Crit W.S. (ft)	516.22	Flow Area (sq ft)	0.01	6.45	
E.G. Slope (ft/ft)	0.022619	Area (sq ft)	0.01	6.45	
Q Total (cfs)	27.00	Flow (cfs)	0.00	27.00	
Top Width (ft)	13.70	Top Width (ft)	1.74	11.96	
Vel Total (ft/s)	4.18	Avg. Vel. (ft/s)	0.11	4.18	
Max Chl Dpth (ft)	0.95	Hydr. Depth (ft)	0.01	0.54	
Conv. Total (cfs)	179.5	Conv. (cfs)	0.0	179.5	
Length Wtd. (ft)	88.13	Wetted Per. (ft)	1.74	12.16	
Min Ch El (ft)	515.27	Shear (lb/sq ft)	0.01	0.75	
Alpha	1.00	Stream Power (lb/ft s)	159.16	0.00	0.00
Frctn Loss (ft)	2.01	Cum Volume (acre-ft)	0.05	0.06	0.02
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.11	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	516.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.	0.080	0.035	
W.S. Elev (ft)	516.45	Reach Len. (ft)	87.71	88.13	91.91
Crit W.S. (ft)	516.45	Flow Area (sq ft)	2.04	9.61	
E.G. Slope (ft/ft)	0.018287	Area (sq ft)	2.04	9.61	
Q Total (cfs)	41.00	Flow (cfs)	1.51	39.49	
Top Width (ft)	28.38	Top Width (ft)	12.77	15.61	
Vel Total (ft/s)	3.52	Avg. Vel. (ft/s)	0.74	4.11	
Max Chl Dpth (ft)	1.18	Hydr. Depth (ft)	0.16	0.62	
Conv. Total (cfs)	303.2	Conv. (cfs)	11.2	292.0	
Length Wtd. (ft)	88.12	Wetted Per. (ft)	12.79	15.86	
Min Ch El (ft)	515.27	Shear (lb/sq ft)	0.18	0.69	
Alpha	1.32	Stream Power (lb/ft s)	159.16	0.00	0.00
Frctn Loss (ft)	1.75	Cum Volume (acre-ft)	0.07	0.08	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.01	0.13	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	516.83	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.	0.080	0.035	
W.S. Elev (ft)	516.57	Reach Len. (ft)	87.71	88.13	91.91
Crit W.S. (ft)	516.57	Flow Area (sq ft)	3.77	11.59	
E.G. Slope (ft/ft)	0.018029	Area (sq ft)	3.77	11.59	0.00
Q Total (cfs)	53.00	Flow (cfs)	3.56	49.44	
Top Width (ft)	33.82	Top Width (ft)	16.14	17.64	0.04
Vel Total (ft/s)	3.45	Avg. Vel. (ft/s)	0.94	4.27	
Max Chl Dpth (ft)	1.30	Hydr. Depth (ft)	0.23	0.66	
Conv. Total (cfs)	394.7	Conv. (cfs)	26.5	368.2	
Length Wtd. (ft)	88.12	Wetted Per. (ft)	16.16	17.91	
Min Ch El (ft)	515.27	Shear (lb/sq ft)	0.26	0.73	
Alpha	1.43	Stream Power (lb/ft s)	159.16	0.00	0.00
Frctn Loss (ft)	1.70	Cum Volume (acre-ft)	0.08	0.11	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.02	0.18	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	516.97	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	516.66	Reach Len. (ft)	87.71	88.13	91.91
Crit W.S. (ft)	516.66	Flow Area (sq ft)	5.37	13.28	0.03
E.G. Slope (ft/ft)	0.018363	Area (sq ft)	5.37	13.28	0.03
Q Total (cfs)	68.00	Flow (cfs)	6.15	61.84	0.01
Top Width (ft)	35.96	Top Width (ft)	17.44	17.97	0.55
Vel Total (ft/s)	3.64	Avg. Vel. (ft/s)	1.15	4.66	0.34
Max Chl Dpth (ft)	1.39	Hydr. Depth (ft)	0.31	0.74	0.05
Conv. Total (cfs)	501.8	Conv. (cfs)	45.4	456.4	0.1
Length Wtd. (ft)	88.11	Wetted Per. (ft)	17.47	18.24	0.56
Min Ch El (ft)	515.27	Shear (lb/sq ft)	0.35	0.83	0.06
Alpha	1.50	Stream Power (lb/ft s)	159.16	0.00	0.00
Frctn Loss (ft)	1.71	Cum Volume (acre-ft)	0.10	0.14	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.02	0.20	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 413.4141

INPUT
Description:
Station Elevation Data num= 53

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	517.35	4.97	516.89	9.94	516.36	14.91	516.2	19.88	516.05
24.85	515.62	29.19	515.44	33.52	515.35	37.85	515.22	42.19	515.12
46.52	514.95	50.86	514.86	55.02	515.01	59.18	515.28	63.34	515.1
67.5	515.01	72.13	514.86	76.75	515.43	81.38	515.11	86.01	515.19
90.46	514.88	94.91	515.09	99.35	515.2	103.8	515.44	108.25	515.19
112.93	514.64	117.61	512.43	122.29	510.21	126.97	509.17	127.21	509.18
129.34	509.24	131.65	509.31	136.33	510.1	141.01	510.49	145.92	510.54
150.83	510.72	155.74	510.77	160.65	511.21	164.89	511.64	169.12	512.23
173.36	512.92	177.59	513.26	181.82	513.67	186.06	513.9	190.24	514.02
194.43	513.92	198.61	513.84	202.8	514.08	206.98	514.51	211.72	514.66
216.46	514.54	221.2	514.54	225.24	514.74				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	122.29	.035	141.01	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
122.29	141.01	122.18	116.5	106.66	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	510.10	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.035	
W.S. Elev (ft)	509.87	Reach Len. (ft)	122.18	116.50	106.66
Crit W.S. (ft)	509.87	Flow Area (sq ft)		4.98	
E.G. Slope (ft/ft)	0.023966	Area (sq ft)		4.98	
Q Total (cfs)	19.00	Flow (cfs)		19.00	
Top Width (ft)	11.15	Top Width (ft)		11.15	
Vel Total (ft/s)	3.81	Avg. Vel. (ft/s)		3.81	
Max Chl Dpth (ft)	0.70	Hydr. Depth (ft)		0.45	
Conv. Total (cfs)	122.7	Conv. (cfs)		122.7	
Length Wtd. (ft)	116.50	Wetted Per. (ft)		11.28	
Min Ch El (ft)	509.17	Shear (lb/sq ft)		0.66	
Alpha	1.00	Stream Power (lb/ft s)	225.24	0.00	0.00
Frctn Loss (ft)	2.75	Cum Volume (acre-ft)	0.04	0.04	0.02
C & E Loss (ft)	0.02	Cum SA (acres)		0.08	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	510.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.27	Wt. n-Val.		0.035	
W.S. Elev (ft)	510.00	Reach Len. (ft)	122.18	116.50	106.66
Crit W.S. (ft)	510.00	Flow Area (sq ft)		6.53	
E.G. Slope (ft/ft)	0.022979	Area (sq ft)		6.53	
Q Total (cfs)	27.00	Flow (cfs)		27.00	
Top Width (ft)	12.51	Top Width (ft)		12.51	
Vel Total (ft/s)	4.14	Avg. Vel. (ft/s)		4.14	
Max Chl Dpth (ft)	0.83	Hydr. Depth (ft)		0.52	
Conv. Total (cfs)	178.1	Conv. (cfs)		178.1	
Length Wtd. (ft)	116.50	Wetted Per. (ft)		12.66	
Min Ch El (ft)	509.17	Shear (lb/sq ft)		0.74	
Alpha	1.00	Stream Power (lb/ft s)	225.24	0.00	0.00

Frctn Loss (ft)	2.74	Cum Volume (acre-ft)	0.05	0.04	0.02
C & E Loss (ft)	0.02	Cum SA (acres)		0.09	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	510.50	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.		0.035	
W.S. Elev (ft)	510.20	Reach Len. (ft)	122.18	116.50	106.66
Crit W.S. (ft)	510.20	Flow Area (sq ft)		9.20	
E.G. Slope (ft/ft)	0.021769	Area (sq ft)		9.20	
Q Total (cfs)	41.00	Flow (cfs)		41.00	
Top Width (ft)	15.13	Top Width (ft)		15.13	
Vel Total (ft/s)	4.46	Avg. Vel. (ft/s)		4.46	
Max Chl Dpth (ft)	1.03	Hydr. Depth (ft)		0.61	
Conv. Total (cfs)	277.9	Conv. (cfs)		277.9	
Length Wtd. (ft)	116.50	Wetted Per. (ft)		15.32	
Min Ch El (ft)	509.17	Shear (lb/sq ft)		0.82	
Alpha	1.00	Stream Power (lb/ft s)	225.24	0.00	0.00
Frctn Loss (ft)	2.65	Cum Volume (acre-ft)	0.07	0.06	0.02
C & E Loss (ft)	0.02	Cum SA (acres)		0.10	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	510.67	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.34	Wt. n-Val.	0.080	0.035	
W.S. Elev (ft)	510.33	Reach Len. (ft)	122.18	116.50	106.66
Crit W.S. (ft)	510.33	Flow Area (sq ft)	0.02	11.34	
E.G. Slope (ft/ft)	0.020800	Area (sq ft)	0.02	11.34	
Q Total (cfs)	53.00	Flow (cfs)	0.01	52.99	
Top Width (ft)	17.05	Top Width (ft)	0.25	16.80	
Vel Total (ft/s)	4.67	Avg. Vel. (ft/s)	0.38	4.67	
Max Chl Dpth (ft)	1.16	Hydr. Depth (ft)	0.06	0.67	
Conv. Total (cfs)	367.5	Conv. (cfs)	0.0	367.4	
Length Wtd. (ft)	116.50	Wetted Per. (ft)	0.28	16.99	
Min Ch El (ft)	509.17	Shear (lb/sq ft)	0.07	0.87	
Alpha	1.00	Stream Power (lb/ft s)	225.24	0.00	0.00
Frctn Loss (ft)	2.55	Cum Volume (acre-ft)	0.08	0.08	0.03
C & E Loss (ft)	0.03	Cum SA (acres)	0.00	0.15	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	510.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.	0.080	0.035	
W.S. Elev (ft)	510.47	Reach Len. (ft)	122.18	116.50	106.66
Crit W.S. (ft)	510.47	Flow Area (sq ft)	0.07	13.72	
E.G. Slope (ft/ft)	0.020443	Area (sq ft)	0.07	13.72	
Q Total (cfs)	68.00	Flow (cfs)	0.04	67.96	
Top Width (ft)	18.96	Top Width (ft)	0.54	18.43	
Vel Total (ft/s)	4.93	Avg. Vel. (ft/s)	0.63	4.95	
Max Chl Dpth (ft)	1.30	Hydr. Depth (ft)	0.13	0.74	
Conv. Total (cfs)	475.6	Conv. (cfs)	0.3	475.3	
Length Wtd. (ft)	116.46	Wetted Per. (ft)	0.60	18.62	
Min Ch El (ft)	509.17	Shear (lb/sq ft)	0.15	0.94	
Alpha	1.01	Stream Power (lb/ft s)	225.24	0.00	0.00
Frctn Loss (ft)	2.39	Cum Volume (acre-ft)	0.09	0.11	0.03
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	0.16	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 296.9181

INPUT
Description:
Station Elevation Data num= 45

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	508.84	4.68	508.5	9.37	508.34	14.05	508.24	18.74	508.17
23.42	508.15	28.1	508.2	32.79	508.37	37.47	508.17	42.26	507.92

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47.05	507.72	51.84	507.49	56.63	507.34	61.42	506.93	66.21	506.05
71	506.09	75.78	505.84	80.71	505.36	85.64	504.79	90.57	504.36
95.5	504.11	100.43	503.82	101.44	503.87	103.86	504	105.36	504.08
110.29	504.65	115.22	504.74	119.88	504.94	124.54	504.71	129.21	504.75
133.87	505.02	138.53	505.08	143.19	505.33	147.85	505.28	152.51	505.23
157.11	505.49	161.72	505.83	166.32	506.28	170.93	506.92	175.53	507.21
180.14	507.45	184.86	507.85	189.57	508.34	194.29	509.01	199.01	509.95

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	85.64	.035	115.22	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
85.64	115.22	100.47	128.8	133.29	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	504.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.		0.035	
W.S. Elev (ft)	504.43	Reach Len. (ft)	100.47	128.80	133.29
Crit W.S. (ft)	504.42	Flow Area (sq ft)		6.15	
E.G. Slope (ft/ft)	0.023239	Area (sq ft)		6.15	
Q Total (cfs)	19.00	Flow (cfs)		19.00	
Top Width (ft)	18.58	Top Width (ft)		18.58	
Vel Total (ft/s)	3.09	Avg. Vel. (ft/s)		3.09	
Max Chl Dpth (ft)	0.61	Hydr. Depth (ft)		0.33	
Conv. Total (cfs)	124.6	Conv. (cfs)		124.6	
Length Wtd. (ft)	128.80	Wetted Per. (ft)		18.62	
Min Ch El (ft)	503.82	Shear (lb/sq ft)		0.48	
Alpha	1.00	Stream Power (lb/ft s)	199.01	0.00	0.00
Frctn Loss (ft)	3.03	Cum Volume (acre-ft)	0.04	0.02	0.02
C & E Loss (ft)	0.04	Cum SA (acres)		0.04	

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	504.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.		0.035	
W.S. Elev (ft)	504.51	Reach Len. (ft)	100.47	128.80	133.29
Crit W.S. (ft)	504.50	Flow Area (sq ft)		7.77	
E.G. Slope (ft/ft)	0.024121	Area (sq ft)		7.77	
Q Total (cfs)	27.00	Flow (cfs)		27.00	
Top Width (ft)	20.26	Top Width (ft)		20.26	
Vel Total (ft/s)	3.47	Avg. Vel. (ft/s)		3.47	
Max Chl Dpth (ft)	0.69	Hydr. Depth (ft)		0.38	
Conv. Total (cfs)	173.8	Conv. (cfs)		173.8	
Length Wtd. (ft)	128.80	Wetted Per. (ft)		20.31	
Min Ch El (ft)	503.82	Shear (lb/sq ft)		0.58	
Alpha	1.00	Stream Power (lb/ft s)	199.01	0.00	0.00
Frctn Loss (ft)	3.13	Cum Volume (acre-ft)	0.05	0.03	0.02
C & E Loss (ft)	0.05	Cum SA (acres)		0.05	

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	504.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.		0.035	
W.S. Elev (ft)	504.64	Reach Len. (ft)	100.47	128.80	133.29
Crit W.S. (ft)	504.64	Flow Area (sq ft)		10.51	
E.G. Slope (ft/ft)	0.023813	Area (sq ft)		10.51	
Q Total (cfs)	41.00	Flow (cfs)		41.00	
Top Width (ft)	22.82	Top Width (ft)		22.82	
Vel Total (ft/s)	3.90	Avg. Vel. (ft/s)		3.90	
Max Chl Dpth (ft)	0.82	Hydr. Depth (ft)		0.46	
Conv. Total (cfs)	265.7	Conv. (cfs)		265.7	
Length Wtd. (ft)	128.80	Wetted Per. (ft)		22.89	
Min Ch El (ft)	503.82	Shear (lb/sq ft)		0.68	
Alpha	1.00	Stream Power (lb/ft s)	199.01	0.00	0.00
Frctn Loss (ft)	3.08	Cum Volume (acre-ft)	0.07	0.03	0.02
C & E Loss (ft)	0.07	Cum SA (acres)		0.05	

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	504.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.23	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	504.76	Reach Len. (ft)	100.47	128.80	133.29
Crit W.S. (ft)	504.76	Flow Area (sq ft)		13.67	0.17
E.G. Slope (ft/ft)	0.022993	Area (sq ft)		13.67	0.17
Q Total (cfs)	53.00	Flow (cfs)		52.96	0.04
Top Width (ft)	35.51	Top Width (ft)		29.23	6.28
Vel Total (ft/s)	3.83	Avg. Vel. (ft/s)		3.87	0.26
Max Chl Dpth (ft)	0.94	Hydr. Depth (ft)		0.47	0.03
Conv. Total (cfs)	349.5	Conv. (cfs)		349.2	0.3
Length Wtd. (ft)	128.80	Wetted Per. (ft)		29.30	6.28

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Min Ch El (ft)	503.82	Shear (lb/sq ft)		0.67	0.04
Alpha	1.02	Stream Power (lb/ft s)	199.01	0.00	0.00
Frctn Loss (ft)	3.12	Cum Volume (acre-ft)	0.08	0.05	0.03
C & E Loss (ft)	0.05	Cum SA (acres)		0.09	0.01

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	505.11	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.26	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	504.85	Reach Len. (ft)	100.47	128.80	133.29
Crit W.S. (ft)	504.85	Flow Area (sq ft)	0.02	16.42	1.01
E.G. Slope (ft/ft)	0.020617	Area (sq ft)	0.02	16.42	1.01
Q Total (cfs)	68.00	Flow (cfs)	0.00	67.46	0.53
Top Width (ft)	42.05	Top Width (ft)	0.54	29.58	11.93
Vel Total (ft/s)	3.90	Avg. Vel. (ft/s)	0.26	4.11	0.52
Max Chl Dpth (ft)	1.03	Hydr. Depth (ft)	0.03	0.55	0.08
Conv. Total (cfs)	473.6	Conv. (cfs)	0.0	469.9	3.7
Length Wtd. (ft)	128.82	Wetted Per. (ft)	0.54	29.65	11.94
Min Ch El (ft)	503.82	Shear (lb/sq ft)	0.04	0.71	0.11
Alpha	1.10	Stream Power (lb/ft s)	199.01	0.00	0.00
Frctn Loss (ft)	2.91	Cum Volume (acre-ft)	0.09	0.07	0.03
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	0.10	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: East_Reach RS: 168.1203

INPUT
Description:
Station Elevation Data num= 58

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	505.34	4.42	505.01	8.84	504.67	13.27	504.16	17.69	504.98
22.11	505.05	26.53	504.38	30.96	503.99	35.38	504.2	39.73	503.99
44.09	503.64	48.44	503.34	51.63	503.21	52.8	503.17	53.24	503.14
57.15	502.85	61.73	502.81	66.3	502.88	70.87	502.69	75.45	502.59
80.02	502.54	84.59	502.17	89.17	501.93	93.9	501.92	98.63	501.96
103.36	502.2	108.09	502.49	112.83	502.49	117.56	502.41	122.29	502.32
127.02	502.09	131.75	502.11	136.48	501.99	141.22	501.78	145.89	501.63
150.56	501.56	155.23	501.47	159.9	501.41	164.57	501.5	169.24	501.66
173.91	501.72	178.75	501.92	183.6	502.16	188.45	502.39	193.3	502.7
198.15	502.79	203	502.79	207.95	502.87	212.89	503	217.83	503.17
222.78	503.35	227.72	503.54	231.74	503.73	235.76	503.99	239.78	504.32
243.8	504.89	247.91	505.92	252.03	506.92				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	136.48	.035	178.75	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
136.48	178.75	69.55	168.12	65.04	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	501.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.02	Wt. n-Val.		0.035	
W.S. Elev (ft)	501.50	Reach Len. (ft)	168.00	168.00	168.00
Crit W.S. (ft)	501.50	Flow Area (sq ft)		0.47	
E.G. Slope (ft/ft)	0.039674	Area (sq ft)		0.47	
Q Total (cfs)	0.50	Flow (cfs)		0.50	
Top Width (ft)	10.46	Top Width (ft)		10.46	
Vel Total (ft/s)	1.07	Avg. Vel. (ft/s)		1.07	
Max Chl Dpth (ft)	0.09	Hydr. Depth (ft)		0.04	
Conv. Total (cfs)	2.5	Conv. (cfs)		2.5	
Length Wtd. (ft)	168.00	Wetted Per. (ft)		10.46	
Min Ch El (ft)	501.41	Shear (lb/sq ft)		0.11	
Alpha	1.00	Stream Power (lb/ft s)	252.03	0.00	0.00
Frctn Loss (ft)	1.82	Cum Volume (acre-ft)	0.04	0.01	0.02
C & E Loss (ft)	0.01	Cum SA (acres)			

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	501.51	Wt. n-Val.		0.035	
Vel Head (ft)	0.02	Reach Len. (ft)	168.00	168.00	168.00
W.S. Elev (ft)	501.50	Flow Area (sq ft)		0.47	
Crit W.S. (ft)	501.50	Area (sq ft)		0.47	
E.G. Slope (ft/ft)	0.039674	Flow (cfs)		0.50	
Q Total (cfs)	0.50	Top Width (ft)		10.46	
Top Width (ft)	10.46	Avg. Vel. (ft/s)		1.07	
Vel Total (ft/s)	1.07	Hydr. Depth (ft)		0.04	
Max Chl Dpth (ft)	0.09	Conv. (cfs)		2.5	
Conv. Total (cfs)	2.5	Wetted Per. (ft)		10.46	
Length Wtd. (ft)	168.00	Shear (lb/sq ft)		0.11	
Min Ch El (ft)	501.41	Stream Power (lb/ft s)	252.03	0.00	0.00
Alpha	1.00	Cum Volume (acre-ft)	0.05	0.01	0.02
Frctn Loss (ft)	2.30	Cum SA (acres)			
C & E Loss (ft)	0.02				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	501.51	Wt. n-Val.		0.035	
Vel Head (ft)	0.02	Reach Len. (ft)	168.00	168.00	168.00
W.S. Elev (ft)	501.50	Flow Area (sq ft)		0.47	
Crit W.S. (ft)	501.50	Area (sq ft)		0.47	
E.G. Slope (ft/ft)	0.039674	Flow (cfs)		0.50	
Q Total (cfs)	0.50	Top Width (ft)		10.46	
Top Width (ft)	10.46	Avg. Vel. (ft/s)		1.07	
Vel Total (ft/s)	1.07	Hydr. Depth (ft)		0.04	
Max Chl Dpth (ft)	0.09	Conv. (cfs)		2.5	
Conv. Total (cfs)	2.5	Wetted Per. (ft)		10.46	
Length Wtd. (ft)	168.00	Shear (lb/sq ft)		0.11	
Min Ch El (ft)	501.41	Stream Power (lb/ft s)	252.03	0.00	0.00
Alpha	1.00	Cum Volume (acre-ft)	0.07	0.01	0.02
Frctn Loss (ft)	2.95	Cum SA (acres)			
C & E Loss (ft)	0.02				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	501.78	Wt. n-Val.		0.035	
Vel Head (ft)	0.08	Reach Len. (ft)	168.00	168.00	168.00
W.S. Elev (ft)	501.70	Flow Area (sq ft)		4.49	
Crit W.S. (ft)	501.70	Area (sq ft)		4.49	
E.G. Slope (ft/ft)	0.033085	Flow (cfs)		10.00	
Q Total (cfs)	10.00	Top Width (ft)		28.93	
Top Width (ft)	28.93	Avg. Vel. (ft/s)		2.23	
Vel Total (ft/s)	2.23	Hydr. Depth (ft)		0.16	
Max Chl Dpth (ft)	0.29	Conv. (cfs)		55.0	
Conv. Total (cfs)	55.0	Wetted Per. (ft)		28.93	
Length Wtd. (ft)	168.00	Shear (lb/sq ft)		0.32	
Min Ch El (ft)	501.41	Stream Power (lb/ft s)	252.03	0.00	0.00
Alpha	1.00	Cum Volume (acre-ft)	0.08	0.02	0.03
Frctn Loss (ft)	3.64	Cum SA (acres)			
C & E Loss (ft)	0.02				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	501.99	Wt. n-Val.		0.035	
Vel Head (ft)	0.13	Reach Len. (ft)	168.00	168.00	168.00
W.S. Elev (ft)	501.85	Flow Area (sq ft)		9.63	
Crit W.S. (ft)	501.85	Area (sq ft)		9.63	
E.G. Slope (ft/ft)	0.028855	Flow (cfs)		28.00	
Q Total (cfs)	28.00	Top Width (ft)		37.63	
Top Width (ft)	37.63	Avg. Vel. (ft/s)		2.91	
Vel Total (ft/s)	2.91	Hydr. Depth (ft)		0.26	
Max Chl Dpth (ft)	0.44	Conv. (cfs)		164.8	
Conv. Total (cfs)	164.8	Wetted Per. (ft)		37.64	
Length Wtd. (ft)	168.00	Shear (lb/sq ft)		0.46	
Min Ch El (ft)	501.41	Stream Power (lb/ft s)	252.03	0.00	0.00
Alpha	1.00	Cum Volume (acre-ft)	0.09	0.03	0.03
Frctn Loss (ft)	4.38	Cum SA (acres)			
C & E Loss (ft)	0.02				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program

defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 2088.37

INPUT
Description:
Station Elevation Data num= 56

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	745.89	4.9	745.38	9.8	744.89	14.7	744.17	19.6	743.44
24.5	742.61	29.4	741.92	34.3	741.05	39.2	739.75	44.11	738.67
49.01	737.56	53.91	736.58	58.81	735.88	63.71	734.95	68.61	734.13
73.51	733.55	78.41	733.09	83.31	732.91	88.21	732.95	93.11	732.62
98.01	731.53	102.91	730.28	107.81	729.29	112.71	728.92	117.62	728.3
118.52	728.28	121.94	728.19	122.52	728.17	127.42	728.7	132.32	730.3
137.22	731.93	142.12	732.7	147.02	732.84	151.92	732.87	156.82	733.06
161.72	733.38	166.62	734.41	171.52	736.22	176.42	738.3	181.32	740.43
186.22	742.11	191.12	743.69	196.02	745.1	200.93	745.75	205.83	746.04
210.73	746.88	215.63	747.57	220.13	748.13	224.63	748.66	229.13	749.2
233.63	749.68	238.13	750.51	242.64	751.61	247.14	753.2	251.64	754.85
256.14	755.96								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	102.91	.035	132.32	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
102.91	132.32	124.04	131.14	134.32	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	729.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.035	
W.S. Elev (ft)	729.41	Reach Len. (ft)	124.04	131.14	134.32
Crit W.S. (ft)	729.41	Flow Area (sq ft)		16.71	
E.G. Slope (ft/ft)	0.020435	Area (sq ft)		16.71	
Q Total (cfs)	83.00	Flow (cfs)		83.00	
Top Width (ft)	22.37	Top Width (ft)		22.37	
Vel Total (ft/s)	4.97	Avg. Vel. (ft/s)		4.97	
Max Chl Dpth (ft)	1.24	Hydr. Depth (ft)		0.75	
Conv. Total (cfs)	580.6	Conv. (cfs)		580.6	
Length Wtd. (ft)	130.92	Wetted Per. (ft)		22.57	
Min Ch El (ft)	728.17	Shear (lb/sq ft)		0.94	
Alpha	1.00	Stream Power (lb/ft s)	256.14	0.00	0.00
Frctn Loss (ft)	2.35	Cum Volume (acre-ft)	0.05	0.78	1.02
C & E Loss (ft)	0.02	Cum SA (acres)	0.06	0.94	0.49

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	729.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.035	
W.S. Elev (ft)	729.55	Reach Len. (ft)	124.04	131.14	134.32
Crit W.S. (ft)	729.55	Flow Area (sq ft)		20.02	
E.G. Slope (ft/ft)	0.019553	Area (sq ft)		20.02	
Q Total (cfs)	106.00	Flow (cfs)		106.00	
Top Width (ft)	23.52	Top Width (ft)		23.52	
Vel Total (ft/s)	5.29	Avg. Vel. (ft/s)		5.29	
Max Chl Dpth (ft)	1.38	Hydr. Depth (ft)		0.85	
Conv. Total (cfs)	758.1	Conv. (cfs)		758.1	
Length Wtd. (ft)	130.81	Wetted Per. (ft)		23.77	
Min Ch El (ft)	728.17	Shear (lb/sq ft)		1.03	
Alpha	1.00	Stream Power (lb/ft s)	256.14	0.00	0.00
Frctn Loss (ft)	2.26	Cum Volume (acre-ft)	0.06	0.94	1.11
C & E Loss (ft)	0.02	Cum SA (acres)	0.09	1.00	0.54

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	730.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.51	Wt. n-Val.		0.035	
W.S. Elev (ft)	729.77	Reach Len. (ft)	124.04	131.14	134.32
Crit W.S. (ft)	729.77	Flow Area (sq ft)		25.27	
E.G. Slope (ft/ft)	0.018542	Area (sq ft)		25.27	
Q Total (cfs)	145.00	Flow (cfs)		145.00	
Top Width (ft)	25.24	Top Width (ft)		25.24	
Vel Total (ft/s)	5.74	Avg. Vel. (ft/s)		5.74	
Max Chl Dpth (ft)	1.60	Hydr. Depth (ft)		1.00	
Conv. Total (cfs)	1064.8	Conv. (cfs)		1064.8	
Length Wtd. (ft)	130.67	Wetted Per. (ft)		25.55	
Min Ch El (ft)	728.17	Shear (lb/sq ft)		1.14	
Alpha	1.00	Stream Power (lb/ft s)	256.14	0.00	0.00
Frctn Loss (ft)	2.18	Cum Volume (acre-ft)	0.09	1.19	1.25
C & E Loss (ft)	0.02	Cum SA (acres)	0.14	1.07	0.67

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	730.49	Wt. n-Val.		0.035	
Vel Head (ft)	0.56	Reach Len. (ft)	124.04	131.14	134.32
W.S. Elev (ft)	729.93	Flow Area (sq ft)		29.35	
Crit W.S. (ft)	729.93	Area (sq ft)		29.35	
E.G. Slope (ft/ft)	0.017927	Flow (cfs)		177.00	
Q Total (cfs)	177.00	Top Width (ft)		26.51	
Top Width (ft)	26.51	Avg. Vel. (ft/s)		6.03	
Vel Total (ft/s)	6.03	Hydr. Depth (ft)		1.11	
Max Chl Dpth (ft)	1.76	Conv. (cfs)		1321.9	
Conv. Total (cfs)	1321.9	Wetted Per. (ft)		26.85	
Length Wtd. (ft)	130.60	Shear (lb/sq ft)		1.22	
Min Ch El (ft)	728.17	Stream Power (lb/ft s)	256.14	0.00	0.00
Alpha	1.00	Cum Volume (acre-ft)	0.12	1.39	1.37
Frctn Loss (ft)	2.15	Cum SA (acres)	0.17	1.12	0.74
C & E Loss (ft)	0.02				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	730.71	Wt. n-Val.		0.035	
Vel Head (ft)	0.61	Reach Len. (ft)	124.04	131.14	134.32
W.S. Elev (ft)	730.09	Flow Area (sq ft)		33.88	
Crit W.S. (ft)	730.09	Area (sq ft)		33.88	
E.G. Slope (ft/ft)	0.017195	Flow (cfs)		213.00	
Q Total (cfs)	213.00	Top Width (ft)		27.84	
Top Width (ft)	27.84	Avg. Vel. (ft/s)		6.29	
Vel Total (ft/s)	6.29	Hydr. Depth (ft)		1.22	
Max Chl Dpth (ft)	1.92	Conv. (cfs)		1624.4	
Conv. Total (cfs)	1624.4	Wetted Per. (ft)		28.23	
Length Wtd. (ft)	130.53	Shear (lb/sq ft)		1.29	
Min Ch El (ft)	728.17	Stream Power (lb/ft s)	256.14	0.00	0.00
Alpha	1.00	Cum Volume (acre-ft)	0.16	1.59	1.51
Frctn Loss (ft)	2.06	Cum SA (acres)	0.22	1.14	0.82
C & E Loss (ft)	0.03				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1957.225

INPUT
Description:
Station Elevation Data num= 59

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	730.7	4.85	729.72	9.69	728.9	14.54	727.74	19.39	726.67
24.24	725.09	29.08	723.47	33.93	722.31	38.78	721.24	43.63	720.18
48.47	719.47	53.32	718.58	58.17	717.55	63.02	716.72	67.86	715.94
72.71	714.93	77.56	713.66	82.4	712.16	87.29	710.94	92.17	709.46
97.05	707.97	101.93	706.91	106.81	706.58	111.69	706.43	116.58	706.39
121.46	706.53	126.34	706.82	131.22	706.22	135.76	705.28	136.1	705.21
138.73	705.39	140.98	705.54	145.87	706.81	150.75	707.75	155.63	708.28
160.51	708.39	165.39	708.48	170.27	708.67	175.16	708.93	180.04	709.18
184.92	709.97	189.8	711.9	194.68	714.36	199.57	715.68	204.45	716.11
209.33	716.28	214.21	716.49	219.09	716.84	223.97	717.56	228.86	718.33
233.74	719.36	238.62	720.67	243.5	721.88	248.38	722.79	253.26	723.35
258.15	724.43	263.03	726.19	267.91	727.92	272.79	729.34		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	126.34	.035	145.87	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
126.34	145.87	112.25	142.15	161.69	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	707.11	Wt. n-Val.	0.080	0.035	
Vel Head (ft)	0.33	Reach Len. (ft)	112.25	142.15	161.69
W.S. Elev (ft)	706.78	Flow Area (sq ft)	5.57	16.32	
Crit W.S. (ft)	706.78	Area (sq ft)	5.57	16.32	
E.G. Slope (ft/ft)	0.015890	Flow (cfs)	5.24	77.76	
Q Total (cfs)	83.00	Top Width (ft)	21.87	19.11	
Top Width (ft)	40.98	Avg. Vel. (ft/s)	0.94	4.77	
Vel Total (ft/s)	3.79	Hydr. Depth (ft)	0.25	0.85	
Max Chl Dpth (ft)	1.57				

Conv. Total (cfs)	658.4	Conv. (cfs)	41.6	616.9	
Length Wtd. (ft)	141.21	Wetted Per. (ft)	21.89	19.42	
Min Ch El (ft)	705.21	Shear (lb/sq ft)	0.25	0.83	
Alpha	1.48	Stream Power (lb/ft s)	272.79	0.00	0.00
Frctn Loss (ft)	2.47	Cum Volume (acre-ft)	0.04	0.73	1.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.03	0.88	0.49

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	707.28	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.37	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	706.91	Reach Len. (ft)	112.25	142.15	161.69
Crit W.S. (ft)	706.91	Flow Area (sq ft)	8.64	18.87	0.03
E.G. Slope (ft/ft)	0.015373	Area (sq ft)	8.64	18.87	0.03
Q Total (cfs)	106.00	Flow (cfs)	9.94	96.05	0.01
Top Width (ft)	44.49	Top Width (ft)	24.42	19.53	0.53
Vel Total (ft/s)	3.85	Avg. Vel. (ft/s)	1.15	5.09	0.31
Max Chl Dpth (ft)	1.70	Hydr. Depth (ft)	0.35	0.97	0.05
Conv. Total (cfs)	854.9	Conv. (cfs)	80.2	774.7	0.1
Length Wtd. (ft)	140.75	Wetted Per. (ft)	24.45	19.84	0.54
Min Ch El (ft)	705.21	Shear (lb/sq ft)	0.34	0.91	0.05
Alpha	1.59	Stream Power (lb/ft s)	272.79	0.00	0.00
Frctn Loss (ft)	2.36	Cum Volume (acre-ft)	0.05	0.88	1.11
C & E Loss (ft)	0.01	Cum SA (acres)	0.05	0.94	0.54

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	707.52	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	707.09	Reach Len. (ft)	112.25	142.15	161.69
Crit W.S. (ft)	707.09	Flow Area (sq ft)	13.00	22.30	0.20
E.G. Slope (ft/ft)	0.015123	Area (sq ft)	13.00	22.30	0.20
Q Total (cfs)	145.00	Flow (cfs)	19.05	125.83	0.12
Top Width (ft)	46.21	Top Width (ft)	25.23	19.53	1.44
Vel Total (ft/s)	4.09	Avg. Vel. (ft/s)	1.47	5.64	0.61
Max Chl Dpth (ft)	1.88	Hydr. Depth (ft)	0.52	1.14	0.14
Conv. Total (cfs)	1179.1	Conv. (cfs)	154.9	1023.2	1.0
Length Wtd. (ft)	140.20	Wetted Per. (ft)	25.27	19.84	1.47
Min Ch El (ft)	705.21	Shear (lb/sq ft)	0.49	1.06	0.13
Alpha	1.67	Stream Power (lb/ft s)	272.79	0.00	0.00
Frctn Loss (ft)	2.25	Cum Volume (acre-ft)	0.07	1.12	1.25
C & E Loss (ft)	0.02	Cum SA (acres)	0.10	1.01	0.66

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	707.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.49	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	707.21	Reach Len. (ft)	112.25	142.15	161.69
Crit W.S. (ft)	707.21	Flow Area (sq ft)	16.18	24.74	0.42
E.G. Slope (ft/ft)	0.015125	Area (sq ft)	16.18	24.74	0.42
Q Total (cfs)	177.00	Flow (cfs)	27.05	149.62	0.33
Top Width (ft)	47.43	Top Width (ft)	25.81	19.53	2.09
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)	1.67	6.05	0.78
Max Chl Dpth (ft)	2.00	Hydr. Depth (ft)	0.63	1.27	0.20
Conv. Total (cfs)	1439.2	Conv. (cfs)	219.9	1216.6	2.7
Length Wtd. (ft)	139.89	Wetted Per. (ft)	25.86	19.84	2.13
Min Ch El (ft)	705.21	Shear (lb/sq ft)	0.59	1.18	0.19
Alpha	1.71	Stream Power (lb/ft s)	272.79	0.00	0.00
Frctn Loss (ft)	2.19	Cum Volume (acre-ft)	0.10	1.31	1.37
C & E Loss (ft)	0.02	Cum SA (acres)	0.14	1.05	0.73

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	707.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.53	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	707.36	Reach Len. (ft)	112.25	142.15	161.69
Crit W.S. (ft)	707.36	Flow Area (sq ft)	19.96	27.56	0.78
E.G. Slope (ft/ft)	0.014497	Area (sq ft)	19.96	27.56	0.78
Q Total (cfs)	213.00	Flow (cfs)	36.91	175.36	0.73

```
                                                                     CalifonFloodplainSt
* Top Width (ft)          *   48.84  * Top Width (ft)          *   26.47  *   19.53  *    2.84  *
* Vel Total (ft/s)        *    4.41  * Avg. Vel. (ft/s)        *    1.85  *    6.36  *    0.93  *
* Max Chl Dpth (ft)       *    2.15  * Hydr. Depth (ft)        *    0.75  *    1.41  *    0.27  *
* Conv. Total (cfs)       *  1769.1  * Conv. (cfs)             *   306.6  *  1456.5  *     6.0  *
* Length Wtd. (ft)        *  139.61  * Wetted Per. (ft)        *   26.54  *   19.84  *    2.90  *
* Min Ch El (ft)          *  705.21  * Shear (lb/sq ft)        *    0.68  *    1.26  *    0.24  *
* Alpha                   *    1.74  * Stream Power (lb/ft s)  *  272.79  *    0.00  *    0.00  *
* Frctn Loss (ft)         *    2.08  * Cum Volume (acre-ft)    *    0.13  *    1.50  *    1.51  *
* C & E Loss (ft)         *    0.02  * Cum SA (acres)          *    0.18  *    1.07  *    0.82  *
**************************************************************************************************

Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The program
         defaulted to critical depth.

CROSS SECTION


RIVER: Unnamed_Trib
REACH: West_Reach          RS: 1815.076

INPUT
Description:
Station Elevation Data     num=      66
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
*******************************************************************************************
       0   705.82     4.84   704.87     9.67   703.82    14.51   702.61    19.34   701.56
   24.18   700.37    29.01   699.62    33.85   698.69    38.68   697.69    43.52   697.07
   48.35   696.25    53.19   695.07    58.03   693.63    62.86   692.18     67.7   690.52
   72.53   688.58    77.37   686.42     82.2   685.14    86.01   684.91    87.04   684.85
    89.4   684.99    91.87   685.14    96.79    686.3   101.72    687.8   106.64   688.64
  111.56   688.82   116.48   688.86    121.4   688.51   126.32   687.82   131.24   687.34
  136.16   686.84   141.08   686.15      146    685.4   150.92   684.59   155.84   684.19
  160.77   684.29   165.69   684.38   170.61    684.6   175.53   684.34   180.45   683.92
  185.37   683.23   190.29   682.81   195.21   682.66   200.01   682.96   204.81   683.46
  209.61   683.74   214.41   683.75   219.21   683.38   224.01   682.94   228.81   682.47
  233.61   682.73   238.41    682.9   243.21   683.29   248.01   684.16   252.81   685.26
  257.62   686.05   262.42   686.48   267.22   686.63   272.02   687.08   276.82   687.44
  281.62   687.82   286.42   687.99   291.22   688.35   296.02   688.95   300.82   689.44
  305.62      690

Manning's n Values         num=       3
     Sta    n Val      Sta    n Val      Sta    n Val
*****************************************************
       0      .08    77.37     .035    96.79      .08

Bank Sta: Left    Right    Lengths: Left Channel    Right      Coeff Contr.     Expan.
         77.37    96.79             128.86  156.63  148.33                .1         .3
Ineffective Flow      num=        1
   Sta L    Sta R     Elev  Permanent
  111.82   305.62   688.95       F

CROSS SECTION OUTPUT  Profile #5-year flow
**************************************************************************************************
* E.G. Elev (ft)          *  686.61  * Element                 *  Left OB *  Channel * Right OB *
* Vel Head (ft)           *    0.44  * Wt. n-Val.              *          *    0.035 *          *
* W.S. Elev (ft)          *  686.17  * Reach Len. (ft)         *   128.86 *   156.63 *   148.33 *
* Crit W.S. (ft)          *  686.17  * Flow Area (sq ft)       *          *    15.59 *          *
* E.G. Slope (ft/ft)      *0.019305  * Area (sq ft)            *          *    15.59 *   273.85 *
* Q Total (cfs)           *   83.00  * Flow (cfs)              *          *    83.00 *          *
* Top Width (ft)          *  135.90  * Top Width (ft)          *          *    17.91 *   117.99 *
* Vel Total (ft/s)        *    5.32  * Avg. Vel. (ft/s)        *          *     5.32 *          *
* Max Chl Dpth (ft)       *    3.70  * Hydr. Depth (ft)        *          *     0.87 *          *
* Conv. Total (cfs)       *   597.4  * Conv. (cfs)             *          *    597.4 *          *
* Length Wtd. (ft)        *  156.63  * Wetted Per. (ft)        *          *    18.18 *          *
* Min Ch El (ft)          *  684.85  * Shear (lb/sq ft)        *          *     1.03 *          *
* Alpha                   *    1.00  * Stream Power (lb/ft s)  *   305.62 *     0.00 *     0.00 *
* Frctn Loss (ft)         *    3.13  * Cum Volume (acre-ft)    *     0.03 *     0.68 *     0.51 *
* C & E Loss (ft)         *    0.03  * Cum SA (acres)          *     0.01 *     0.82 *     0.27 *
**************************************************************************************************

Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The program
         defaulted to critical depth.
Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT  Profile #10-year flow
**************************************************************************************************
* E.G. Elev (ft)          *  686.83  * Element                 *  Left OB *  Channel * Right OB *
* Vel Head (ft)           *    0.49  * Wt. n-Val.              *          *    0.035 *    0.000 *
* W.S. Elev (ft)          *  686.34  * Reach Len. (ft)         *   128.86 *   156.63 *   148.33 *
* Crit W.S. (ft)          *  686.34  * Flow Area (sq ft)       *          *    18.84 *     0.00 *
* E.G. Slope (ft/ft)      *0.018298  * Area (sq ft)            *          *    18.84 *   294.78 *
* Q Total (cfs)           *  106.00  * Flow (cfs)              *          *   106.00 *     0.00 *
* Top Width (ft)          *  140.46  * Top Width (ft)          *          *    19.13 *   121.33 *
* Vel Total (ft/s)        *    5.62  * Avg. Vel. (ft/s)        *          *     5.63 *     0.19 *
* Max Chl Dpth (ft)       *    3.87  * Hydr. Depth (ft)        *          *     0.99 *     0.02 *
* Conv. Total (cfs)       *   783.6  * Conv. (cfs)             *          *    783.6 *      0.0 *
* Length Wtd. (ft)        *  156.63  * Wetted Per. (ft)        *          *    19.44 *     0.15 *
* Min Ch El (ft)          *  684.85  * Shear (lb/sq ft)        *          *     1.11 *          *
* Alpha                   *    1.00  * Stream Power (lb/ft s)  *   305.62 *     0.00 *     0.00 *
* Frctn Loss (ft)         *    3.01  * Cum Volume (acre-ft)    *     0.04 *     0.82 *     0.57 *
* C & E Loss (ft)         *    0.03  * Cum SA (acres)          *     0.02 *     0.87 *     0.31 *
**************************************************************************************************

Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
```

Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	687.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.60	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	686.58	Reach Len. (ft)	128.86	156.63	148.33
Crit W.S. (ft)	686.58	Flow Area (sq ft)	0.03	23.36	0.13
E.G. Slope (ft/ft)	0.017062	Area (sq ft)	0.03	23.36	323.73
Q Total (cfs)	145.00	Flow (cfs)	0.01	144.91	0.08
Top Width (ft)	148.14	Top Width (ft)	0.35	19.42	128.37
Vel Total (ft/s)	6.17	Avg. Vel. (ft/s)	0.42	6.20	0.63
Max Chl Dpth (ft)	4.11	Hydr. Depth (ft)	0.08	1.20	0.14
Conv. Total (cfs)	1110.1	Conv. (cfs)	0.1	1109.4	0.6
Length Wtd. (ft)	156.62	Wetted Per. (ft)	0.38	19.74	0.95
Min Ch El (ft)	684.85	Shear (lb/sq ft)	0.08	1.26	0.14
Alpha	1.01	Stream Power (lb/ft s)	305.62	0.00	0.00
Frctn Loss (ft)	2.79	Cum Volume (acre-ft)	0.06	1.04	0.65
C & E Loss (ft)	0.05	Cum SA (acres)	0.07	0.94	0.42

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	687.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.68	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	686.75	Reach Len. (ft)	128.86	156.63	148.33
Crit W.S. (ft)	686.75	Flow Area (sq ft)	0.12	26.73	0.33
E.G. Slope (ft/ft)	0.016170	Area (sq ft)	0.12	26.73	346.52
Q Total (cfs)	177.00	Flow (cfs)	0.08	176.64	0.28
Top Width (ft)	153.34	Top Width (ft)	0.74	19.42	133.18
Vel Total (ft/s)	6.51	Avg. Vel. (ft/s)	0.67	6.61	0.85
Max Chl Dpth (ft)	4.28	Hydr. Depth (ft)	0.16	1.38	0.22
Conv. Total (cfs)	1391.9	Conv. (cfs)	0.6	1389.1	2.2
Length Wtd. (ft)	156.60	Wetted Per. (ft)	0.81	19.74	1.55
Min Ch El (ft)	684.85	Shear (lb/sq ft)	0.15	1.37	0.22
Alpha	1.03	Stream Power (lb/ft s)	305.62	0.00	0.00
Frctn Loss (ft)	2.66	Cum Volume (acre-ft)	0.08	1.22	0.73
C & E Loss (ft)	0.05	Cum SA (acres)	0.10	0.98	0.48

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION OUTPUT Profile #100-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	687.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.76	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	686.93	Reach Len. (ft)	128.86	156.63	148.33
Crit W.S. (ft)	686.93	Flow Area (sq ft)	0.29	30.28	0.66
E.G. Slope (ft/ft)	0.015386	Area (sq ft)	0.29	30.28	371.20
Q Total (cfs)	213.00	Flow (cfs)	0.26	212.06	0.68
Top Width (ft)	157.85	Top Width (ft)	1.15	19.42	137.28
Vel Total (ft/s)	6.82	Avg. Vel. (ft/s)	0.87	7.00	1.04
Max Chl Dpth (ft)	4.46	Hydr. Depth (ft)	0.26	1.56	0.32
Conv. Total (cfs)	1717.2	Conv. (cfs)	2.1	1709.6	5.5
Length Wtd. (ft)	156.57	Wetted Per. (ft)	1.26	19.74	2.17
Min Ch El (ft)	684.85	Shear (lb/sq ft)	0.22	1.47	0.29
Alpha	1.05	Stream Power (lb/ft s)	305.62	0.00	0.00
Frctn Loss (ft)	2.53	Cum Volume (acre-ft)	0.10	1.41	0.82
C & E Loss (ft)	0.07	Cum SA (acres)	0.15	1.00	0.56

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1658.443

INPUT
Description:
Station Elevation Data num= 88

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev

CalifonFloodplainSt

0	701.94	4.95	698.64	9.91	696.53	14.86	694.39	19.82	692.37
24.77	690.98	29.72	689.42	34.68	688.13	39.63	686.54	44.58	684.94
49.54	682.96	54.49	680.81	59.45	678.85	64.4	676.67	69.35	674.77
74.25	673.74	79.14	672.25	84.03	670.02	88.93	667.98	93.82	666.49
98.71	665.08	103.61	663.97	108.5	663.21	113.39	662.15	118.29	661.1
123.18	660.14	128.07	659.11	132.97	657.64	137.86	655.81	142.75	653.88
147.65	652.1	148.45	652.06	151.65	651.9	152.54	651.86	157.44	652.61
162.33	652.2	167.22	651.5	172.12	650.7	177.01	650.31	181.9	649.3
186.89	649.33	191.87	649.64	196.86	650.15	201.84	650.57	206.83	650.94
211.82	651.38	216.8	651.72	221.79	652.03	226.77	652.35	231.76	652.56
236.74	652.89	241.73	653.23	246.72	653.69	251.7	654.25	256.69	654.71
261.67	655.15	266.66	655.83	271.64	656.29	276.63	656.8	281.61	657.25
286.6	657.56	291.59	657.95	296.57	658.54	301.56	659.04	306.54	659.68
311.53	660.27	316.51	661.01	321.5	661.35	326.49	661.85	331.47	662.75
336.46	663.1	341.44	662.64	346.43	662.12	351.41	662.19	356.4	662.39
361.38	662.7	366.37	663.28	371.36	664.82	376.34	666.26	381.33	666.97
386.31	667.72	391.3	668.35	396.28	668.74	401.27	669.03	406.26	669.4
411.24	669.87	416.23	670.3	421.21	670.71				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	167.22	.035	201.84	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
167.22	201.84	166.53	159.61	159.37	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	650.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.35	Wt. n-Val.		0.035	
W.S. Elev (ft)	650.47	Reach Len. (ft)	166.53	159.61	159.37
Crit W.S. (ft)	650.47	Flow Area (sq ft)		17.56	
E.G. Slope (ft/ft)	0.020726	Area (sq ft)		17.56	
Q Total (cfs)	83.00	Flow (cfs)		83.00	
Top Width (ft)	25.65	Top Width (ft)		25.65	
Vel Total (ft/s)	4.73	Avg. Vel. (ft/s)		4.73	
Max Chl Dpth (ft)	1.17	Hydr. Depth (ft)		0.68	
Conv. Total (cfs)	576.5	Conv. (cfs)		576.5	
Length Wtd. (ft)	159.61	Wetted Per. (ft)		25.81	
Min Ch El (ft)	649.30	Shear (lb/sq ft)		0.88	
Alpha	1.00	Stream Power (lb/ft s)	421.21	0.00	0.00
Frctn Loss (ft)	3.16	Cum Volume (acre-ft)	0.03	0.62	0.05
C & E Loss (ft)	0.02	Cum SA (acres)	0.01	0.74	0.07

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	650.99	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.38	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	650.61	Reach Len. (ft)	166.53	159.61	159.37
Crit W.S. (ft)	650.61	Flow Area (sq ft)		21.41	0.01
E.G. Slope (ft/ft)	0.020172	Area (sq ft)		21.41	0.01
Q Total (cfs)	106.00	Flow (cfs)		106.00	0.00
Top Width (ft)	29.16	Top Width (ft)		28.61	0.55
Vel Total (ft/s)	4.95	Avg. Vel. (ft/s)		4.95	0.20
Max Chl Dpth (ft)	1.31	Hydr. Depth (ft)		0.75	0.02
Conv. Total (cfs)	746.3	Conv. (cfs)		746.3	0.0
Length Wtd. (ft)	159.61	Wetted Per. (ft)		28.77	0.56
Min Ch El (ft)	649.30	Shear (lb/sq ft)		0.94	0.03
Alpha	1.00	Stream Power (lb/ft s)	421.21	0.00	0.00
Frctn Loss (ft)	3.05	Cum Volume (acre-ft)	0.04	0.75	0.06
C & E Loss (ft)	0.02	Cum SA (acres)	0.02	0.79	0.11

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	651.25	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.44	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	650.80	Reach Len. (ft)	166.53	159.61	159.37
Crit W.S. (ft)	650.80	Flow Area (sq ft)		27.06	0.36
E.G. Slope (ft/ft)	0.018642	Area (sq ft)		27.06	0.36
Q Total (cfs)	145.00	Flow (cfs)		144.78	0.22
Top Width (ft)	33.47	Top Width (ft)		30.34	3.13
Vel Total (ft/s)	5.29	Avg. Vel. (ft/s)		5.35	0.60
Max Chl Dpth (ft)	1.50	Hydr. Depth (ft)		0.89	0.12
Conv. Total (cfs)	1062.0	Conv. (cfs)		1060.4	1.6
Length Wtd. (ft)	159.61	Wetted Per. (ft)		30.52	3.14
Min Ch El (ft)	649.30	Shear (lb/sq ft)		1.03	0.13
Alpha	1.02	Stream Power (lb/ft s)	421.21	0.00	0.00
Frctn Loss (ft)	2.87	Cum Volume (acre-ft)	0.06	0.95	0.10
C & E Loss (ft)	0.02	Cum SA (acres)	0.07	0.85	0.20

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program

defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	651.43	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.49	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	650.94	Reach Len. (ft)	166.53	159.61	159.37
Crit W.S. (ft)	650.94	Flow Area (sq ft)		31.17	0.90
E.G. Slope (ft/ft)	0.017891	Area (sq ft)		31.17	0.90
Q Total (cfs)	177.00	Flow (cfs)		176.28	0.72
Top Width (ft)	36.09	Top Width (ft)		31.16	4.93
Vel Total (ft/s)	5.52	Avg. Vel. (ft/s)		5.66	0.80
Max Chl Dpth (ft)	1.64	Hydr. Depth (ft)		1.00	0.18
Conv. Total (cfs)	1323.3	Conv. (cfs)		1317.9	5.4
Length Wtd. (ft)	159.61	Wetted Per. (ft)		31.35	4.94
Min Ch El (ft)	649.30	Shear (lb/sq ft)		1.11	0.20
Alpha	1.05	Stream Power (lb/ft s)	421.21	0.00	0.00
Frctn Loss (ft)	2.78	Cum Volume (acre-ft)	0.08	1.12	0.14
C & E Loss (ft)	0.02	Cum SA (acres)	0.10	0.89	0.25

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	651.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.54	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	651.08	Reach Len. (ft)	166.53	159.61	159.37
Crit W.S. (ft)	651.08	Flow Area (sq ft)		35.71	1.73
E.G. Slope (ft/ft)	0.016945	Area (sq ft)		35.71	1.73
Q Total (cfs)	213.00	Flow (cfs)		211.29	1.71
Top Width (ft)	38.61	Top Width (ft)		32.04	6.57
Vel Total (ft/s)	5.69	Avg. Vel. (ft/s)		5.92	0.99
Max Chl Dpth (ft)	1.78	Hydr. Depth (ft)		1.11	0.26
Conv. Total (cfs)	1636.3	Conv. (cfs)		1623.1	13.2
Length Wtd. (ft)	159.61	Wetted Per. (ft)		32.25	6.59
Min Ch El (ft)	649.30	Shear (lb/sq ft)		1.17	0.28
Alpha	1.07	Stream Power (lb/ft s)	421.21	0.00	0.00
Frctn Loss (ft)	2.69	Cum Volume (acre-ft)	0.10	1.29	0.18
C & E Loss (ft)	0.03	Cum SA (acres)	0.15	0.91	0.31

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1498.833

INPUT
Description:
Station Elevation Data num= 109

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	637.08	4.71	636.06	9.41	635.22	14.12	634.31	18.83	633.21
23.53	632.03	28.24	631.1	32.95	630.5	37.66	629.32	42.36	628.04
47.07	627.14	51.78	626.35	56.48	625.71	61.19	625.38	65.9	625.09
70.6	625.02	75.31	624.21	80.02	623.76	84.96	623.3	89.9	623.25
94.85	623.42	99.79	623.56	104.73	623.36	109.68	623.04	114.62	622.66
119.56	622.04	124.51	621.37	129.45	620.8	134.39	620.2	139.34	619.57
144.28	618.9	149.15	618.55	154.03	618.23	158.9	618.24	163.78	617.32
168.44	615	168.65	614.89	172.16	614.78	173.53	614.73	178.4	615.99
183.28	617.29	188.15	618.23	193.03	619.28	197.9	619.86	202.78	620.29
207.65	620.61	212.53	620.86	217.4	620.9	222.28	620.7	227.15	620.51
232.03	620.72	236.9	621.11	241.78	621.43	246.71	621.92	251.63	622.41
256.56	622.79	261.49	623.22	266.42	623.54	271.35	623.78	276.28	624.21
281.21	624.34	286.14	624.44	291.07	624.71	296	625.08	300.92	625.51
305.85	625.72	310.78	625.93	315.71	626.18	320.64	626.41	325.57	626.58
330.5	626.74	335.43	626.87	340.36	626.95	345.28	626.99	350.21	626.96
355.14	626.93	360.07	626.93	365	626.92	369.93	627.09	374.86	627.4
379.79	627.74	384.72	628.16	389.65	628.62	394.57	628.88	399.5	629.03
404.43	629.42	409.36	629.58	414.29	629.97	419.22	630.35	424.15	630.51
429.08	630.63	434.01	630.75	438.93	630.89	443.86	631.12	448.79	631.44
453.49	631.99	458.18	632.55	462.88	633.08	467.57	633.56	472.27	634.09
476.97	634.62	481.66	634.99	486.36	635.67	491.05	636.16	495.75	636.67
500.44	637.09	505.14	637.37	509.83	637.68	514.53	638.01		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	158.9	.035	183.28	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
158.9	183.28	106.67	102.4	91.15	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	616.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.52	Wt. n-Val.		0.035	
W.S. Elev (ft)	616.32	Reach Len. (ft)	106.67	102.40	91.15
Crit W.S. (ft)	616.32	Flow Area (sq ft)		14.30	
E.G. Slope (ft/ft)	0.018883	Area (sq ft)		14.30	
Q Total (cfs)	83.00	Flow (cfs)		83.00	

```
* Top Width (ft)          *   13.86  * Top Width (ft)        *          *   13.86  *          *
* Vel Total (ft/s)        *    5.81  * Avg. Vel. (ft/s)      *          *    5.81  *          *
* Max Chl Dpth (ft)       *    1.59  * Hydr. Depth (ft)      *          *    1.03  *          *
* Conv. Total (cfs)       *   604.0  * Conv. (cfs)           *          *   604.0  *          *
* Length Wtd. (ft)        *  102.40  * Wetted Per. (ft)      *          *   14.40  *          *
* Min Ch El (ft)          *  614.73  * Shear (lb/sq ft)      *          *    1.17  *          *
* Alpha                   *    1.00  * Stream Power (lb/ft s) *  514.53 *    0.00  *    0.00  *
* Frctn Loss (ft)         *    1.93  * Cum Volume (acre-ft)  *    0.03  *    0.56  *    0.05  *
* C & E Loss (ft)         *    0.00  * Cum SA (acres)        *    0.01  *    0.67  *    0.07  *
*********************************************************************************************
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Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The program
         defaulted to critical depth.
```

```
CROSS SECTION OUTPUT  Profile #10-year flow
*********************************************************************************************
* E.G. Elev (ft)          *  617.11  * Element               * Left OB  * Channel  * Right OB *
* Vel Head (ft)           *    0.58  * Wt. n-Val.            *          *   0.035  *          *
* W.S. Elev (ft)          *  616.53  * Reach Len. (ft)       *  106.67  *  102.40  *   91.15  *
* Crit W.S. (ft)          *  616.53  * Flow Area (sq ft)     *          *   17.36  *          *
* E.G. Slope (ft/ft)      *0.018086  * Area (sq ft)          *          *   17.36  *          *
* Q Total (cfs)           *  106.00  * Flow (cfs)            *          *  106.00  *          *
* Top Width (ft)          *   15.08  * Top Width (ft)        *          *   15.08  *          *
* Vel Total (ft/s)        *    6.11  * Avg. Vel. (ft/s)      *          *    6.11  *          *
* Max Chl Dpth (ft)       *    1.80  * Hydr. Depth (ft)      *          *    1.15  *          *
* Conv. Total (cfs)       *   788.2  * Conv. (cfs)           *          *   788.2  *          *
* Length Wtd. (ft)        *  102.40  * Wetted Per. (ft)      *          *   15.70  *          *
* Min Ch El (ft)          *  614.73  * Shear (lb/sq ft)      *          *    1.25  *          *
* Alpha                   *    1.00  * Stream Power (lb/ft s) *  514.53 *    0.00  *    0.00  *
* Frctn Loss (ft)         *    1.85  * Cum Volume (acre-ft)  *    0.04  *    0.67  *    0.06  *
* C & E Loss (ft)         *    0.00  * Cum SA (acres)        *    0.02  *    0.71  *    0.10  *
*********************************************************************************************
```

```
Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The program
         defaulted to critical depth.
```

```
CROSS SECTION OUTPUT  Profile #25-year flow
*********************************************************************************************
* E.G. Elev (ft)          *  617.50  * Element               * Left OB  * Channel  * Right OB *
* Vel Head (ft)           *    0.66  * Wt. n-Val.            *          *   0.035  *          *
* W.S. Elev (ft)          *  616.83  * Reach Len. (ft)       *  106.67  *  102.40  *   91.15  *
* Crit W.S. (ft)          *  616.83  * Flow Area (sq ft)     *          *   22.16  *          *
* E.G. Slope (ft/ft)      *0.017405  * Area (sq ft)          *          *   22.16  *          *
* Q Total (cfs)           *  145.00  * Flow (cfs)            *          *  145.00  *          *
* Top Width (ft)          *   16.81  * Top Width (ft)        *          *   16.81  *          *
* Vel Total (ft/s)        *    6.54  * Avg. Vel. (ft/s)      *          *    6.54  *          *
* Max Chl Dpth (ft)       *    2.10  * Hydr. Depth (ft)      *          *    1.32  *          *
* Conv. Total (cfs)       *  1099.1  * Conv. (cfs)           *          *  1099.1  *          *
* Length Wtd. (ft)        *  102.40  * Wetted Per. (ft)      *          *   17.54  *          *
* Min Ch El (ft)          *  614.73  * Shear (lb/sq ft)      *          *    1.37  *          *
* Alpha                   *    1.00  * Stream Power (lb/ft s) *  514.53 *    0.00  *    0.00  *
* Frctn Loss (ft)         *    1.78  * Cum Volume (acre-ft)  *    0.06  *    0.86  *    0.10  *
* C & E Loss (ft)         *    0.00  * Cum SA (acres)        *    0.07  *    0.77  *    0.19  *
*********************************************************************************************
```

```
Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The program
         defaulted to critical depth.
```

```
CROSS SECTION OUTPUT  Profile #50-year flow
*********************************************************************************************
* E.G. Elev (ft)          *  617.77  * Element               * Left OB  * Channel  * Right OB *
* Vel Head (ft)           *    0.72  * Wt. n-Val.            *          *   0.035  *          *
* W.S. Elev (ft)          *  617.05  * Reach Len. (ft)       *  106.67  *  102.40  *   91.15  *
* Crit W.S. (ft)          *  617.05  * Flow Area (sq ft)     *          *   25.90  *          *
* E.G. Slope (ft/ft)      *0.016969  * Area (sq ft)          *          *   25.90  *          *
* Q Total (cfs)           *  177.00  * Flow (cfs)            *          *  177.00  *          *
* Top Width (ft)          *   18.05  * Top Width (ft)        *          *   18.05  *          *
* Vel Total (ft/s)        *    6.83  * Avg. Vel. (ft/s)      *          *    6.83  *          *
* Max Chl Dpth (ft)       *    2.32  * Hydr. Depth (ft)      *          *    1.44  *          *
* Conv. Total (cfs)       *  1358.8  * Conv. (cfs)           *          *  1358.8  *          *
* Length Wtd. (ft)        *  102.40  * Wetted Per. (ft)      *          *   18.86  *          *
* Min Ch El (ft)          *  614.73  * Shear (lb/sq ft)      *          *    1.45  *          *
* Alpha                   *    1.00  * Stream Power (lb/ft s) *  514.53 *    0.00  *    0.00  *
* Frctn Loss (ft)         *    1.74  * Cum Volume (acre-ft)  *    0.08  *    1.01  *    0.14  *
* C & E Loss (ft)         *    0.00  * Cum SA (acres)        *    0.10  *    0.80  *    0.24  *
*********************************************************************************************
```

```
Warning: The energy equation could not be balanced within the specified number of iterations.  The program used critical depth
         for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.  This may indicate the
         need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated
         water surface came back below critical depth.  This indicates that there is not a valid subcritical answer.  The program
         defaulted to critical depth.
```

```
CROSS SECTION OUTPUT  Profile #100-year flow
*********************************************************************************************
* E.G. Elev (ft)          *  618.05  * Element               * Left OB  * Channel  * Right OB *
* Vel Head (ft)           *    0.79  * Wt. n-Val.            *          *   0.035  *          *
* W.S. Elev (ft)          *  617.26  * Reach Len. (ft)       *  106.67  *  102.40  *   91.15  *
* Crit W.S. (ft)          *  617.26  * Flow Area (sq ft)     *          *   29.86  *          *
```

E.G. Slope (ft/ft)	0.016715	Area (sq ft)		29.86	
Q Total (cfs)	213.00	Flow (cfs)		213.00	
Top Width (ft)	19.27	Top Width (ft)		19.27	
Vel Total (ft/s)	7.13	Avg. Vel. (ft/s)		7.13	
Max Chl Dpth (ft)	2.53	Hydr. Depth (ft)		1.55	
Conv. Total (cfs)	1647.5	Conv. (cfs)		1647.5	
Length Wtd. (ft)	102.40	Wetted Per. (ft)		20.16	
Min Ch El (ft)	614.73	Shear (lb/sq ft)		1.55	
Alpha	1.00	Stream Power (lb/ft s)	514.53	0.00	0.00
Frctn Loss (ft)	1.71	Cum Volume (acre-ft)	0.10	1.17	0.18
C & E Loss (ft)	0.00	Cum SA (acres)	0.15	0.81	0.30

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1396.434

INPUT
Description:
Station Elevation Data num= 103

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	617.78	4.97	617.68	9.93	616.46	14.9	614.38	19.86	612.07
24.83	610.6	29.79	610.29	34.76	610.2	39.72	610.11	44.69	610.05
49.65	610.02	54.62	610	59.59	609.92	64.55	609.76	69.52	609.77
74.48	609.91	79.45	609.85	84.41	609.77	89.38	609.51	94.34	609.65
99.31	609.76	104.27	609.71	109.24	609.55	114.2	609.33	119.17	609.09
124.14	608.87	129.1	608.13	134.07	607.32	139.03	606.9	144	606.82
148.96	606.63	153.93	606.47	158.89	606.62	163.86	606.66	168.82	606.11
173.79	605.73	178.76	605.86	183.72	605.73	188.69	605.8	193.65	605.69
198.51	605.56	203.37	605.14	208.23	604.73	213.09	604.77	217.95	604.81
222.82	604.43	227.68	604.38	232.54	604.45	237.4	603.22	242.26	601.59
244.52	600.93	247.12	600.18	248.63	600.2	251.98	600.24	256.84	602.41
261.7	604.45	266.56	605.38	271.42	605.86	276.28	606.3	281.14	606.68
286	606.79	290.91	606.94	295.82	607.08	300.73	607.22	305.64	607.32
310.54	607.45	315.45	607.54	320.36	607.61	325.27	607.53	330.18	607.56
335.08	607.68	339.99	607.96	344.9	608.2	349.81	608.44	354.71	608.71
359.62	609.03	364.53	609.35	369.44	609.45	374.35	610.03	379.25	610.07
384.16	610.03	389.07	610.23	393.98	610.61	398.89	611.07	403.79	611.48
408.7	611.74	413.61	612.01	418.52	612.44	423.43	613.06	428.33	613.77
433.24	614.28	438.15	614.65	443.06	614.89	448.03	615.34	453	615.84
457.97	616.18	462.94	616.35	467.91	616.7	472.89	617.17	477.86	617.72
482.83	618.24	487.8	618.7	492.77	619.08				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	232.54	.035	261.7	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
232.54	261.7	44.71	63.74	73.16	.3	.5

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	602.27	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.53	Wt. n-Val.		0.035	
W.S. Elev (ft)	601.74	Reach Len. (ft)	44.71	63.74	73.16
Crit W.S. (ft)	601.74	Flow Area (sq ft)		14.19	
E.G. Slope (ft/ft)	0.018814	Area (sq ft)		14.19	
Q Total (cfs)	83.00	Flow (cfs)		83.00	
Top Width (ft)	13.54	Top Width (ft)		13.54	
Vel Total (ft/s)	5.85	Avg. Vel. (ft/s)		5.85	
Max Chl Dpth (ft)	1.56	Hydr. Depth (ft)		1.05	
Conv. Total (cfs)	605.1	Conv. (cfs)		605.1	
Length Wtd. (ft)	63.70	Wetted Per. (ft)		14.09	
Min Ch El (ft)	600.18	Shear (lb/sq ft)		1.18	
Alpha	1.00	Stream Power (lb/ft s)	492.77	0.00	0.00
Frctn Loss (ft)	0.11	Cum Volume (acre-ft)	0.03	0.52	0.05
C & E Loss (ft)	0.23	Cum SA (acres)	0.01	0.63	0.07

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	602.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.59	Wt. n-Val.		0.035	
W.S. Elev (ft)	601.95	Reach Len. (ft)	44.71	63.74	73.16
Crit W.S. (ft)	601.95	Flow Area (sq ft)		17.17	
E.G. Slope (ft/ft)	0.018095	Area (sq ft)		17.17	
Q Total (cfs)	106.00	Flow (cfs)		106.00	
Top Width (ft)	14.64	Top Width (ft)		14.64	
Vel Total (ft/s)	6.17	Avg. Vel. (ft/s)		6.17	
Max Chl Dpth (ft)	1.77	Hydr. Depth (ft)		1.17	
Conv. Total (cfs)	788.0	Conv. (cfs)		788.0	
Length Wtd. (ft)	63.71	Wetted Per. (ft)		15.27	
Min Ch El (ft)	600.18	Shear (lb/sq ft)		1.27	
Alpha	1.00	Stream Power (lb/ft s)	492.77	0.00	0.00

Frctn Loss (ft)	0.10	Cum Volume (acre-ft)	0.04	0.63	0.06
C & E Loss (ft)	0.25	Cum SA (acres)	0.02	0.67	0.10

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	602.94	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.68	Wt. n-Val.		0.035	
W.S. Elev (ft)	602.26	Reach Len. (ft)	44.71	63.74	73.16
Crit W.S. (ft)	602.26	Flow Area (sq ft)		21.91	
E.G. Slope (ft/ft)	0.017305	Area (sq ft)		21.91	
Q Total (cfs)	145.00	Flow (cfs)		145.00	
Top Width (ft)	16.25	Top Width (ft)		16.25	
Vel Total (ft/s)	6.62	Avg. Vel. (ft/s)		6.62	
Max Chl Dpth (ft)	2.08	Hydr. Depth (ft)		1.35	
Conv. Total (cfs)	1102.3	Conv. (cfs)		1102.3	
Length Wtd. (ft)	63.69	Wetted Per. (ft)		16.99	
Min Ch El (ft)	600.18	Shear (lb/sq ft)		1.39	
Alpha	1.00	Stream Power (lb/ft s)	492.77	0.00	0.00
Frctn Loss (ft)	0.10	Cum Volume (acre-ft)	0.06	0.81	0.10
C & E Loss (ft)	0.28	Cum SA (acres)	0.07	0.73	0.19

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	603.22	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.75	Wt. n-Val.		0.035	
W.S. Elev (ft)	602.48	Reach Len. (ft)	44.71	63.74	73.16
Crit W.S. (ft)	602.48	Flow Area (sq ft)		25.54	
E.G. Slope (ft/ft)	0.016973	Area (sq ft)		25.54	
Q Total (cfs)	177.00	Flow (cfs)		177.00	
Top Width (ft)	17.38	Top Width (ft)		17.38	
Vel Total (ft/s)	6.93	Avg. Vel. (ft/s)		6.93	
Max Chl Dpth (ft)	2.30	Hydr. Depth (ft)		1.47	
Conv. Total (cfs)	1358.6	Conv. (cfs)		1358.6	
Length Wtd. (ft)	63.75	Wetted Per. (ft)		18.21	
Min Ch El (ft)	600.18	Shear (lb/sq ft)		1.49	
Alpha	1.00	Stream Power (lb/ft s)	492.77	0.00	0.00
Frctn Loss (ft)	0.12	Cum Volume (acre-ft)	0.08	0.95	0.14
C & E Loss (ft)	0.30	Cum SA (acres)	0.10	0.76	0.24

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	603.51	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.81	Wt. n-Val.		0.035	
W.S. Elev (ft)	602.70	Reach Len. (ft)	44.71	63.74	73.16
Crit W.S. (ft)	602.70	Flow Area (sq ft)		29.51	
E.G. Slope (ft/ft)	0.016604	Area (sq ft)		29.51	
Q Total (cfs)	213.00	Flow (cfs)		213.00	
Top Width (ft)	18.57	Top Width (ft)		18.57	
Vel Total (ft/s)	7.22	Avg. Vel. (ft/s)		7.22	
Max Chl Dpth (ft)	2.52	Hydr. Depth (ft)		1.59	
Conv. Total (cfs)	1653.0	Conv. (cfs)		1653.0	
Length Wtd. (ft)	63.79	Wetted Per. (ft)		19.47	
Min Ch El (ft)	600.18	Shear (lb/sq ft)		1.57	
Alpha	1.00	Stream Power (lb/ft s)	492.77	0.00	0.00
Frctn Loss (ft)	0.14	Cum Volume (acre-ft)	0.10	1.10	0.18
C & E Loss (ft)	0.31	Cum SA (acres)	0.15	0.77	0.30

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach   RS: 1332.697

INPUT
Description:
Station Elevation Data num= 82

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	606.54	4.88	606.4	9.76	606.19	14.64	605.5	19.52	604.68
24.4	603.9	29.28	603.22	34.16	602.91	39.04	602.65	43.92	602.58
48.8	602.53	53.68	602.49	58.56	602.48	63.44	602.39	68.31	602.44
73.19	602.51	78.07	602.61	82.95	602.62	87.83	602.53	92.71	602.37
97.59	601.95	102.47	601.54	107.35	601.78	112.23	602.03	117.11	602.15
121.99	602.01	126.87	601.66	131.75	600.87	136.63	599.65	141.51	598.3
146.39	597.28	151.27	596.94	156.15	596.63	161.03	595.46	164.48	594.4
165.91	593.96	166.71	592	168.21	590	169.71	588	175.21	588
177.21	590	179.21	592	180.26	593.81	184.86	593.69	189.81	593.76
194.76	593.84	199.71	594.16	204.66	594.96	209.61	595.65	214.56	596.21
219.51	596.95	224.46	597.54	229.41	598.05	234.36	598.31	239.21	598.43
244.06	598.57	248.9	598.67	253.75	598.81	258.59	598.93	263.44	599.01
268.28	599.28	273.13	599.76	277.98	600.22	282.82	600.64	287.67	600.96
292.51	601.16	297.36	601.47	302.2	601.91	307.05	602.44	311.9	602.77
316.74	603.12	321.59	603.42	326.43	603.85	331.28	604.2	336.12	604.42
340.97	604.69	345.82	604.97	350.66	605.19	355.51	605.34	360.35	605.6
365.2	605.86	370.04	605.97						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	168.21	.035	177.21	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
168.21	177.21	32.12	27.49	13.18	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	166.7	593	F
178	370.04	593	F

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	592.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	592.31	Reach Len. (ft)	32.12	27.49	13.18
Crit W.S. (ft)	589.75	Flow Area (sq ft)	1.97	35.28	1.51
E.G. Slope (ft/ft)	0.000611	Area (sq ft)	1.98	35.28	2.65
Q Total (cfs)	83.00	Flow (cfs)	0.76	81.39	0.85
Top Width (ft)	12.81	Top Width (ft)	1.63	9.00	2.18
Vel Total (ft/s)	2.14	Avg. Vel. (ft/s)	0.39	2.31	0.56
Max Chl Dpth (ft)	4.31	Hydr. Depth (ft)	1.30	3.92	1.91
Conv. Total (cfs)	3357.3	Conv. (cfs)	30.9	3292.1	34.4
Length Wtd. (ft)	27.49	Wetted Per. (ft)	2.53	10.83	1.12
Min Ch El (ft)	588.00	Shear (lb/sq ft)	0.03	0.12	0.05
Alpha	1.14	Stream Power (lb/ft s)	370.04	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.03	0.49	0.05
C & E Loss (ft)		Cum SA (acres)	0.00	0.62	0.07

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	593.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	593.08	Reach Len. (ft)	32.12	27.49	13.18
Crit W.S. (ft)	590.02	Flow Area (sq ft)	3.36	42.21	4.50
E.G. Slope (ft/ft)	0.000534	Area (sq ft)	3.36	42.21	4.50
Q Total (cfs)	106.00	Flow (cfs)	1.36	102.58	2.06
Top Width (ft)	13.57	Top Width (ft)	1.94	9.00	2.63
Vel Total (ft/s)	2.12	Avg. Vel. (ft/s)	0.40	2.43	0.46
Max Chl Dpth (ft)	5.08	Hydr. Depth (ft)	1.73	4.69	1.71
Conv. Total (cfs)	4586.5	Conv. (cfs)	58.8	4438.6	89.1
Length Wtd. (ft)	27.49	Wetted Per. (ft)	3.67	10.83	4.08
Min Ch El (ft)	588.00	Shear (lb/sq ft)	0.03	0.13	0.04
Alpha	1.28	Stream Power (lb/ft s)	370.04	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.04	0.59	0.06
C & E Loss (ft)		Cum SA (acres)	0.02	0.65	0.10

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	594.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	594.07	Reach Len. (ft)	32.12	27.49	13.18
Crit W.S. (ft)	590.39	Flow Area (sq ft)	5.49	51.11	12.23
E.G. Slope (ft/ft)	0.000519	Area (sq ft)	5.49	51.11	12.23
Q Total (cfs)	145.00	Flow (cfs)	2.48	139.12	3.40
Top Width (ft)	32.72	Top Width (ft)	2.65	9.00	21.07
Vel Total (ft/s)	2.11	Avg. Vel. (ft/s)	0.45	2.72	0.28
Max Chl Dpth (ft)	6.07	Hydr. Depth (ft)	2.07	5.68	0.58
Conv. Total (cfs)	6362.9	Conv. (cfs)	108.8	6104.8	149.4
Length Wtd. (ft)	27.49	Wetted Per. (ft)	4.98	10.83	22.95
Min Ch El (ft)	588.00	Shear (lb/sq ft)	0.04	0.15	0.02
Alpha	1.60	Stream Power (lb/ft s)	370.04	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.05	0.76	0.09
C & E Loss (ft)		Cum SA (acres)	0.07	0.71	0.18

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	594.46	Element	Left OB	Channel	Right OB

```
                                                             CalifonFloodplainSt
* Vel Head (ft)          *     0.14  * Wt. n-Val.            *   0.080  *   0.035  *   0.080  *
* W.S. Elev (ft)         *   594.32  * Reach Len. (ft)       *   32.12  *   27.49  *   13.18  *
* Crit W.S. (ft)         *   590.69  * Flow Area (sq ft)     *    6.26  *   53.37  *   17.89  *
* E.G. Slope (ft/ft)     *0.000649   * Area (sq ft)          *    6.26  *   53.37  *   17.89  *
* Q Total (cfs)          *   177.00  * Flow (cfs)            *    3.10  *  167.19  *    6.71  *
* Top Width (ft)         *    35.94  * Top Width (ft)        *    3.46  *    9.00  *   23.48  *
* Vel Total (ft/s)       *     2.28  * Avg. Vel. (ft/s)      *    0.50  *    3.13  *    0.37  *
* Max Chl Dpth (ft)      *     6.32  * Hydr. Depth (ft)      *    1.81  *    5.93  *    0.76  *
* Conv. Total (cfs)      *   6946.2  * Conv. (cfs)           *   121.7  *  6561.2  *   263.2  *
* Length Wtd. (ft)       *    27.49  * Wetted Per. (ft)      *    5.84  *   10.83  *   25.38  *
* Min Ch El (ft)         *   588.00  * Shear (lb/sq ft)      *    0.04  *    0.20  *    0.03  *
* Alpha                  *     1.78  * Stream Power (lb/ft s) *  370.04  *    0.00  *    0.00  *
* Frctn Loss (ft)        *           * Cum Volume (acre-ft)  *    0.07  *    0.89  *    0.12  *
* C & E Loss (ft)        *           * Cum SA (acres)        *    0.10  *    0.74  *    0.22  *
*************************************************************************************************

Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT  Profile #100-year flow
*************************************************************************************************
* E.G. Elev (ft)         *   594.67  * Element               *  Left OB *  Channel * Right OB *
* Vel Head (ft)          *     0.19  * Wt. n-Val.            *   0.080  *   0.035  *   0.080  *
* W.S. Elev (ft)         *   594.48  * Reach Len. (ft)       *   32.12  *   27.49  *   13.18  *
* Crit W.S. (ft)         *   591.00  * Flow Area (sq ft)     *    6.86  *   54.82  *   21.76  *
* E.G. Slope (ft/ft)     *0.000840   * Area (sq ft)          *    6.86  *   54.82  *   21.76  *
* Q Total (cfs)          *   213.00  * Flow (cfs)            *    3.87  *  198.83  *   10.30  *
* Top Width (ft)         *    37.47  * Top Width (ft)        *    3.99  *    9.00  *   24.48  *
* Vel Total (ft/s)       *     2.55  * Avg. Vel. (ft/s)      *    0.56  *    3.63  *    0.47  *
* Max Chl Dpth (ft)      *     6.48  * Hydr. Depth (ft)      *    1.72  *    6.09  *    0.89  *
* Conv. Total (cfs)      *   7350.5  * Conv. (cfs)           *   133.6  *  6861.5  *   355.4  *
* Length Wtd. (ft)       *    27.49  * Wetted Per. (ft)      *    6.38  *   10.83  *   26.39  *
* Min Ch El (ft)         *   588.00  * Shear (lb/sq ft)      *    0.06  *    0.27  *    0.04  *
* Alpha                  *     1.89  * Stream Power (lb/ft s) *  370.04  *    0.00  *    0.00  *
* Frctn Loss (ft)        *           * Cum Volume (acre-ft)  *    0.10  *    1.04  *    0.16  *
* C & E Loss (ft)        *           * Cum SA (acres)        *    0.14  *    0.75  *    0.28  *
*************************************************************************************************

Note:    Multiple critical depths were found at this location.  The critical depth with the lowest, valid, water surface was used.

CULVERT


RIVER: Unnamed_Trib
REACH: West_Reach            RS: 1318.95

INPUT
Description: Driveway just upstream and off of Academy Street
Distance from Upstream XS =        10
Deck/Roadway Width        =        14
Weir Coefficient          =       2.6
Upstream  Deck/Roadway Coordinates
    num=      16
     Sta Hi Cord Lo Cord       Sta Hi Cord Lo Cord       Sta Hi Cord Lo Cord
******************************************************************************
  161.03      594           164.48      594           165.91      594
  166.71      594           168.21      594           169.71      594
  175.21      594           177.21      594           179.21      594
  180.26      594           184.86      594           189.81      594
  194.76      594           199.71      594           204.66      594
  209.61      594

Upstream Bridge Cross Section Data
Station Elevation Data      num=       82
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
******************************************************************************************
       0   606.54     4.88    606.4     9.76   606.19    14.64    605.5    19.52   604.68
    24.4    603.9    29.28   603.22    34.16   602.91    39.04   602.65    43.92   602.58
    48.8   602.53    53.68   602.49    58.56   602.48    63.44   602.39    68.31   602.44
   73.19   602.51    78.07   602.61    82.95   602.62    87.83   602.53    92.71   602.37
   97.59   601.95   102.47   601.54   107.35   601.78   112.23   602.03   117.11   602.15
  121.99   602.01   126.87   601.66   131.75   600.87   136.63   599.65   141.51    598.3
  146.39   597.28   151.27   596.94   156.15   596.63   161.03   595.46   164.48    594.4
  165.91   593.96   166.71      592   168.21      590   169.71      588   175.21      588
  177.21      590   179.21      592   180.26   593.81   184.86   593.69   189.81   593.76
  194.76   593.84   199.71   594.16   204.66   594.96   209.61   595.65   214.56   596.21
  219.51   596.95   224.46   597.54   229.41   598.05   234.36   598.31   239.21   598.43
  244.06   598.57    248.9   598.67   253.75   598.81   258.59   598.93   263.44   599.01
  268.28   599.28   273.13   599.76   277.98   600.22   282.82   600.64   287.67   600.96
  292.51   601.16   297.36   601.47    302.2   601.91   307.05   602.44    311.9   602.77
  316.74   603.12   321.59   603.42   326.43   603.85   331.28    604.2   336.12   604.42
  340.97   604.69   345.82   604.97   350.66   605.19   355.51   605.34   360.35    605.6
   365.2   605.86   370.04   605.97

Manning's n Values          num=        3
     Sta    n Val      Sta    n Val      Sta    n Val
******************************************************
       0      .08   168.21     .035   177.21      .08

Bank Sta: Left    Right      Coeff Contr.     Expan.
        168.21   177.21              .3          .5
Ineffective Flow       num=        2
   Sta L   Sta R    Elev  Permanent
       0   166.7     593       F
     178  370.04     593       F

Downstream  Deck/Roadway Coordinates
    num=      19
     Sta Hi Cord Lo Cord       Sta Hi Cord Lo Cord       Sta Hi Cord Lo Cord
******************************************************************************
  230.42      594           235.27      594           240.12      594
  240.14      594           243.68      594           244.97      594
  249.82      594           252.82      594           255.32      594
  263.32      594           266.27      594           270.38      594
  275.06      594           279.74      594           284.42      594
  289.09      594           293.77      594           298.45      594
  303.13      594
```

Downstream Bridge Cross Section Data
Station Elevation Data   num=   95

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	604.38	4.87	604.31	9.75	604.29	14.62	603.65	19.49	603.28
24.37	602.95	29.24	602.58	34.11	602.43	38.99	602.27	43.86	601.99
48.73	601.62	53.61	601.34	58.48	601.21	63.35	600.94	68.23	600.42
73.1	599.73	77.97	598.79	82.85	597.97	87.72	597.58	92.6	597.35
97.47	597.3	102.34	597.21	107.22	597.28	112.17	597.19	117.13	596.95
122.09	597.22	127.05	597.63	132.01	597.51	136.97	597.71	141.93	597.28
146.89	597.63	151.85	597.4	156.8	597.5	161.76	597.5	166.72	597.64
171.68	597.57	176.64	597.29	181.6	597.24	186.56	597.33	191.52	597.42
196.47	597.56	201.32	597.24	206.17	596.92	211.02	596.37	215.87	595.97
220.72	595.53	225.57	595.23	230.42	594.86	235.27	594.26	240.12	593.46
240.14	593.46	243.68	592.76	244.97	592.51	249.82	591.65	252.82	588
255.32	586.82	263.32	586.82	266.27	592.04	270.38	592.27	275.06	592.38
279.74	592.47	284.42	592.56	289.09	592.85	293.77	593.48	298.45	594.01
303.13	594.59	308.04	595.05	312.96	595.51	317.88	595.88	322.79	596.06
327.71	596.03	332.62	596.39	337.54	596.68	342.46	597.28	347.37	597.67
352.29	597.97	357.2	598.36	362.12	598.8	367.04	599.24	371.95	599.62
376.87	600.05	381.79	600.46	386.7	600.92	391.62	601.35	396.53	601.59
401.45	601.78	406.37	601.95	411.28	601.99	416.2	602.11	421.11	602.32
426.03	602.36	430.95	602.41	435.86	602.54	440.78	602.78	445.7	602.79

Manning's n Values   num=   3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	249.82	.035	266.27	.08

Bank Sta: Left	Right	Coeff Contr.	Expan.
249.82	266.27	.3	.5

Ineffective Flow   num=   2

Sta L	Sta R	Elev	Permanent
0	248.63	592.47	F
268.28	445.7	592.47	F

Upstream Embankment side slope = 0 horiz. to 1.0 vertical
Downstream Embankment side slope = 0 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .98
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Culverts = 1

Culvert Name	Shape	Rise	Span
Culvert #1	Box	5	4

FHWA Chart # 8 - flared wingwalls
FHWA Scale # 3 - Wingwall flared 0 deg. (sides extended straight)
Solution Criteria = Highest U.S. EG

Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef
10	14	.013	.035	0	.7	1

Upstream Elevation = 588
Centerline Station = 172.46
Downstream Elevation = 586.82
Centerline Station = 259.32

CULVERT OUTPUT Profile #5-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	83.00	Culv Full Len (ft)	
# Barrels	1	Culv Vel US (ft/s)	8.74
Q Barrel (cfs)	83.00	Culv Vel DS (ft/s)	12.67
E.G. US. (ft)	592.39	Culv Inv El Up (ft)	588.00
W.S. US. (ft)	592.31	Culv Inv El Dn (ft)	586.82
E.G. DS (ft)	588.95	Culv Frctn Ls (ft)	0.61
W.S. DS (ft)	588.65	Culv Exit Loss (ft)	2.00
Delta EG (ft)	3.44	Culv Entr Loss (ft)	0.83
Delta WS (ft)	3.66	Q Weir (cfs)	
E.G. IC (ft)	591.83	Weir Sta Lft (ft)	
E.G. OC (ft)	592.39	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	590.37	Weir Max Depth (ft)	
Culv WS Outlet (ft)	588.46	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	1.45	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	2.37	Min El Weir Flow (ft)	594.01

Warning: Since the culvert has supercritical flow, the program should be run in mixed flow in order to check if the cross section downstream of the culvert has supercritical flow.
Note: The flow in the culvert is entirely supercritical.

CULVERT OUTPUT Profile #10-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	106.00	Culv Full Len (ft)	
# Barrels	1	Culv Vel US (ft/s)	9.48
Q Barrel (cfs)	106.00	Culv Vel DS (ft/s)	13.52
E.G. US. (ft)	593.17	Culv Inv El Up (ft)	588.00
W.S. US. (ft)	593.08	Culv Inv El Dn (ft)	586.82
E.G. DS (ft)	589.75	Culv Frctn Ls (ft)	0.57
W.S. DS (ft)	589.56	Culv Exit Loss (ft)	1.87
Delta EG (ft)	3.42	Culv Entr Loss (ft)	0.98
Delta WS (ft)	3.51	Q Weir (cfs)	
E.G. IC (ft)	592.56	Weir Sta Lft (ft)	
E.G. OC (ft)	593.17	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	590.79	Weir Max Depth (ft)	
Culv WS Outlet (ft)	588.78	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	1.70	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	2.79	Min El Weir Flow (ft)	594.01

Warning: Since the culvert has supercritical flow, the program should be run in mixed flow in order to check if the cross section downstream of the culvert has supercritical flow.
Note: The flow in the culvert is entirely supercritical.

CULVERT OUTPUT Profile #25-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	138.56	Culv Full Len (ft)	
# Barrels	1	Culv Vel US (ft/s)	10.37
Q Barrel (cfs)	138.56	Culv Vel DS (ft/s)	14.50
E.G. US. (ft)	594.18	Culv Inv El Up (ft)	588.00
W.S. US. (ft)	594.07	Culv Inv El Dn (ft)	586.82
E.G. DS (ft)	591.05	Culv Frctn Ls (ft)	0.54
W.S. DS (ft)	590.92	Culv Exit Loss (ft)	1.42
Delta EG (ft)	3.13	Culv Entr Loss (ft)	1.17
Delta WS (ft)	3.15	Q Weir (cfs)	6.44
E.G. IC (ft)	593.51	Weir Sta Lft (ft)	165.20
E.G. OC (ft)	594.18	Weir Sta Rgt (ft)	199.83
Culvert Control	Outlet	Weir Submerg	0.00
Culv WS Inlet (ft)	591.34	Weir Max Depth (ft)	0.18
Culv WS Outlet (ft)	589.21	Weir Avg Depth (ft)	0.17
Culv Nml Depth (ft)	2.01	Weir Flow Area (sq ft)	5.93
Culv Crt Depth (ft)	3.34	Min El Weir Flow (ft)	594.01

Warning: During the culvert inlet control computations, the program could not balance the culvert/weir flow. The reported inlet energy grade answer may not be valid.
Note: The flow in the culvert is entirely supercritical.

CULVERT OUTPUT Profile #50-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	148.28	Culv Full Len (ft)	1.70
# Barrels	1	Culv Vel US (ft/s)	10.61
Q Barrel (cfs)	148.28	Culv Vel DS (ft/s)	7.41
E.G. US. (ft)	594.47	Culv Inv El Up (ft)	588.00
W.S. US. (ft)	594.32	Culv Inv El Dn (ft)	586.82
E.G. DS (ft)	592.06	Culv Frctn Ls (ft)	0.44
W.S. DS (ft)	591.95	Culv Exit Loss (ft)	0.74
Delta EG (ft)	2.40	Culv Entr Loss (ft)	1.22
Delta WS (ft)	2.37	Q Weir (cfs)	28.72
E.G. IC (ft)	594.30	Weir Sta Lft (ft)	164.25
E.G. OC (ft)	594.47	Weir Sta Rgt (ft)	201.63
Culvert Control	Outlet	Weir Submerg	0.00
Culv WS Inlet (ft)	591.49	Weir Max Depth (ft)	0.47
Culv WS Outlet (ft)	591.82	Weir Avg Depth (ft)	0.44
Culv Nml Depth (ft)	2.11	Weir Flow Area (sq ft)	16.41
Culv Crt Depth (ft)	3.49	Min El Weir Flow (ft)	594.01

Note: During the supercritical calculations a hydraulic jump occurred inside of the culvert.

CULVERT OUTPUT Profile #100-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	163.44	Culv Full Len (ft)	10.37
# Barrels	1	Culv Vel US (ft/s)	9.16
Q Barrel (cfs)	163.44	Culv Vel DS (ft/s)	8.17
E.G. US. (ft)	594.68	Culv Inv El Up (ft)	588.00
W.S. US. (ft)	594.48	Culv Inv El Dn (ft)	586.82
E.G. DS (ft)	592.71	Culv Frctn Ls (ft)	0.13
W.S. DS (ft)	592.60	Culv Exit Loss (ft)	0.92
Delta EG (ft)	1.96	Culv Entr Loss (ft)	0.91
Delta WS (ft)	1.88	Q Weir (cfs)	49.56
E.G. IC (ft)	594.62	Weir Sta Lft (ft)	163.61
E.G. OC (ft)	594.68	Weir Sta Rgt (ft)	202.84
Culvert Control	Outlet	Weir Submerg	0.00
Culv WS Inlet (ft)	592.46	Weir Max Depth (ft)	0.67
Culv WS Outlet (ft)	591.82	Weir Avg Depth (ft)	0.61
Culv Nml Depth (ft)	2.25	Weir Flow Area (sq ft)	23.91
Culv Crt Depth (ft)	3.73	Min El Weir Flow (ft)	594.01

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1305.207

INPUT
Description:
Station Elevation Data num= 95

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	604.38	4.87	604.31	9.75	604.29	14.62	603.65	19.49	603.28
24.37	602.95	29.24	602.58	34.11	602.43	38.99	602.27	43.86	601.99
48.73	601.62	53.61	601.34	58.48	601.21	63.35	600.94	68.23	600.42
73.1	599.73	77.97	598.79	82.85	597.97	87.72	597.58	92.6	597.35
97.47	597.3	102.34	597.21	107.22	597.28	112.17	597.19	117.13	596.95
122.09	597.22	127.05	597.63	132.01	597.51	136.97	597.71	141.93	597.28
146.89	597.63	151.85	597.4	156.8	597.5	161.76	597.5	166.72	597.64
171.68	597.57	176.64	597.29	181.6	597.24	186.56	597.33	191.52	597.42
196.47	597.56	201.32	597.24	206.17	596.92	211.02	596.37	215.87	595.97
220.72	595.53	225.57	595.23	230.42	594.86	235.27	594.26	240.12	593.46
240.14	593.46	243.68	592.76	244.97	592.51	249.82	591.65	252.82	588
255.32	586.82	263.32	586.82	266.27	592.04	270.38	592.27	275.06	592.38
279.74	592.47	284.42	592.56	289.09	592.85	293.77	593.48	298.45	594.01
303.13	594.59	308.04	595.05	312.96	595.51	317.88	595.88	322.79	596.06
327.71	596.03	332.62	596.39	337.54	596.68	342.46	597.28	347.37	597.67
352.29	597.97	357.2	598.36	362.12	598.8	367.04	599.24	371.95	599.62
376.87	600.05	381.79	600.46	386.7	600.92	391.62	601.35	396.53	601.59
401.45	601.78	406.37	601.95	411.28	601.99	416.2	602.11	421.11	602.32
426.03	602.36	430.95	602.41	435.86	602.54	440.78	602.78	445.7	602.79

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	249.82	.035	266.27	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
249.82	266.27	28.34	11.91	12.11	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	248.63	592.47	F
268.28	445.7	592.47	F

CROSS SECTION OUTPUT Profile #5-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	588.95	Wt. n-Val.		0.035	
Vel Head (ft)	0.30	Reach Len. (ft)	28.34	11.91	12.11
W.S. Elev (ft)	588.65	Flow Area (sq ft)		18.86	
Crit W.S. (ft)	588.20	Area (sq ft)		18.86	
E.G. Slope (ft/ft)	0.007024	Flow (cfs)		83.00	
Q Total (cfs)	83.00	Top Width (ft)		12.07	
Top Width (ft)	12.07	Avg. Vel. (ft/s)		4.40	
Vel Total (ft/s)	4.40	Hydr. Depth (ft)		1.56	
Max Chl Dpth (ft)	1.83	Conv. (cfs)		990.3	
Conv. Total (cfs)	990.3	Wetted Per. (ft)		13.71	
Length Wtd. (ft)	11.91	Shear (lb/sq ft)		0.60	
Min Ch El (ft)	586.82	Stream Power (lb/ft s)	445.70	0.00	0.00
Alpha	1.00	Cum Volume (acre-ft)	0.03	0.47	0.05
Frctn Loss (ft)	0.02	Cum SA (acres)	0.00	0.61	0.07
C & E Loss (ft)	0.11				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #10-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	589.75	Wt. n-Val.		0.035	
Vel Head (ft)	0.19	Reach Len. (ft)	28.34	11.91	12.11
W.S. Elev (ft)	589.56	Flow Area (sq ft)		30.48	
Crit W.S. (ft)	588.41	Area (sq ft)		30.48	
E.G. Slope (ft/ft)	0.002828	Flow (cfs)		106.00	
Q Total (cfs)	106.00	Top Width (ft)		13.34	
Top Width (ft)	13.34	Avg. Vel. (ft/s)		3.48	
Vel Total (ft/s)	3.48	Hydr. Depth (ft)		2.29	
Max Chl Dpth (ft)	2.74	Conv. (cfs)		1993.2	
Conv. Total (cfs)	1993.2	Wetted Per. (ft)		15.94	
Length Wtd. (ft)	11.92	Shear (lb/sq ft)		0.34	
Min Ch El (ft)	586.82	Stream Power (lb/ft s)	445.70	0.00	0.00
Alpha	1.00	Cum Volume (acre-ft)	0.04	0.57	0.06
Frctn Loss (ft)	0.01	Cum SA (acres)	0.02	0.65	0.10
C & E Loss (ft)	0.06				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #25-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	591.05	Wt. n-Val.		0.035	
Vel Head (ft)	0.13	Reach Len. (ft)	28.34	11.91	12.11
W.S. Elev (ft)	590.92	Flow Area (sq ft)		49.84	
Crit W.S. (ft)	588.73	Area (sq ft)		49.84	
E.G. Slope (ft/ft)	0.001322	Flow (cfs)		145.00	
Q Total (cfs)	145.00	Top Width (ft)		15.22	
Top Width (ft)	15.22	Avg. Vel. (ft/s)		2.91	
Vel Total (ft/s)	2.91	Hydr. Depth (ft)		3.27	
Max Chl Dpth (ft)	4.10	Conv. (cfs)		3988.4	
Conv. Total (cfs)	3988.4	Wetted Per. (ft)		19.25	
Length Wtd. (ft)	11.92	Shear (lb/sq ft)		0.21	
Min Ch El (ft)	586.82	Stream Power (lb/ft s)	445.70	0.00	0.00
Alpha	1.00	Cum Volume (acre-ft)	0.05	0.73	0.09
Frctn Loss (ft)	0.01	Cum SA (acres)	0.06	0.70	0.17
C & E Loss (ft)	0.03				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	592.06	Wt. n-Val.	0.080	0.035	
Vel Head (ft)	0.11	Reach Len. (ft)	28.34	11.91	12.11
W.S. Elev (ft)	591.95	Flow Area (sq ft)	0.23	66.20	
Crit W.S. (ft)	588.99	Area (sq ft)	0.25	66.20	
E.G. Slope (ft/ft)	0.000878	Flow (cfs)	0.04	176.96	
Q Total (cfs)	177.00	Top Width (ft)	1.69	16.40	
Top Width (ft)	18.09	Avg. Vel. (ft/s)	0.18	2.67	
Vel Total (ft/s)	2.66	Hydr. Depth (ft)	0.19	4.04	
Max Chl Dpth (ft)	5.13	Conv. (cfs)	1.4	5970.4	
Conv. Total (cfs)	5971.8	Wetted Per. (ft)	1.21	21.38	
Length Wtd. (ft)	12.14	Shear (lb/sq ft)	0.01	0.17	
Min Ch El (ft)	586.82	Stream Power (lb/ft s)	445.70	0.00	0.00
Alpha	1.01	Cum Volume (acre-ft)	0.07	0.86	0.12
Frctn Loss (ft)	0.01	Cum SA (acres)	0.10	0.73	0.22
C & E Loss (ft)	0.03				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	592.71	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.12	Reach Len. (ft)	28.34	11.91	12.11
W.S. Elev (ft)	592.60	Flow Area (sq ft)	2.52	76.82	4.27
Crit W.S. (ft)	589.24	Area (sq ft)	2.52	76.82	4.27
E.G. Slope (ft/ft)	0.000768	Flow (cfs)	0.78	211.40	0.82
Q Total (cfs)	213.00	Top Width (ft)	5.29	16.45	18.73
Top Width (ft)	40.47	Avg. Vel. (ft/s)	0.31	2.75	0.19
Vel Total (ft/s)	2.55				

			CalifonFloodplainSt		
Max Chl Dpth (ft)	5.78	Hydr. Depth (ft)	0.48	4.67	0.23
Conv. Total (cfs)	7684.6	Conv. (cfs)	28.3	7626.7	29.6
Length Wtd. (ft)	12.32	Wetted Per. (ft)	5.38	21.49	18.74
Min Ch El (ft)	586.82	Shear (lb/sq ft)	0.02	0.17	0.01
Alpha	1.16	Stream Power (lb/ft s)	445.70	0.00	0.00
Frctn Loss (ft)	0.00	Cum Volume (acre-ft)	0.10	0.99	0.16
C & E Loss (ft)	0.03	Cum SA (acres)	0.14	0.74	0.27

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1293.297

INPUT
Description:
Station Elevation Data num= 99

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	601.99	4.96	601.8	9.93	600.57	14.89	599.07	19.85	598.18
24.82	597.82	29.78	597.43	34.74	597.2	39.7	596.65	44.67	596.26
49.63	596	54.59	596.08	59.56	596.28	64.52	596.32	69.48	596.21
74.45	595.9	79.41	595.6	84.37	595.34	89.33	595.14	94.3	595.17
99.26	595.3	104.22	595.44	109.19	595.31	114.15	594.96	119.11	594.72
124.08	594.52	129.04	594.34	134	594.2	138.96	594.07	143.93	594.03
148.89	593.81	153.85	593.57	158.82	593.56	163.78	593.63	168.74	593.61
173.71	593.65	178.67	593.63	183.63	593.55	188.6	593.35	193.56	593.42
198.52	593.26	203.48	593.43	207.26	593.19	211.03	593.01	214.8	592.94
218.57	592.94	223.09	592.79	227.61	592.45	232.12	591.65	236.64	591.06
239.04	590.91	241.16	590.78	242.8	590.73	245.68	590.64	247.18	588
250.28	586	251.78	584	253.78	584	255.88	586	261.88	588
264	590.83	268.6	591.05	273.2	591.2	277.8	591.43	282.4	591.63
287.3	591.71	292.2	591.98	297.11	592.42	302.01	592.99	306.91	593.38
311.82	593.73	316.72	594.21	321.62	594.6	326.53	595	331.43	595.38
336.33	595.75	341.24	596.15	346.14	596.66	351.04	597.14	355.95	597.61
360.85	597.98	365.75	598.18	370.66	598.37	375.56	598.64	380.46	598.94
385.37	599.27	390.27	599.62	395.17	599.83	400.08	599.76	404.98	599.58
409.88	599.55	414.79	599.68	419.69	599.82	424.59	599.9	429.5	600.07
434.4	600.19	439.3	600.12	444.21	600.11	449.11	600.32		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	247.18	.035	261.88	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
247.18	261.88	51.56	42.78	26.92	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	247	591	F
260	449.11	591	F

CROSS SECTION OUTPUT Profile #5-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	588.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.	0.080	0.035	
W.S. Elev (ft)	588.74	Reach Len. (ft)	51.56	42.78	26.92
Crit W.S. (ft)	586.65	Flow Area (sq ft)	0.10	36.77	
E.G. Slope (ft/ft)	0.000888	Area (sq ft)	0.15	38.74	0.20
Q Total (cfs)	83.00	Flow (cfs)	0.03	82.97	
Top Width (ft)	15.67	Top Width (ft)	0.42	14.70	0.55
Vel Total (ft/s)	2.25	Avg. Vel. (ft/s)	0.24	2.26	
Max Chl Dpth (ft)	4.74	Hydr. Depth (ft)	0.58	2.87	
Conv. Total (cfs)	2785.3	Conv. (cfs)	0.8	2784.5	
Length Wtd. (ft)	42.78	Wetted Per. (ft)	0.36	15.43	
Min Ch El (ft)	584.00	Shear (lb/sq ft)	0.02	0.13	
Alpha	1.00	Stream Power (lb/ft s)	449.11	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.03	0.47	0.05
C & E Loss (ft)		Cum SA (acres)	0.00	0.61	0.07

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	589.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.	0.080	0.035	
W.S. Elev (ft)	589.61	Reach Len. (ft)	51.56	42.78	26.92
Crit W.S. (ft)	586.96	Flow Area (sq ft)	0.26	47.91	
E.G. Slope (ft/ft)	0.000598	Area (sq ft)	0.73	51.52	0.97
Q Total (cfs)	106.00	Flow (cfs)	0.09	105.91	
Top Width (ft)	16.82	Top Width (ft)	0.91	14.70	1.20
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)	0.36	2.21	
Max Chl Dpth (ft)	5.61	Hydr. Depth (ft)	1.45	3.74	
Conv. Total (cfs)	4333.2	Conv. (cfs)	3.9	4329.3	
Length Wtd. (ft)	42.78	Wetted Per. (ft)	0.36	15.43	
Min Ch El (ft)	584.00	Shear (lb/sq ft)	0.03	0.12	
Alpha	1.01	Stream Power (lb/ft s)	449.11	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.04	0.56	0.06
C & E Loss (ft)		Cum SA (acres)	0.02	0.64	0.10

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	591.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.	0.080	0.035	
W.S. Elev (ft)	590.94	Reach Len. (ft)	51.56	42.78	26.92
Crit W.S. (ft)	587.39	Flow Area (sq ft)	0.50	65.00	
E.G. Slope (ft/ft)	0.000405	Area (sq ft)	3.67	71.11	3.36

			CalifonFloodplainSt		
Q Total (cfs)	145.00	Flow (cfs)	0.23	144.77	
Top Width (ft)	27.73	Top Width (ft)	8.62	14.70	4.41
Vel Total (ft/s)	2.21	Avg. Vel. (ft/s)	0.46	2.23	
Max Chl Dpth (ft)	6.94	Hydr. Depth (ft)	2.78	5.07	
Conv. Total (cfs)	7208.4	Conv. (cfs)	11.5	7196.9	
Length Wtd. (ft)	42.78	Wetted Per. (ft)	0.36	15.43	
Min Ch El (ft)	584.00	Shear (lb/sq ft)	0.03	0.11	
Alpha	1.01	Stream Power (lb/ft s)	449.11	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.05	0.72	0.09
C & E Loss (ft)		Cum SA (acres)	0.06	0.70	0.17

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	592.03	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.06	Reach Len. (ft)	51.56	42.78	26.92
W.S. Elev (ft)	591.97	Flow Area (sq ft)	17.53	86.30	21.25
Crit W.S. (ft)	587.65	Area (sq ft)	17.53	86.30	21.25
E.G. Slope (ft/ft)	0.000247	Flow (cfs)	4.94	167.31	4.75
Q Total (cfs)	177.00	Top Width (ft)	16.88	14.70	30.19
Top Width (ft)	61.77	Avg. Vel. (ft/s)	0.28	1.94	0.22
Vel Total (ft/s)	1.42	Hydr. Depth (ft)	1.04	5.87	0.70
Max Chl Dpth (ft)	7.97	Conv. (cfs)	314.3	10650.0	302.7
Conv. Total (cfs)	11266.9	Wetted Per. (ft)	18.49	17.41	31.63
Length Wtd. (ft)	42.78	Shear (lb/sq ft)	0.01	0.08	0.01
Min Ch El (ft)	584.00	Stream Power (lb/ft s)	449.11	0.00	0.00
Alpha	1.78	Cum Volume (acre-ft)	0.07	0.84	0.12
Frctn Loss (ft)		Cum SA (acres)	0.09	0.73	0.21
C & E Loss (ft)					

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	592.68	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.05	Reach Len. (ft)	51.56	42.78	26.92
W.S. Elev (ft)	592.62	Flow Area (sq ft)	29.80	95.85	43.18
Crit W.S. (ft)	587.91	Area (sq ft)	29.80	95.85	43.18
E.G. Slope (ft/ft)	0.000225	Flow (cfs)	9.72	190.28	13.00
Q Total (cfs)	213.00	Top Width (ft)	21.86	14.70	36.97
Top Width (ft)	73.53	Avg. Vel. (ft/s)	0.33	1.99	0.30
Vel Total (ft/s)	1.26	Hydr. Depth (ft)	1.36	6.52	1.17
Max Chl Dpth (ft)	8.62	Conv. (cfs)	647.9	12684.8	866.7
Conv. Total (cfs)	14199.5	Wetted Per. (ft)	23.52	17.41	38.44
Length Wtd. (ft)	42.78	Shear (lb/sq ft)	0.02	0.08	0.02
Min Ch El (ft)	584.00	Stream Power (lb/ft s)	449.11	0.00	0.00
Alpha	2.22	Cum Volume (acre-ft)	0.09	0.97	0.15
Frctn Loss (ft)		Cum SA (acres)	0.13	0.74	0.26
C & E Loss (ft)					

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CULVERT

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1271.9

INPUT
Description: Academy Street
Distance from Upstream XS = 8
Deck/Roadway Width = 25
Weir Coefficient = 2.6
Upstream Deck/Roadway Coordinates
num= 23

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
218.57	592.5		223.09	592.5		227.61	592.5	
232.12	592.5		236.64	592.5		239.04	592.5	
241.16	592.5		242.8	592.5		245.68	592.5	
247.18	592.5		250.28	592.5		251.78	592.5	
253.78	592.5		255.88	592.5		261.88	592.5	
264	592.5		268.6	592.5		273.2	592.5	
277.8	592.5		282.4	592.5		287.3	592.5	
292.2	592.5		297.11	592.5				

Upstream Bridge Cross Section Data
Station Elevation Data num= 99

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	601.99	4.96	601.8	9.93	600.57	14.89	599.07	19.85	598.18
24.82	597.82	29.78	597.43	34.74	597.2	39.7	596.65	44.67	596.26
49.63	596	54.59	596.08	59.56	596.28	64.52	596.32	69.48	596.21
74.45	595.9	79.41	595.6	84.37	595.34	89.33	595.14	94.3	595.17
99.26	595.3	104.22	595.44	109.19	595.31	114.15	594.96	119.11	594.72
124.08	594.52	129.04	594.34	134	594.2	138.96	594.07	143.93	594.03
148.89	593.81	153.85	593.57	158.82	593.56	163.78	593.63	168.74	593.61
173.71	593.65	178.67	593.63	183.63	593.55	188.6	593.35	193.56	593.42
198.52	593.26	203.48	593.43	207.26	593.19	211.03	593.01	214.8	592.94
218.57	592.94	223.09	592.79	227.61	592.45	232.12	591.65	236.64	591.06
239.04	590.91	241.16	590.78	242.8	590.73	245.68	590.64	247.18	588
250.28	586	251.78	584	253.78	584	255.88	586	261.88	588
264	590.83	268.6	591.05	273.2	591.2	277.8	591.43	282.4	591.63
287.3	591.71	292.2	591.98	297.11	592.42	302.01	592.99	306.91	593.38
311.82	593.73	316.72	594.21	321.62	594.6	326.53	595	331.43	595.38
336.33	595.75	341.24	596.15	346.14	596.66	351.04	597.14	355.95	597.61
360.85	597.98	365.75	598.18	370.66	598.37	375.56	598.64	380.46	598.94
385.37	599.27	390.27	599.62	395.17	599.83	400.08	599.76	404.98	599.58
409.88	599.55	414.79	599.68	419.69	599.82	424.59	599.9	429.5	600.07
434.4	600.19	439.3	600.12	444.21	600.11	449.11	600.32		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	247.18	.035	261.88	.08

Bank Sta: Left Right Coeff Contr. Expan.
247.18 261.88 .3 .5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	247	591	F
260	449.11	591	F

Downstream Deck/Roadway Coordinates
num= 31

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
176.89	589		181.8	589		186.71	589	
191.63	589		196.54	589		201.46	589	
206.37	589		211.28	589		216.2	589	
221.11	589		226.02	589		230.94	589	
235.81	589		240.69	589		245.56	589	
250.44	589		255.31	589		260.19	589	
260.26	589		264.62	589		265.06	589	
269.94	589		270	589		274.5	589	
274.82	589		279.69	589		284.57	589	
289.44	589		294.32	589		299.19	589	
304.07	589							

Downstream Bridge Cross Section Data
Station Elevation Data num= 100

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	596.67	4.91	595.9	9.83	595.22	14.74	594.82	19.65	594.63
24.57	594.37	29.48	593.97	34.39	593.69	39.31	594.07	44.22	593.72
49.14	593.41	54.05	593.2	58.96	593.05	63.88	592.87	68.79	592.66
73.7	592.51	78.62	592.24	83.53	591.95	88.44	591.77	93.36	591.74
98.27	591.52	103.18	591.29	108.1	591.03	113.01	590.65	117.93	590.41
122.84	590.21	127.75	590.17	132.67	589.97	137.58	589.81	142.49	589.64
147.41	589.76	152.32	590.05	157.23	590.13	162.15	590.2	167.06	590
171.97	589.85	176.89	589.59	181.8	588.51	186.71	587.31	191.63	586.82
196.54	586.78	201.46	586.75	206.37	586.73	211.28	586.69	216.2	586.53
221.11	586.52	226.02	586.43	230.94	586.41	235.81	586.71	240.69	586.89
245.56	587.12	250.44	587.19	255.31	587.12	260.19	586.61	260.26	586.57
264.62	584.69	265.06	584.5	269.94	582.13	270	580.15	274.5	580.2
274.82	583.5	279.69	585.9	284.57	587.72	289.44	588.82	294.32	589.08
299.19	589.44	304.07	589.47	308.94	589.82	313.82	590.27	318.69	591.01
323.57	591.4	328.45	591.58	333.32	591.62	338.2	591.64	343.08	592.01
347.96	592.43	352.84	592.68	357.71	593.11	362.59	593.59	367.47	594.03
372.35	594.4	377.23	594.79	382.1	595.19	386.98	595.54	391.86	595.88
396.74	596.23	401.62	596.52	406.5	596.69	411.37	596.9	416.25	597.22
421.13	597.35	426.01	597.35	430.89	597.49	435.76	597.77	440.64	598.06
445.52	598.18	450.4	598.19	455.28	598.09	460.15	597.9	465.03	598.22

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	265.06	.035	274.82	.08

Bank Sta: Left Right Coeff Contr. Expan.
265.06 274.82 .3 .5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	265	588	F
280	465.03	588	F

Upstream Embankment side slope = 0 horiz. to 1.0 vertical
Downstream Embankment side slope = 0 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .98
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Culverts = 1

Culvert Name	Shape	Rise	Span
Culvert #1	Box	7	3

FHWA Chart # 8 - flared wingwalls
FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
Solution Criteria = Highest U.S. EG

Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef
8	25	.013	.035	0	.4	1

Upstream Elevation = 583.93
Centerline Station = 252.78
Downstream Elevation = 580.15
Centerline Station = 272.25

CULVERT OUTPUT Profile #5-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	83.00	Culv Full Len (ft)	
# Barrels	1	Culv Vel US (ft/s)	9.62
Q Barrel (cfs)	83.00	Culv Vel DS (ft/s)	17.08
E.G. US. (ft)	588.82	Culv Inv El Up (ft)	583.93
W.S. US. (ft)	588.74	Culv Inv El Dn (ft)	580.15
E.G. DS (ft)	583.39	Culv Frctn Ls (ft)	1.94
W.S. DS (ft)	582.41	Culv Exit Loss (ft)	2.91
Delta EG (ft)	5.43	Culv Entr Loss (ft)	0.58
Delta WS (ft)	6.32	Q Weir (cfs)	
E.G. IC (ft)	587.98	Weir Sta Lft (ft)	
E.G. OC (ft)	588.82	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	586.81	Weir Max Depth (ft)	
Culv WS Outlet (ft)	581.77	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	1.47	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	2.88	Min El Weir Flow (ft)	592.43

Warning: Since the culvert has supercritical flow, the program should be run in mixed flow in order to check if the cross section downstream of the culvert has supercritical flow.
Note: The flow in the culvert is entirely supercritical.

CULVERT OUTPUT Profile #10-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	106.00	Culv Full Len (ft)	
# Barrels	1	Culv Vel US (ft/s)	10.44
Q Barrel (cfs)	106.00	Culv Vel DS (ft/s)	18.14
E.G. US. (ft)	589.68	Culv Inv El Up (ft)	583.93
W.S. US. (ft)	589.61	Culv Inv El Dn (ft)	580.15
E.G. DS (ft)	583.88	Culv Frctn Ls (ft)	1.80
W.S. DS (ft)	582.84	Culv Exit Loss (ft)	3.33
Delta EG (ft)	5.80	Culv Entr Loss (ft)	0.68
Delta WS (ft)	6.77	Q Weir (cfs)	
E.G. IC (ft)	588.82	Weir Sta Lft (ft)	
E.G. OC (ft)	589.68	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	587.31	Weir Max Depth (ft)	
Culv WS Outlet (ft)	582.10	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	1.72	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	3.38	Min El Weir Flow (ft)	592.43

Warning: Since the culvert has supercritical flow, the program should be run in mixed flow in order to check if the cross section downstream of the culvert has supercritical flow.
Note: The flow in the culvert is entirely supercritical.

CULVERT OUTPUT Profile #25-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	145.00	Culv Full Len (ft)	
# Barrels	1	Culv Vel US (ft/s)	11.59
Q Barrel (cfs)	145.00	Culv Vel DS (ft/s)	19.52
E.G. US. (ft)	591.02	Culv Inv El Up (ft)	583.93
W.S. US. (ft)	590.94	Culv Inv El Dn (ft)	580.15
E.G. DS (ft)	584.56	Culv Frctn Ls (ft)	1.65
W.S. DS (ft)	583.43	Culv Exit Loss (ft)	3.98
Delta EG (ft)	6.46	Culv Entr Loss (ft)	0.83
Delta WS (ft)	7.51	Q Weir (cfs)	
E.G. IC (ft)	590.13	Weir Sta Lft (ft)	
E.G. OC (ft)	591.02	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	588.10	Weir Max Depth (ft)	
Culv WS Outlet (ft)	582.63	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	2.12	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	4.17	Min El Weir Flow (ft)	592.43

Warning: Since the culvert has supercritical flow, the program should be run in mixed flow in order to check if the cross section downstream of the culvert has supercritical flow.
Note: The flow in the culvert is entirely supercritical.

CULVERT OUTPUT Profile #50-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	177.00	Culv Full Len (ft)	
# Barrels	1	Culv Vel US (ft/s)	12.39
Q Barrel (cfs)	177.00	Culv Vel DS (ft/s)	20.41
E.G. US. (ft)	592.03	Culv Inv El Up (ft)	583.93
W.S. US. (ft)	591.97	Culv Inv El Dn (ft)	580.15
E.G. DS (ft)	585.02	Culv Frctn Ls (ft)	1.57
W.S. DS (ft)	583.83	Culv Exit Loss (ft)	4.49
Delta EG (ft)	7.01	Culv Entr Loss (ft)	0.95
Delta WS (ft)	8.14	Q Weir (cfs)	
E.G. IC (ft)	591.12	Weir Sta Lft (ft)	
E.G. OC (ft)	592.03	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	588.69	Weir Max Depth (ft)	
Culv WS Outlet (ft)	583.04	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	2.43	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	4.76	Min El Weir Flow (ft)	592.43

Warning: Since the culvert has supercritical flow, the program should be run in mixed flow in order to check if the cross section downstream of the culvert has supercritical flow.
Note: The flow in the culvert is entirely supercritical.

CULVERT OUTPUT Profile #100-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	198.70	Culv Full Len (ft)	
# Barrels	1	Culv Vel US (ft/s)	12.87
Q Barrel (cfs)	198.70	Culv Vel DS (ft/s)	20.94
E.G. US. (ft)	592.68	Culv Inv El Up (ft)	583.93
W.S. US. (ft)	592.62	Culv Inv El Dn (ft)	580.15
E.G. DS (ft)	585.47	Culv Frctn Ls (ft)	1.53
W.S. DS (ft)	584.23	Culv Exit Loss (ft)	4.65
Delta EG (ft)	7.21	Culv Entr Loss (ft)	1.03
Delta WS (ft)	8.39	Q Weir (cfs)	14.30
E.G. IC (ft)	591.88	Weir Sta Lft (ft)	224.56
E.G. OC (ft)	592.68	Weir Sta Rgt (ft)	299.34
Culvert Control	Outlet	Weir Submerg	0.00
Culv WS Inlet (ft)	589.08	Weir Max Depth (ft)	0.26
Culv WS Outlet (ft)	583.31	Weir Avg Depth (ft)	0.18
Culv Nml Depth (ft)	2.62	Weir Flow Area (sq ft)	13.09
Culv Crt Depth (ft)	5.15	Min El Weir Flow (ft)	592.43

Warning: Since the culvert has supercritical flow, the program should be run in mixed flow in order to check if the cross section downstream of the culvert has supercritical flow.
Note: The flow in the culvert is entirely supercritical.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1250.517

INPUT
Description:
Station Elevation Data num= 100

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	596.67	4.91	595.9	9.83	595.22	14.74	594.82	19.65	594.63
24.57	594.37	29.48	593.97	34.39	593.69	39.31	594.07	44.22	593.72
49.14	593.41	54.05	593.2	58.96	593.05	63.88	592.87	68.79	592.66
73.7	592.51	78.62	592.24	83.53	591.95	88.44	591.77	93.36	591.74
98.27	591.52	103.18	591.29	108.1	591.03	113.01	590.65	117.93	590.41
122.84	590.21	127.75	590.17	132.67	589.97	137.58	589.81	142.49	589.64
147.41	589.76	152.32	590.05	157.23	590.13	162.15	590.2	167.06	590
171.97	589.85	176.89	589.59	181.8	588.51	186.71	587.31	191.63	586.82
196.54	586.78	201.46	586.75	206.37	586.73	211.28	586.69	216.2	586.53
221.11	586.52	226.02	586.43	230.94	586.41	235.81	586.71	240.69	586.89
245.56	587.12	250.44	587.19	255.31	587.12	260.19	586.61	260.26	586.57
264.62	584.69	265.06	584.5	269.94	582.13	270	580.15	274.5	580.2
274.82	583.5	279.69	585.9	284.57	587.72	289.44	588.82	294.32	589.08
299.19	589.44	304.07	589.47	308.94	589.82	313.82	590.27	318.69	591.01
323.57	591.4	328.45	591.58	333.32	591.62	338.2	591.64	343.08	592.01
347.96	592.43	352.84	592.68	357.71	593.11	362.59	593.59	367.47	594.03
372.35	594.4	377.23	594.79	382.1	595.19	386.98	595.54	391.86	595.88
396.74	596.23	401.62	596.52	406.5	596.69	411.37	596.9	416.25	597.22
421.13	597.35	426.01	597.35	430.89	597.49	435.76	597.77	440.64	598.06
445.52	598.18	450.4	598.19	455.28	598.09	460.15	597.9	465.03	598.22

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	265.06	.035	274.82	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
265.06	274.82	85.08	85.12	91.69	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	265	588	F
280	465.03	588	F

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	583.39	Element			
Vel Head (ft)	0.98	Wt. n-Val.		0.035	
W.S. Elev (ft)	582.41	Reach Len. (ft)	85.08	85.12	91.69
Crit W.S. (ft)	582.41	Flow Area (sq ft)		10.47	
E.G. Slope (ft/ft)	0.030027	Area (sq ft)		10.47	
Q Total (cfs)	83.00	Flow (cfs)		83.00	
Top Width (ft)	5.36	Top Width (ft)		5.36	
Vel Total (ft/s)	7.93	Avg. Vel. (ft/s)		7.93	
Max Chl Dpth (ft)	2.26	Hydr. Depth (ft)		1.95	
Conv. Total (cfs)	479.0	Conv. (cfs)		479.0	
Length Wtd. (ft)	85.12	Wetted Per. (ft)		9.35	
Min Ch El (ft)	580.15	Shear (lb/sq ft)		2.10	
Alpha	1.00	Stream Power (lb/ft s)	465.03	0.00	0.00
Frctn Loss (ft)	2.19	Cum Volume (acre-ft)	0.03	0.46	0.05
C & E Loss (ft)	0.35	Cum SA (acres)	0.00	0.60	0.07

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	583.88	Element			
Vel Head (ft)	1.05	Wt. n-Val.		0.035	
W.S. Elev (ft)	582.84	Reach Len. (ft)	85.08	85.12	91.69
Crit W.S. (ft)	582.84	Flow Area (sq ft)		12.92	
E.G. Slope (ft/ft)	0.029195	Area (sq ft)		12.92	
Q Total (cfs)	106.00	Flow (cfs)		106.00	
Top Width (ft)	6.27	Top Width (ft)		6.27	
Vel Total (ft/s)	8.20	Avg. Vel. (ft/s)		8.20	
Max Chl Dpth (ft)	2.69	Hydr. Depth (ft)		2.06	
Conv. Total (cfs)	620.4	Conv. (cfs)		620.4	
Length Wtd. (ft)	85.12	Wetted Per. (ft)		10.74	
Min Ch El (ft)	580.15	Shear (lb/sq ft)		2.19	
Alpha	1.00	Stream Power (lb/ft s)	465.03	0.00	0.00
Frctn Loss (ft)	2.09	Cum Volume (acre-ft)	0.04	0.55	0.06
C & E Loss (ft)	0.36	Cum SA (acres)	0.02	0.63	0.10

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	584.56	Element			
Vel Head (ft)	1.12	Wt. n-Val.		0.035	
W.S. Elev (ft)	583.43	Reach Len. (ft)	85.08	85.12	91.69
Crit W.S. (ft)	583.43	Flow Area (sq ft)		17.05	
E.G. Slope (ft/ft)	0.027123	Area (sq ft)		17.05	
Q Total (cfs)	145.00	Flow (cfs)		145.00	
Top Width (ft)	7.56	Top Width (ft)		7.56	
Vel Total (ft/s)	8.50	Avg. Vel. (ft/s)		8.50	

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			Left OB	Channel	Right OB
Max Chl Dpth (ft)	3.28	Hydr. Depth (ft)		2.26	
Conv. Total (cfs)	880.4	Conv. (cfs)		880.4	
Length Wtd. (ft)	85.13	Wetted Per. (ft)		12.71	
Min Ch El (ft)	580.15	Shear (lb/sq ft)		2.27	
Alpha	1.00	Stream Power (lb/ft s)	465.03	0.00	0.00
Frctn Loss (ft)	1.89	Cum Volume (acre-ft)	0.05	0.70	0.09
C & E Loss (ft)	0.36	Cum SA (acres)	0.06	0.69	0.17

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	585.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.18	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	583.83	Reach Len. (ft)	85.08	85.12	91.69
Crit W.S. (ft)	583.83	Flow Area (sq ft)		20.26	0.11
E.G. Slope (ft/ft)	0.025111	Area (sq ft)		20.26	0.11
Q Total (cfs)	177.00	Flow (cfs)		176.91	0.09
Top Width (ft)	9.07	Top Width (ft)		8.39	0.68
Vel Total (ft/s)	8.69	Avg. Vel. (ft/s)		8.73	0.83
Max Chl Dpth (ft)	3.68	Hydr. Depth (ft)		2.41	0.17
Conv. Total (cfs)	1117.0	Conv. (cfs)		1116.4	0.6
Length Wtd. (ft)	85.13	Wetted Per. (ft)		13.70	0.76
Min Ch El (ft)	580.15	Shear (lb/sq ft)		2.32	0.24
Alpha	1.01	Stream Power (lb/ft s)	465.03	0.00	0.00
Frctn Loss (ft)	1.72	Cum Volume (acre-ft)	0.07	0.81	0.12
C & E Loss (ft)	0.38	Cum SA (acres)	0.08	0.72	0.20

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	585.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	1.24	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	584.23	Reach Len. (ft)	85.08	85.12	91.69
Crit W.S. (ft)	584.23	Flow Area (sq ft)		23.74	0.54
E.G. Slope (ft/ft)	0.023207	Area (sq ft)		23.74	0.54
Q Total (cfs)	213.00	Flow (cfs)		212.27	0.73
Top Width (ft)	10.69	Top Width (ft)		9.21	1.48
Vel Total (ft/s)	8.77	Avg. Vel. (ft/s)		8.94	1.34
Max Chl Dpth (ft)	4.08	Hydr. Depth (ft)		2.58	0.37
Conv. Total (cfs)	1398.2	Conv. (cfs)		1393.4	4.8
Length Wtd. (ft)	85.15	Wetted Per. (ft)		14.61	1.65
Min Ch El (ft)	580.15	Shear (lb/sq ft)		2.36	0.47
Alpha	1.04	Stream Power (lb/ft s)	465.03	0.00	0.00
Frctn Loss (ft)	1.58	Cum Volume (acre-ft)	0.09	0.92	0.15
C & E Loss (ft)	0.39	Cum SA (acres)	0.12	0.73	0.25

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1165.394

INPUT
Description:
Station Elevation Data num= 87

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	585.01	4.99	584.19	9.98	583.68	14.97	582.92	19.96	582.42
24.96	581.84	29.95	581.25	34.94	580.75	39.93	580.24	44.92	579.83
49.91	579.39	54.9	579.03	59.89	579.08	64.89	579.34	69.88	579.31
74.87	579.27	79.86	579.22	84.85	579.21	89.84	579.57	94.83	580.15
99.82	580.28	104.81	580.39	109.81	580.48	114.8	580.53	119.79	580.67
124.78	580.74	129.77	580.6	134.76	580.37	139.75	580.32	144.74	580.14
149.74	579.59	154.73	578.66	159.72	577.65	164.71	576.6	169.7	575.72
174.66	575.81	179.61	575.97	184.57	575.57	189.53	575.17	194.49	575.19
199.45	575	204.4	574.7	209.36	574.62	214.32	574.88	219.28	575.5
224.23	576.27	229.19	576.52	232.83	576.14	234.15	576.01	236.94	576.03
239.11	576.05	244.06	577.38	249.02	579.37	253.98	580.77	258.94	581.54
263.89	582	268.85	582.38	273.81	582.97	278.77	583.57	283.72	584
288.68	584.45	293.64	584.91	298.6	585.37	303.55	585.83	308.51	586.22
313.47	585.92	318.43	585.58	323.38	585.25	328.34	585.13	333.3	585.16
338.26	585.22	343.21	585.41	348.17	585.8	353.13	585.95	358.09	585.93
363.04	586.1	368	586.36	372.96	586.69	377.92	586.81	382.87	587.04
387.83	586.97	392.79	587.01	397.75	587.18	402.7	587.52	407.66	587.82
412.62	588.11	417.58	588.42						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	184.57	.035	219.28	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
184.57	219.28	74.72	75.68	65.45	.3	.5

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	575.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	575.57	Reach Len. (ft)	74.72	75.68	65.45
Crit W.S. (ft)	575.57	Flow Area (sq ft)		19.37	0.02
E.G. Slope (ft/ft)	0.022244	Area (sq ft)	0.00	19.37	0.02
Q Total (cfs)	83.00	Flow (cfs)		83.00	0.00
Top Width (ft)	35.19	Top Width (ft)	0.02	34.71	0.46
Vel Total (ft/s)	4.28	Avg. Vel. (ft/s)		4.29	0.30
Max Chl Dpth (ft)	0.95	Hydr. Depth (ft)		0.56	0.04
Conv. Total (cfs)	556.5	Conv. (cfs)		556.5	0.0
Length Wtd. (ft)	75.68	Wetted Per. (ft)		34.78	0.47
Min Ch El (ft)	574.62	Shear (lb/sq ft)		0.77	0.05
Alpha	1.00	Stream Power (lb/ft s)	417.58	0.00	0.00
Frctn Loss (ft)	1.67	Cum Volume (acre-ft)	0.03	0.43	0.05
C & E Loss (ft)	0.00	Cum SA (acres)	0.00	0.56	0.07

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	576.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	575.67	Reach Len. (ft)	74.72	75.68	65.45
Crit W.S. (ft)	575.67	Flow Area (sq ft)	0.06	22.80	0.09
E.G. Slope (ft/ft)	0.021029	Area (sq ft)	0.06	22.80	0.09
Q Total (cfs)	106.00	Flow (cfs)	0.02	105.93	0.05
Top Width (ft)	37.05	Top Width (ft)	1.25	34.71	1.10
Vel Total (ft/s)	4.62	Avg. Vel. (ft/s)	0.37	4.65	0.52
Max Chl Dpth (ft)	1.05	Hydr. Depth (ft)	0.05	0.66	0.09
Conv. Total (cfs)	731.0	Conv. (cfs)	0.2	730.5	0.3
Length Wtd. (ft)	75.67	Wetted Per. (ft)	1.25	34.78	1.11
Min Ch El (ft)	574.62	Shear (lb/sq ft)	0.07	0.86	0.11
Alpha	1.01	Stream Power (lb/ft s)	417.58	0.00	0.00
Frctn Loss (ft)	1.57	Cum Volume (acre-ft)	0.04	0.51	0.06
C & E Loss (ft)	0.00	Cum SA (acres)	0.02	0.59	0.10

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	576.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.40	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	575.84	Reach Len. (ft)	74.72	75.68	65.45
Crit W.S. (ft)	575.84	Flow Area (sq ft)	0.84	28.53	0.36
E.G. Slope (ft/ft)	0.018472	Area (sq ft)	0.84	28.53	0.36
Q Total (cfs)	145.00	Flow (cfs)	0.44	144.28	0.28
Top Width (ft)	46.57	Top Width (ft)	9.71	34.71	2.16
Vel Total (ft/s)	4.88	Avg. Vel. (ft/s)	0.53	5.06	0.76
Max Chl Dpth (ft)	1.22	Hydr. Depth (ft)	0.09	0.82	0.17
Conv. Total (cfs)	1066.9	Conv. (cfs)	3.3	1061.6	2.0
Length Wtd. (ft)	75.60	Wetted Per. (ft)	9.73	34.78	2.18
Min Ch El (ft)	574.62	Shear (lb/sq ft)	0.10	0.95	0.19
Alpha	1.07	Stream Power (lb/ft s)	417.58	0.00	0.00
Frctn Loss (ft)	1.32	Cum Volume (acre-ft)	0.05	0.65	0.09
C & E Loss (ft)	0.02	Cum SA (acres)	0.05	0.65	0.17

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	576.39	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.43	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	575.97	Reach Len. (ft)	74.72	75.68	65.45
Crit W.S. (ft)	575.97	Flow Area (sq ft)	2.53	33.08	0.70
E.G. Slope (ft/ft)	0.016524	Area (sq ft)	2.53	33.08	0.70
Q Total (cfs)	177.00	Flow (cfs)	1.78	174.59	0.63
Top Width (ft)	53.84	Top Width (ft)	16.13	34.71	3.00
Vel Total (ft/s)	4.87	Avg. Vel. (ft/s)	0.70	5.28	0.90
Max Chl Dpth (ft)	1.35	Hydr. Depth (ft)	0.16	0.95	0.23
Conv. Total (cfs)	1376.9	Conv. (cfs)	13.9	1358.2	4.9
Length Wtd. (ft)	75.53	Wetted Per. (ft)	16.17	34.78	3.04
Min Ch El (ft)	574.62	Shear (lb/sq ft)	0.16	0.98	0.24
Alpha	1.16	Stream Power (lb/ft s)	417.58	0.00	0.00

Frctn Loss (ft)	1.20	Cum Volume (acre-ft)	0.06	0.76	0.12
C & E Loss (ft)	0.02	Cum SA (acres)	0.07	0.67	0.20

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	576.56	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.46	Reach Len. (ft)	74.72	75.68	65.45
W.S. Elev (ft)	576.10	Flow Area (sq ft)	4.68	37.58	1.52
Crit W.S. (ft)	576.10	Area (sq ft)	4.68	37.58	1.52
E.G. Slope (ft/ft)	0.015210	Flow (cfs)	4.53	207.17	1.30
Q Total (cfs)	213.00	Top Width (ft)	17.00	34.71	9.84
Top Width (ft)	61.56	Avg. Vel. (ft/s)	0.97	5.51	0.85
Vel Total (ft/s)	4.86	Hydr. Depth (ft)	0.28	1.08	0.15
Max Chl Dpth (ft)	1.48	Conv. (cfs)	36.8	1679.8	10.5
Conv. Total (cfs)	1727.1	Wetted Per. (ft)	17.06	34.78	9.90
Length Wtd. (ft)	75.45	Shear (lb/sq ft)	0.26	1.03	0.15
Min Ch El (ft)	574.62	Stream Power (lb/ft s)	417.58	0.00	0.00
Alpha	1.25	Cum Volume (acre-ft)	0.08	0.86	0.15
Frctn Loss (ft)	1.12	Cum SA (acres)	0.10	0.68	0.24
C & E Loss (ft)	0.02				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 1089.717

INPUT
Description:
Station Elevation Data num= 113

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	581.73	4.93	581.41	9.86	581.02	14.79	580.71	19.71	580.48
24.64	580.48	29.57	580.34	34.5	579.86	39.43	579.39	44.36	579.15
49.29	578.67	54.21	578.22	59.14	578.14	64.07	577.74	69	577.19
73.93	576.83	78.86	576.74	83.79	576.61	88.71	576.15	93.64	575.38
98.57	573.85	103.5	571.54	108.43	570.78	113.36	570.78	118.29	570.91
123.22	571	128.14	571	133.07	570.87	138	570.62	142.93	570.57
147.86	570.89	152.79	571.08	157.72	571.06	162.64	571.45	167.57	571.36
172.5	571.18	177.43	571.39	182.36	571.18	187.29	570.82	192.22	570.61
197.14	570.36	202.07	570.22	207	570.46	211.93	570.44	216.86	570.22
221.79	569.98	226.76	570.2	231.74	570.55	236.71	570.42	241.68	569.91
246.66	569.43	251.63	569.26	256.61	569.22	261.58	569.12	266.56	568.89
271.53	568.56	276.5	568.32	281.48	568.24	286.45	568.26	291.43	568.47
296.28	568.99	301.13	569.29	305.99	569.62	310.84	569.78	315.69	569.7
320.55	569.27	325.4	569.15	330.26	569.51	335.11	570.33	339.96	571.13
344.82	572.05	349.67	572.6	354.52	572.6	359.38	572.31	364.23	571.59
366.49	571.35	369.09	571.07	370.04	571.24	373.94	571.95	378.79	573.11
383.65	573.88	388.5	574.51	393.35	574.83	398.21	575.07	403.06	575.27
407.91	575.4	412.77	575.65	417.74	575.95	422.71	576.24	427.68	576.36
432.65	576.55	437.62	576.9	442.59	577.17	447.56	577.45	452.53	577.64
457.5	577.86	462.47	578.08	467.44	578.22	472.41	578.92	477.39	578.8
482.36	578.67	487.33	579	492.3	579.86	497.27	580.98	502.24	581.08
507.09	581.16	511.94	580.78	516.8	580.69	521.65	581.46	526.5	581.77
531.35	582.37	536.21	582.73	541.06	582.7				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	261.58	.035	296.28	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
261.58	296.28	139.15	217.17	205.01	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	569.38	Wt. n-Val.		0.035	0.080
Vel Head (ft)	0.28	Reach Len. (ft)	139.15	217.17	205.01
W.S. Elev (ft)	569.10	Flow Area (sq ft)		19.38	0.10
Crit W.S. (ft)	569.10	Area (sq ft)		19.38	0.10
E.G. Slope (ft/ft)	0.021784	Flow (cfs)		82.96	0.04
Q Total (cfs)	83.00	Top Width (ft)		34.26	1.78
Top Width (ft)	36.04	Avg. Vel. (ft/s)		4.28	0.40
Vel Total (ft/s)	4.26	Hydr. Depth (ft)		0.57	0.05
Max Chl Dpth (ft)	0.86	Conv. (cfs)		562.1	0.3
Conv. Total (cfs)	562.4	Wetted Per. (ft)		34.32	1.78
Length Wtd. (ft)	217.06	Shear (lb/sq ft)		0.77	0.07
Min Ch El (ft)	568.24	Stream Power (lb/ft s)	541.06	0.00	0.00
Alpha	1.01	Cum Volume (acre-ft)	0.03	0.39	0.05
Frctn Loss (ft)	4.61	Cum SA (acres)	0.00	0.50	0.07
C & E Loss (ft)	0.00				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the

need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	569.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.33	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	569.20	Reach Len. (ft)	139.15	217.17	205.01
Crit W.S. (ft)	569.20	Flow Area (sq ft)	0.17	22.95	0.44
E.G. Slope (ft/ft)	0.020457	Area (sq ft)	0.17	22.95	0.44
Q Total (cfs)	106.00	Flow (cfs)	0.05	105.71	0.24
Top Width (ft)	45.13	Top Width (ft)	4.13	34.70	6.30
Vel Total (ft/s)	4.50	Avg. Vel. (ft/s)	0.32	4.61	0.53
Max Chl Dpth (ft)	0.96	Hydr. Depth (ft)	0.04	0.66	0.07
Conv. Total (cfs)	741.1	Conv. (cfs)	0.4	739.1	1.7
Length Wtd. (ft)	216.93	Wetted Per. (ft)	4.13	34.75	6.31
Min Ch El (ft)	568.24	Shear (lb/sq ft)	0.05	0.84	0.09
Alpha	1.05	Stream Power (lb/ft s)	541.06	0.00	0.00
Frctn Loss (ft)	4.27	Cum Volume (acre-ft)	0.04	0.47	0.06
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	0.53	0.09

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	569.74	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	569.38	Reach Len. (ft)	139.15	217.17	205.01
Crit W.S. (ft)	569.38	Flow Area (sq ft)	1.98	29.17	2.51
E.G. Slope (ft/ft)	0.016576	Area (sq ft)	1.98	29.17	2.51
Q Total (cfs)	145.00	Flow (cfs)	1.32	141.87	1.81
Top Width (ft)	63.68	Top Width (ft)	13.52	34.70	15.46
Vel Total (ft/s)	4.31	Avg. Vel. (ft/s)	0.66	4.86	0.72
Max Chl Dpth (ft)	1.14	Hydr. Depth (ft)	0.15	0.84	0.16
Conv. Total (cfs)	1126.2	Conv. (cfs)	10.2	1101.9	14.1
Length Wtd. (ft)	216.38	Wetted Per. (ft)	13.52	34.75	15.49
Min Ch El (ft)	568.24	Shear (lb/sq ft)	0.15	0.87	0.17
Alpha	1.25	Stream Power (lb/ft s)	541.06	0.00	0.00
Frctn Loss (ft)	3.70	Cum Volume (acre-ft)	0.05	0.60	0.09
C & E Loss (ft)	0.00	Cum SA (acres)	0.03	0.59	0.16

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	569.89	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	569.50	Reach Len. (ft)	139.15	217.17	205.01
Crit W.S. (ft)	569.50	Flow Area (sq ft)	3.76	33.33	4.64
E.G. Slope (ft/ft)	0.015198	Area (sq ft)	3.76	33.33	4.64
Q Total (cfs)	177.00	Flow (cfs)	3.33	169.66	4.01
Top Width (ft)	70.57	Top Width (ft)	15.67	34.70	20.20
Vel Total (ft/s)	4.24	Avg. Vel. (ft/s)	0.88	5.09	0.86
Max Chl Dpth (ft)	1.26	Hydr. Depth (ft)	0.24	0.96	0.23
Conv. Total (cfs)	1435.8	Conv. (cfs)	27.0	1376.2	32.6
Length Wtd. (ft)	215.83	Wetted Per. (ft)	15.68	34.75	20.24
Min Ch El (ft)	568.24	Shear (lb/sq ft)	0.23	0.91	0.22
Alpha	1.38	Stream Power (lb/ft s)	541.06	0.00	0.00
Frctn Loss (ft)	3.46	Cum Volume (acre-ft)	0.06	0.70	0.11
C & E Loss (ft)	0.00	Cum SA (acres)	0.04	0.61	0.18

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	570.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	569.62	Reach Len. (ft)	139.15	217.17	205.01
Crit W.S. (ft)	569.62	Flow Area (sq ft)	5.63	37.32	7.19
E.G. Slope (ft/ft)	0.014452	Area (sq ft)	5.63	37.32	7.19
Q Total (cfs)	213.00	Flow (cfs)	6.05	199.75	7.19
Top Width (ft)	75.49	Top Width (ft)	16.86	34.70	23.93
Vel Total (ft/s)	4.25	Avg. Vel. (ft/s)	1.07	5.35	1.00
Max Chl Dpth (ft)	1.38	Hydr. Depth (ft)	0.33	1.08	0.30
Conv. Total (cfs)	1771.8	Conv. (cfs)	50.4	1661.6	59.8
Length Wtd. (ft)	215.28	Wetted Per. (ft)	16.87	34.75	23.99
Min Ch El (ft)	568.24	Shear (lb/sq ft)	0.30	0.97	0.27
Alpha	1.49	Stream Power (lb/ft s)	541.06	0.00	0.00
Frctn Loss (ft)	3.31	Cum Volume (acre-ft)	0.08	0.80	0.14
C & E Loss (ft)	0.00	Cum SA (acres)	0.07	0.62	0.22

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 872.5471

INPUT
Description:
Station Elevation Data num= 119

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	559.53	4.89	558.73	9.78	557.96	14.67	557.3	19.56	556.68
24.45	556.18	29.34	556.18	34.24	556.73	39.13	557.3	44.02	557.56
48.91	557.77	53.8	558.16	58.69	558.61	63.58	558.98	68.47	559.31
73.36	559.52	78.25	559.56	83.14	559.48	88.03	559.64	92.92	559.44
97.82	559.2	102.71	558.86	107.6	558.47	112.49	558.06	117.38	557.67
122.27	557.42	127.16	557.23	132.05	557.05	136.94	556.98	141.83	556.92
146.72	556.85	151.61	556.81	156.5	556.79	161.4	556.78	166.29	556.74
171.18	556.83	176.07	556.62	181.01	556.03	185.96	555.73	190.9	555.05
195.85	554.04	200.8	553.56	205.74	554.01	210.69	554.28	215.63	554.41
220.58	554.46	225.52	554.09	230.47	553.18	235.42	551.65	240.36	549.48
245.31	548.68	247.16	548.74	250.25	548.82	251.2	548.9	255.2	549.23
260.15	549.63	265.09	549.52	270.04	549.77	274.98	550.13	279.93	549.99
284.87	550.44	289.82	550.66	294.56	550.78	299.31	550.83	304.06	550.53
308.8	550.05	313.55	549.73	318.29	549.79	323.04	550.35	327.78	550.7
332.53	550.81	337.27	550.83	342.02	550.82	346.76	551.03	351.51	551.3
356.25	551.31	361	551.38	365.94	551.95	370.87	552.42	375.81	552.56
380.75	551.91	385.68	551.97	390.62	551.9	395.56	551.7	400.49	551.58
405.43	551.55	410.37	551.93	415.3	552.54	420.24	552.94	425.18	553.91
430.11	554.86	435.05	555.31	439.99	555.72	444.92	556.12	449.86	556.78
454.8	557.3	459.73	557.69	464.67	558.16	469.61	558.73	474.54	559.4
479.48	560.22	484.42	560.95	489.35	561.12	494.29	561.26	499.23	561.81
504.16	562.28	508.99	562.81	513.81	563.33	518.64	563.77	523.46	564.46
528.29	564.95	533.11	565.46	537.93	566.05	542.76	566.75	547.58	567.36
552.41	567.74	557.23	568.21	562.06	568.58	566.88	569.16		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	240.36	.035	274.98	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
240.36	274.98	173.53	187.1	150.89	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	550.18	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	549.88	Reach Len. (ft)	173.53	187.10	150.89
Crit W.S. (ft)	549.88	Flow Area (sq ft)	0.19	18.89	0.81
E.G. Slope (ft/ft)	0.020750	Area (sq ft)	0.19	18.89	0.81
Q Total (cfs)	83.00	Flow (cfs)	0.16	82.36	0.48
Top Width (ft)	40.02	Top Width (ft)	0.92	31.26	7.85
Vel Total (ft/s)	4.17	Avg. Vel. (ft/s)	0.87	4.36	0.59
Max Chl Dpth (ft)	1.20	Hydr. Depth (ft)	0.20	0.60	0.10
Conv. Total (cfs)	576.2	Conv. (cfs)	1.1	571.8	3.3
Length Wtd. (ft)	186.98	Wetted Per. (ft)	1.01	31.37	7.86
Min Ch El (ft)	548.68	Shear (lb/sq ft)	0.24	0.78	0.13
Alpha	1.08	Stream Power (lb/ft s)	566.88	0.00	0.00
Frctn Loss (ft)	3.78	Cum Volume (acre-ft)	0.03	0.30	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.00	0.33	0.05

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	550.33	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.32	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	550.01	Reach Len. (ft)	173.53	187.10	150.89
Crit W.S. (ft)	550.01	Flow Area (sq ft)	0.32	22.79	1.94
E.G. Slope (ft/ft)	0.018988	Area (sq ft)	0.32	22.79	1.94
Q Total (cfs)	106.00	Flow (cfs)	0.31	104.10	1.59
Top Width (ft)	45.58	Top Width (ft)	1.20	32.93	11.46
Vel Total (ft/s)	4.23	Avg. Vel. (ft/s)	0.99	4.57	0.82
Max Chl Dpth (ft)	1.33	Hydr. Depth (ft)	0.26	0.69	0.17
Conv. Total (cfs)	769.2	Conv. (cfs)	2.3	755.5	11.5
Length Wtd. (ft)	186.81	Wetted Per. (ft)	1.31	33.04	11.48
Min Ch El (ft)	548.68	Shear (lb/sq ft)	0.29	0.82	0.20
Alpha	1.14	Stream Power (lb/ft s)	566.88	0.00	0.00
Frctn Loss (ft)	3.55	Cum Volume (acre-ft)	0.04	0.36	0.05
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	0.36	0.05

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the

need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	550.53	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.36	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	550.17	Reach Len. (ft)	173.53	187.10	150.89
Crit W.S. (ft)	550.17	Flow Area (sq ft)	0.54	28.35	4.68
E.G. Slope (ft/ft)	0.017681	Area (sq ft)	0.54	28.35	4.68
Q Total (cfs)	145.00	Flow (cfs)	0.62	139.76	4.62
Top Width (ft)	57.02	Top Width (ft)	1.57	34.62	20.83
Vel Total (ft/s)	4.32	Avg. Vel. (ft/s)	1.15	4.93	0.99
Max Chl Dpth (ft)	1.49	Hydr. Depth (ft)	0.35	0.82	0.22
Conv. Total (cfs)	1090.5	Conv. (cfs)	4.7	1051.0	34.8
Length Wtd. (ft)	186.49	Wetted Per. (ft)	1.72	34.74	20.88
Min Ch El (ft)	548.68	Shear (lb/sq ft)	0.35	0.90	0.25
Alpha	1.26	Stream Power (lb/ft s)	566.88	0.00	0.00
Frctn Loss (ft)	3.34	Cum Volume (acre-ft)	0.05	0.46	0.07
C & E Loss (ft)	0.02	Cum SA (acres)	0.00	0.41	0.07

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	550.68	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	550.28	Reach Len. (ft)	173.53	187.10	150.89
Crit W.S. (ft)	550.28	Flow Area (sq ft)	0.73	32.09	7.10
E.G. Slope (ft/ft)	0.016945	Area (sq ft)	0.73	32.09	7.10
Q Total (cfs)	177.00	Flow (cfs)	0.90	168.20	7.90
Top Width (ft)	60.44	Top Width (ft)	1.82	34.62	24.00
Vel Total (ft/s)	4.43	Avg. Vel. (ft/s)	1.24	5.24	1.11
Max Chl Dpth (ft)	1.60	Hydr. Depth (ft)	0.40	0.93	0.30
Conv. Total (cfs)	1359.7	Conv. (cfs)	6.9	1292.2	60.7
Length Wtd. (ft)	186.26	Wetted Per. (ft)	1.98	34.74	24.06
Min Ch El (ft)	548.68	Shear (lb/sq ft)	0.39	0.98	0.31
Alpha	1.33	Stream Power (lb/ft s)	566.88	0.00	0.00
Frctn Loss (ft)	3.21	Cum Volume (acre-ft)	0.05	0.53	0.08
C & E Loss (ft)	0.02	Cum SA (acres)	0.01	0.44	0.08

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	550.84	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	550.39	Reach Len. (ft)	173.53	187.10	150.89
Crit W.S. (ft)	550.39	Flow Area (sq ft)	0.94	35.89	9.92
E.G. Slope (ft/ft)	0.016425	Area (sq ft)	0.94	35.89	9.92
Q Total (cfs)	213.00	Flow (cfs)	1.24	199.56	12.20
Top Width (ft)	64.10	Top Width (ft)	2.07	34.62	27.41
Vel Total (ft/s)	4.56	Avg. Vel. (ft/s)	1.33	5.56	1.23
Max Chl Dpth (ft)	1.71	Hydr. Depth (ft)	0.45	1.04	0.36
Conv. Total (cfs)	1662.0	Conv. (cfs)	9.7	1557.1	95.2
Length Wtd. (ft)	186.02	Wetted Per. (ft)	2.26	34.74	27.49
Min Ch El (ft)	548.68	Shear (lb/sq ft)	0.43	1.06	0.37
Alpha	1.40	Stream Power (lb/ft s)	566.88	0.00	0.00
Frctn Loss (ft)	3.11	Cum Volume (acre-ft)	0.07	0.61	0.10
C & E Loss (ft)	0.02	Cum SA (acres)	0.04	0.45	0.09

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 685.446

INPUT
Description:
Station Elevation Data num= 116

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	540.33	4.89	540.29	9.77	540.29	14.66	540.21	19.54	540.1
24.43	540.15	29.31	540.34	34.2	540.65	39.09	541.27	43.97	541.87
48.86	541.81	53.74	541.45	58.63	540.76	63.51	539.97	68.4	539.05
73.29	539.11	78.17	538.99	83.06	538.96	87.94	538.97	92.83	538.84
97.71	538.73	102.6	538.77	107.49	538.6	112.37	538.23	117.26	538.09
122.14	537.94	127.03	537.6	131.91	537.07	136.8	537.02	141.69	536.93

```
 146.57  537.23  151.46  537.59  156.34  537.91  161.23  538.57  166.12  538.43
    171  538.23  175.89  538.13  180.77   538.3  185.66  538.18  190.54  537.71
 195.43   537.4  200.32  537.18   205.2  536.99  210.09   537.1  215.07  537.27
 220.05  537.31  225.02  537.54     230  537.95  234.98  537.79  239.96  537.47
 244.94  537.32  249.92  537.23   254.9  537.03  259.88  536.86  264.86  536.68
 269.84  536.73  274.82  537.02   279.8  536.86  284.78   536.1  289.76  535.04
 294.74  533.56  299.71  531.81  304.69  530.23  306.19  530.14  309.67  529.94
 310.98  530.07  314.65  530.43  319.63  531.14  324.61  531.94  329.59  532.37
 334.57  532.32  339.55  532.25  344.53  532.61  349.51  533.41  354.49  534.59
 359.47  535.58  364.45  536.21  369.43  536.84  374.41  537.24  379.39  537.43
 384.37     538  389.35  538.74  394.33  538.95  399.31   538.8  404.29  538.46
 409.27  538.24  414.26  538.21  419.24  538.26  424.22  538.46   429.2  538.75
 434.18  538.82  439.16  538.28  444.14  537.95  449.12  539.42   454.1   540.2
 459.08  540.36  464.06  540.56  469.04  540.65  474.02  540.73     479  541.13
 483.98  541.27  488.96  541.51  493.94   541.8  498.93  542.09  503.91  542.33
 508.89  542.76  513.87  543.08  518.85  543.45  523.83  543.99  528.81   544.7
 533.79  545.21  538.77  545.49  543.75  545.73  548.73  546.03  553.71   546.3
 558.69  546.73

Manning's n Values         num=       3
     Sta    n Val      Sta    n Val      Sta    n Val
*******************************************************
       0      .08   299.71    .035   324.61      .08

Bank Sta: Left   Right     Lengths: Left Channel   Right       Coeff Contr.    Expan.
        299.71  324.61              142.56     162  152.69                .1        .3

CROSS SECTION OUTPUT  Profile #5-year flow
*********************************************************************************************
* E.G. Elev (ft)           *   531.72  * Element                 *  Left OB *  Channel * Right OB *
* Vel Head (ft)            *     0.42  * Wt. n-Val.              *          *    0.035 *          *
* W.S. Elev (ft)           *   531.29  * Reach Len. (ft)         *   142.56 *   162.00 *   152.69 *
* Crit W.S. (ft)           *   531.29  * Flow Area (sq ft)       *          *    15.95 *          *
* E.G. Slope (ft/ft)       * 0.019656  * Area (sq ft)            *          *    15.95 *          *
* Q Total (cfs)            *    83.00  * Flow (cfs)              *          *    83.00 *          *
* Top Width (ft)           *    19.26  * Top Width (ft)          *          *    19.26 *          *
* Vel Total (ft/s)         *     5.20  * Avg. Vel. (ft/s)        *          *     5.20 *          *
* Max Chl Dpth (ft)        *     1.35  * Hydr. Depth (ft)        *          *     0.83 *          *
* Conv. Total (cfs)        *    592.0  * Conv. (cfs)             *          *    592.0 *          *
* Length Wtd. (ft)         *   162.00  * Wetted Per. (ft)        *          *    19.52 *          *
* Min Ch El (ft)           *   529.94  * Shear (lb/sq ft)        *          *     1.00 *          *
* Alpha                    *     1.00  * Stream Power (lb/ft s)  *   558.69 *     0.00 *     0.00 *
* Frctn Loss (ft)          *     3.15  * Cum Volume (acre-ft)    *     0.03 *     0.22 *     0.04 *
* C & E Loss (ft)          *     0.01  * Cum SA (acres)          *          *     0.23 *     0.03 *
*********************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #10-year flow
*********************************************************************************************
* E.G. Elev (ft)           *   531.93  * Element                 *  Left OB *  Channel * Right OB *
* Vel Head (ft)            *     0.47  * Wt. n-Val.              *          *    0.035 *          *
* W.S. Elev (ft)           *   531.46  * Reach Len. (ft)         *   142.56 *   162.00 *   152.69 *
* Crit W.S. (ft)           *   531.46  * Flow Area (sq ft)       *          *    19.26 *          *
* E.G. Slope (ft/ft)       * 0.018980  * Area (sq ft)            *          *    19.26 *          *
* Q Total (cfs)            *   106.00  * Flow (cfs)              *          *   106.00 *          *
* Top Width (ft)           *    20.81  * Top Width (ft)          *          *    20.81 *          *
* Vel Total (ft/s)         *     5.50  * Avg. Vel. (ft/s)        *          *     5.50 *          *
* Max Chl Dpth (ft)        *     1.52  * Hydr. Depth (ft)        *          *     0.93 *          *
* Conv. Total (cfs)        *    769.4  * Conv. (cfs)             *          *    769.4 *          *
* Length Wtd. (ft)         *   162.00  * Wetted Per. (ft)        *          *    21.11 *          *
* Min Ch El (ft)           *   529.94  * Shear (lb/sq ft)        *          *     1.08 *          *
* Alpha                    *     1.00  * Stream Power (lb/ft s)  *   558.69 *     0.00 *     0.00 *
* Frctn Loss (ft)          *     3.04  * Cum Volume (acre-ft)    *     0.04 *     0.27 *     0.05 *
* C & E Loss (ft)          *     0.01  * Cum SA (acres)          *          *     0.25 *     0.03 *
*********************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #25-year flow
*********************************************************************************************
* E.G. Elev (ft)           *   532.24  * Element                 *  Left OB *  Channel * Right OB *
* Vel Head (ft)            *     0.54  * Wt. n-Val.              *          *    0.035 *          *
* W.S. Elev (ft)           *   531.70  * Reach Len. (ft)         *   142.56 *   162.00 *   152.69 *
* Crit W.S. (ft)           *   531.70  * Flow Area (sq ft)       *          *    24.55 *          *
* E.G. Slope (ft/ft)       * 0.018174  * Area (sq ft)            *          *    24.55 *          *
* Q Total (cfs)            *   145.00  * Flow (cfs)              *          *   145.00 *          *
* Top Width (ft)           *    23.07  * Top Width (ft)          *          *    23.07 *          *
* Vel Total (ft/s)         *     5.91  * Avg. Vel. (ft/s)        *          *     5.91 *          *
* Max Chl Dpth (ft)        *     1.76  * Hydr. Depth (ft)        *          *     1.06 *          *
* Conv. Total (cfs)        *   1075.6  * Conv. (cfs)             *          *   1075.6 *          *
* Length Wtd. (ft)         *   162.00  * Wetted Per. (ft)        *          *    23.42 *          *
* Min Ch El (ft)           *   529.94  * Shear (lb/sq ft)        *          *     1.19 *          *
* Alpha                    *     1.00  * Stream Power (lb/ft s)  *   558.69 *     0.00 *     0.00 *
* Frctn Loss (ft)          *     2.93  * Cum Volume (acre-ft)    *     0.04 *     0.34 *     0.06 *
* C & E Loss (ft)          *     0.00  * Cum SA (acres)          *          *     0.29 *     0.03 *
*********************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program

defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	532.47	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.59	Wt. n-Val.	0.001	0.035	
W.S. Elev (ft)	531.87	Reach Len. (ft)	142.56	162.00	152.69
Crit W.S. (ft)	531.87	Flow Area (sq ft)	0.01	28.63	
E.G. Slope (ft/ft)	0.017569	Area (sq ft)	0.01	28.63	
Q Total (cfs)	177.00	Flow (cfs)	0.00	177.00	
Top Width (ft)	24.65	Top Width (ft)	0.18	24.48	
Vel Total (ft/s)	6.18	Avg. Vel. (ft/s)	0.23	6.18	
Max Chl Dpth (ft)	1.93	Hydr. Depth (ft)	0.03	1.17	
Conv. Total (cfs)	1335.4	Conv. (cfs)	0.0	1335.3	
Length Wtd. (ft)	162.00	Wetted Per. (ft)	0.19	24.86	
Min Ch El (ft)	529.94	Shear (lb/sq ft)		1.26	
Alpha	1.00	Stream Power (lb/ft s)	558.69	0.00	0.00
Frctn Loss (ft)	2.87	Cum Volume (acre-ft)	0.05	0.40	0.07
C & E Loss (ft)	0.00	Cum SA (acres)	0.01	0.31	0.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	532.69	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.67	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	532.03	Reach Len. (ft)	142.56	162.00	152.69
Crit W.S. (ft)	532.03	Flow Area (sq ft)	0.07	32.50	0.04
E.G. Slope (ft/ft)	0.017055	Area (sq ft)	0.07	32.50	0.04
Q Total (cfs)	213.00	Flow (cfs)	0.04	212.95	0.01
Top Width (ft)	26.54	Top Width (ft)	0.62	24.90	1.02
Vel Total (ft/s)	6.53	Avg. Vel. (ft/s)	0.53	6.55	0.30
Max Chl Dpth (ft)	2.09	Hydr. Depth (ft)	0.11	1.31	0.04
Conv. Total (cfs)	1631.0	Conv. (cfs)	0.3	1630.6	0.1
Length Wtd. (ft)	161.99	Wetted Per. (ft)	0.66	25.29	1.02
Min Ch El (ft)	529.94	Shear (lb/sq ft)	0.11	1.37	0.05
Alpha	1.01	Stream Power (lb/ft s)	558.69	0.00	0.00
Frctn Loss (ft)	2.74	Cum Volume (acre-ft)	0.06	0.47	0.09
C & E Loss (ft)	0.00	Cum SA (acres)	0.04	0.32	0.05

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 523.4422

INPUT
Description:
Station Elevation Data num= 110

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	528.01	4.89	527.81	9.77	527.44	14.66	526.83	19.54	526.42
24.43	526.38	29.31	526.26	34.2	525.96	39.08	525.45	43.97	525.21
48.85	524.95	53.74	524.74	58.62	524.47	63.51	524.31	68.39	524.06
73.28	523.78	78.16	523.54	83.05	523.55	87.93	523.69	92.82	523.74
97.7	523.84	102.59	523.88	107.47	523.72	112.36	523.71	117.24	523.68
122.13	523.81	127.01	524.04	131.9	523.99	136.78	524.29	141.67	524.67
146.56	524.78	151.44	524.68	156.33	524.64	161.21	525.01	166.1	525.1
170.98	524.73	175.87	524.49	180.75	524.56	185.64	524.26	190.52	523.72
195.39	523.36	200.27	523.22	205.15	522.85	210.03	522.63	214.91	522.02
219.79	521.38	224.67	520.91	229.55	520.45	234.43	520.11	239.31	519.96
244.18	519.92	249.06	519.79	253.94	519.62	258.82	519.39	263.7	519.18
268.58	518.84	273.46	518.03	278.34	517.03	280.02	517.07	283.22	517.13
284	517.48	288.09	519.32	292.97	522.39	297.85	524.33	302.73	524.57
307.61	524.59	312.49	524.49	317.37	524.7	322.25	524.8	327.13	524.86
332.01	524.79	336.88	524.75	341.76	524.94	346.64	525.22	351.51	525.82
356.38	526.28	361.25	526.52	366.12	526.67	370.99	526.8	375.86	526.89
380.73	527	385.6	527.32	390.47	527.59	395.34	528.02	400.21	528.2
405.08	528.26	409.95	528.09	414.82	527.21	419.69	526.44	424.56	526.75
429.43	527.25	434.3	527.82	439.17	528.1	444.04	528.27	448.91	528.54
453.78	528.67	458.65	528.8	463.52	528.71	468.39	528.78	473.26	529.02
478.13	529.22	483	529.24	487.87	529.19	492.74	529.46	497.61	529.73
502.48	530.04	507.35	530.34	512.22	530.38	517.09	530.59	521.96	530.84

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	263.7	.035	288.09	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
263.7	288.09	155.73	154.32	143.88	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	519.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.48	Wt. n-Val.		0.035	
W.S. Elev (ft)	518.54	Reach Len. (ft)	155.73	154.32	143.88
Crit W.S. (ft)	518.54	Flow Area (sq ft)		14.96	
E.G. Slope (ft/ft)	0.019268	Area (sq ft)		14.96	
Q Total (cfs)	83.00	Flow (cfs)		83.00	

```
* Top Width (ft)        *   15.93  * Top Width (ft)        *         *  15.93  *         *
* Vel Total (ft/s)      *    5.55  * Avg. Vel. (ft/s)      *         *   5.55  *         *
* Max Chl Dpth (ft)     *    1.51  * Hydr. Depth (ft)      *         *   0.94  *         *
* Conv. Total (cfs)     *   597.9  * Conv. (cfs)           *         *  597.9  *         *
* Length Wtd. (ft)      *  154.32  * Wetted Per. (ft)      *         *  16.37  *         *
* Min Ch El (ft)        *  517.03  * Shear (lb/sq ft)      *         *   1.10  *         *
* Alpha                 *    1.00  * Stream Power (lb/ft s) * 521.96 *   0.00  *   0.00  *
* Frctn Loss (ft)       *    2.95  * Cum Volume (acre-ft)  *   0.03  *   0.16  *   0.04  *
* C & E Loss (ft)       *    0.01  * Cum SA (acres)        *         *   0.16  *   0.03  *
*******************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #10-year flow
*******************************************************************************************
* E.G. Elev (ft)        *  519.26  * Element               * Left OB * Channel * Right OB *
* Vel Head (ft)         *    0.53  * Wt. n-Val.            *         *  0.035  *         *
* W.S. Elev (ft)        *  518.73  * Reach Len. (ft)       * 155.73  * 154.32  * 143.88  *
* Crit W.S. (ft)        *  518.73  * Flow Area (sq ft)     *         *  18.20  *         *
* E.G. Slope (ft/ft)    *0.018587  * Area (sq ft)          *         *  18.20  *         *
* Q Total (cfs)         *  106.00  * Flow (cfs)            *         * 106.00  *         *
* Top Width (ft)        *   17.53  * Top Width (ft)        *         *  17.53  *         *
* Vel Total (ft/s)      *    5.82  * Avg. Vel. (ft/s)      *         *   5.82  *         *
* Max Chl Dpth (ft)     *    1.70  * Hydr. Depth (ft)      *         *   1.04  *         *
* Conv. Total (cfs)     *   777.5  * Conv. (cfs)           *         *  777.5  *         *
* Length Wtd. (ft)      *  154.32  * Wetted Per. (ft)      *         *  18.03  *         *
* Min Ch El (ft)        *  517.03  * Shear (lb/sq ft)      *         *   1.17  *         *
* Alpha                 *    1.00  * Stream Power (lb/ft s) * 521.96 *   0.00  *   0.00  *
* Frctn Loss (ft)       *    2.85  * Cum Volume (acre-ft)  *   0.04  *   0.20  *   0.05  *
* C & E Loss (ft)       *    0.01  * Cum SA (acres)        *         *   0.18  *   0.03  *
*******************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #25-year flow
*******************************************************************************************
* E.G. Elev (ft)        *  519.60  * Element               * Left OB * Channel * Right OB *
* Vel Head (ft)         *    0.56  * Wt. n-Val.            *         *  0.035  *         *
* W.S. Elev (ft)        *  519.04  * Reach Len. (ft)       * 155.73  * 154.32  * 143.88  *
* Crit W.S. (ft)        *  519.04  * Flow Area (sq ft)     *         *  24.11  *         *
* E.G. Slope (ft/ft)    *0.018039  * Area (sq ft)          *         *  24.11  *         *
* Q Total (cfs)         *  145.00  * Flow (cfs)            *         * 145.00  *         *
* Top Width (ft)        *   21.68  * Top Width (ft)        *         *  21.68  *         *
* Vel Total (ft/s)      *    6.01  * Avg. Vel. (ft/s)      *         *   6.01  *         *
* Max Chl Dpth (ft)     *    2.01  * Hydr. Depth (ft)      *         *   1.11  *         *
* Conv. Total (cfs)     *  1079.6  * Conv. (cfs)           *         * 1079.6  *         *
* Length Wtd. (ft)      *  154.32  * Wetted Per. (ft)      *         *  22.26  *         *
* Min Ch El (ft)        *  517.03  * Shear (lb/sq ft)      *         *   1.22  *         *
* Alpha                 *    1.00  * Stream Power (lb/ft s) * 521.96 *   0.00  *   0.00  *
* Frctn Loss (ft)       *    2.76  * Cum Volume (acre-ft)  *   0.04  *   0.25  *   0.06  *
* C & E Loss (ft)       *    0.01  * Cum SA (acres)        *         *   0.21  *   0.03  *
*******************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #50-year flow
*******************************************************************************************
* E.G. Elev (ft)        *  519.82  * Element               * Left OB * Channel * Right OB *
* Vel Head (ft)         *    0.60  * Wt. n-Val.            *  0.080  *  0.035  *         *
* W.S. Elev (ft)        *  519.22  * Reach Len. (ft)       * 155.73  * 154.32  * 143.88  *
* Crit W.S. (ft)        *  519.22  * Flow Area (sq ft)     *   0.02  *  28.47  *         *
* E.G. Slope (ft/ft)    *0.017836  * Area (sq ft)          *   0.02  *  28.47  *         *
* Q Total (cfs)         *  177.00  * Flow (cfs)            *   0.00  * 177.00  *         *
* Top Width (ft)        *   25.19  * Top Width (ft)        *   1.01  *  24.18  *         *
* Vel Total (ft/s)      *    6.21  * Avg. Vel. (ft/s)      *   0.19  *   6.22  *         *
* Max Chl Dpth (ft)     *    2.19  * Hydr. Depth (ft)      *   0.02  *   1.18  *         *
* Conv. Total (cfs)     *  1325.3  * Conv. (cfs)           *    0.0  * 1325.3  *         *
* Length Wtd. (ft)      *  154.32  * Wetted Per. (ft)      *   1.01  *  24.81  *         *
* Min Ch El (ft)        *  517.03  * Shear (lb/sq ft)      *   0.02  *   1.28  *         *
* Alpha                 *    1.00  * Stream Power (lb/ft s) * 521.96 *   0.00  *   0.00  *
* Frctn Loss (ft)       *    2.72  * Cum Volume (acre-ft)  *   0.05  *   0.30  *   0.07  *
* C & E Loss (ft)       *    0.01  * Cum SA (acres)        *   0.01  *   0.22  *   0.04  *
*******************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #100-year flow
*******************************************************************************************
* E.G. Elev (ft)        *  520.05  * Element               * Left OB * Channel * Right OB *
* Vel Head (ft)         *    0.67  * Wt. n-Val.            *  0.080  *  0.035  *  0.001  *
* W.S. Elev (ft)        *  519.39  * Reach Len. (ft)       * 155.73  * 154.32  * 143.88  *
* Crit W.S. (ft)        *  519.39  * Flow Area (sq ft)     *   0.50  *  32.48  *   0.00  *
```

```
                                                                          CalifonFloodplainSt
* E.G. Slope (ft/ft)      *0.016820  * Area (sq ft)            *    0.50  *   32.48  *    0.00  *
* Q Total (cfs)           *  213.00  * Flow (cfs)              *    0.27  *  212.73  *    0.00  *
* Top Width (ft)          *   29.34  * Top Width (ft)          *    4.84  *   24.39  *    0.11  *
* Vel Total (ft/s)        *    6.46  * Avg. Vel. (ft/s)        *    0.53  *    6.55  *    0.23  *
* Max Chl Dpth (ft)       *    2.36  * Hydr. Depth (ft)        *    0.10  *    1.33  *    0.03  *
* Conv. Total (cfs)       *  1642.4  * Conv. (cfs)             *     2.1  *  1640.3  *     0.0  *
* Length Wtd. (ft)        *  154.32  * Wetted Per. (ft)        *    4.84  *   25.04  *    0.13  *
* Min Ch El (ft)          *  517.03  * Shear (lb/sq ft)        *    0.11  *    1.36  *          *
* Alpha                   *    1.03  * Stream Power (lb/ft s)  *  521.96  *    0.00  *    0.00  *
* Frctn Loss (ft)         *    2.52  * Cum Volume (acre-ft)    *    0.06  *    0.35  *    0.09  *
* C & E Loss (ft)         *    0.01  * Cum SA (acres)          *    0.03  *    0.23  *    0.04  *
*************************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

```
RIVER: Unnamed_Trib
REACH: West_Reach          RS: 369.1193

INPUT
Description:
Station Elevation Data     num=       98
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
*******************************************************************************************
       0   513.26     4.93   513.16     9.86   513.28    14.79   513.41    19.72   513.21
   24.65   513.12    29.58   513.28    34.51   513.66    39.45   514.03    44.38   514.23
   49.31   514.44    54.24   514.25    59.17   514.42     64.1   515.12    69.03   515.42
   73.96   515.23    78.89   515.17    83.82   515.29    88.75   515.07    93.68   514.95
   98.61   514.87   103.54   514.76   108.48   514.48   113.41    513.9   118.34   513.48
  123.27   512.76    128.2   512.27   133.13   511.73   138.06   511.14   142.99    510.8
  147.92   510.74   152.85   510.57   157.78   510.14   162.73   510.08   167.67   510.39
  172.61   510.49   177.56   509.92    182.5   509.58   187.44   509.42   192.39    509.5
  197.33   509.72   202.27   509.74   207.22   509.63   212.16   509.16    217.1   507.15
  221.58   506.64   222.05   506.59   226.23   508.14   226.99   508.43   231.93   509.35
  236.88   509.46   241.82   509.49   246.76   509.94    251.7   510.56   256.65   510.92
  261.59   511.36   266.53   511.91   271.48    512.4   276.42   512.71   281.36   513.04
  286.31   513.37   291.27   513.64   296.22   513.81   301.18   514.07   306.14   514.45
  311.09   515.01   316.05   515.52   321.01   515.76   325.97   516.21   330.92   516.28
  335.88   516.45   340.84   516.39   345.79   516.38   350.75   515.71   355.71   516.08
  360.67   517.16   365.62   517.66   370.58   517.77   375.54   518.13   380.49   518.41
  385.45   518.61   390.41   518.94   395.37   518.93   400.32   519.04   405.28   519.09
  410.24   519.13   415.19   519.12   420.15   519.07   425.11   519.24   430.07   519.36
  435.02   519.73   439.98    519.9   444.94   520.07   449.89   519.97   454.85   520.08
  459.81   520.34   464.77   520.64   469.72      521

Manning's n Values         num=        3
     Sta    n Val      Sta    n Val      Sta    n Val
*****************************************************
       0      .08   212.16     .035   231.93      .08

Bank Sta: Left    Right    Lengths: Left Channel   Right      Coeff Contr.    Expan.
        212.16   231.93             139.15  136.94  124.26               .1        .3
```

```
CROSS SECTION OUTPUT  Profile #5-year flow
*************************************************************************************************
* E.G. Elev (ft)          *  508.95  * Element                 * Left OB  * Channel  * Right OB *
* Vel Head (ft)           *    0.55  * Wt. n-Val.              *          *    0.035 *          *
* W.S. Elev (ft)          *  508.40  * Reach Len. (ft)         *  139.15  *  136.94  *  124.26  *
* Crit W.S. (ft)          *  508.40  * Flow Area (sq ft)       *          *   13.91  *          *
* E.G. Slope (ft/ft)      *0.018948  * Area (sq ft)            *          *   13.91  *          *
* Q Total (cfs)           *   83.00  * Flow (cfs)              *          *   83.00  *          *
* Top Width (ft)          *   12.88  * Top Width (ft)          *          *   12.88  *          *
* Vel Total (ft/s)        *    5.97  * Avg. Vel. (ft/s)        *          *    5.97  *          *
* Max Chl Dpth (ft)       *    1.81  * Hydr. Depth (ft)        *          *    1.08  *          *
* Conv. Total (cfs)       *   603.0  * Conv. (cfs)             *          *   603.0  *          *
* Length Wtd. (ft)        *  136.94  * Wetted Per. (ft)        *          *   13.48  *          *
* Min Ch El (ft)          *  506.59  * Shear (lb/sq ft)        *          *    1.22  *          *
* Alpha                   *    1.00  * Stream Power (lb/ft s)  *  469.72  *    0.00  *    0.00  *
* Frctn Loss (ft)         *    2.64  * Cum Volume (acre-ft)    *    0.03  *    0.11  *    0.04  *
* C & E Loss (ft)         *    0.03  * Cum SA (acres)          *          *    0.11  *    0.03  *
*************************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #10-year flow
*************************************************************************************************
* E.G. Elev (ft)          *  509.23  * Element                 * Left OB  * Channel  * Right OB *
* Vel Head (ft)           *    0.60  * Wt. n-Val.              *          *    0.035 *          *
* W.S. Elev (ft)          *  508.63  * Reach Len. (ft)         *  139.15  *  136.94  *  124.26  *
* Crit W.S. (ft)          *  508.63  * Flow Area (sq ft)       *          *   17.12  *          *
* E.G. Slope (ft/ft)      *0.018323  * Area (sq ft)            *          *   17.12  *          *
* Q Total (cfs)           *  106.00  * Flow (cfs)              *          *  106.00  *          *
* Top Width (ft)          *   14.63  * Top Width (ft)          *          *   14.63  *          *
* Vel Total (ft/s)        *    6.19  * Avg. Vel. (ft/s)        *          *    6.19  *          *
* Max Chl Dpth (ft)       *    2.04  * Hydr. Depth (ft)        *          *    1.17  *          *
* Conv. Total (cfs)       *   783.1  * Conv. (cfs)             *          *   783.1  *          *
* Length Wtd. (ft)        *  136.94  * Wetted Per. (ft)        *          *   15.30  *          *
* Min Ch El (ft)          *  506.59  * Shear (lb/sq ft)        *          *    1.28  *          *
* Alpha                   *    1.00  * Stream Power (lb/ft s)  *  469.72  *    0.00  *    0.00  *
* Frctn Loss (ft)         *    2.54  * Cum Volume (acre-ft)    *    0.04  *    0.14  *    0.05  *
* C & E Loss (ft)         *    0.03  * Cum SA (acres)          *          *    0.12  *    0.03  *
*************************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	509.62	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.66	Wt. n-Val.		0.035	
W.S. Elev (ft)	508.95	Reach Len. (ft)	139.15	136.94	124.26
Crit W.S. (ft)	508.95	Flow Area (sq ft)		22.22	
E.G. Slope (ft/ft)	0.017719	Area (sq ft)		22.22	
Q Total (cfs)	145.00	Flow (cfs)		145.00	
Top Width (ft)	17.14	Top Width (ft)		17.14	
Vel Total (ft/s)	6.53	Avg. Vel. (ft/s)		6.53	
Max Chl Dpth (ft)	2.36	Hydr. Depth (ft)		1.30	
Conv. Total (cfs)	1089.3	Conv. (cfs)		1089.3	
Length Wtd. (ft)	136.94	Wetted Per. (ft)		17.91	
Min Ch El (ft)	506.59	Shear (lb/sq ft)		1.37	
Alpha	1.00	Stream Power (lb/ft s)	469.72	0.00	0.00
Frctn Loss (ft)	2.46	Cum Volume (acre-ft)	0.04	0.17	0.06
C & E Loss (ft)	0.04	Cum SA (acres)		0.14	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	509.88	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.71	Wt. n-Val.	0.000	0.035	
W.S. Elev (ft)	509.17	Reach Len. (ft)	139.15	136.94	124.26
Crit W.S. (ft)	509.17	Flow Area (sq ft)	0.00	26.13	
E.G. Slope (ft/ft)	0.017389	Area (sq ft)	0.00	26.13	
Q Total (cfs)	177.00	Flow (cfs)	0.00	177.00	
Top Width (ft)	18.94	Top Width (ft)	0.13	18.81	
Vel Total (ft/s)	6.77	Avg. Vel. (ft/s)	0.08	6.77	
Max Chl Dpth (ft)	2.58	Hydr. Depth (ft)	0.01	1.39	
Conv. Total (cfs)	1342.2	Conv. (cfs)	0.0	1342.2	
Length Wtd. (ft)	136.94	Wetted Per. (ft)	0.13	19.64	
Min Ch El (ft)	506.59	Shear (lb/sq ft)		1.44	
Alpha	1.00	Stream Power (lb/ft s)	469.72	0.00	0.00
Frctn Loss (ft)	2.43	Cum Volume (acre-ft)	0.05	0.20	0.07
C & E Loss (ft)	0.04	Cum SA (acres)	0.00	0.15	0.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	510.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.75	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	509.40	Reach Len. (ft)	139.15	136.94	124.26
Crit W.S. (ft)	509.40	Flow Area (sq ft)	0.31	30.61	0.06
E.G. Slope (ft/ft)	0.015834	Area (sq ft)	0.31	30.61	0.06
Q Total (cfs)	213.00	Flow (cfs)	0.18	212.81	0.01
Top Width (ft)	24.69	Top Width (ft)	2.55	19.77	2.37
Vel Total (ft/s)	6.88	Avg. Vel. (ft/s)	0.57	6.95	0.21
Max Chl Dpth (ft)	2.81	Hydr. Depth (ft)	0.12	1.55	0.03
Conv. Total (cfs)	1692.7	Conv. (cfs)	1.4	1691.2	0.1
Length Wtd. (ft)	136.94	Wetted Per. (ft)	2.56	20.61	2.37
Min Ch El (ft)	506.59	Shear (lb/sq ft)	0.12	1.47	0.03
Alpha	1.02	Stream Power (lb/ft s)	469.72	0.00	0.00
Frctn Loss (ft)	2.26	Cum Volume (acre-ft)	0.06	0.23	0.09
C & E Loss (ft)	0.04	Cum SA (acres)	0.01	0.15	0.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 232.1771

INPUT
Description:
Station Elevation Data num= 102

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	505.18	4.89	505.14	9.78	505.05	14.67	505.09	19.56	505.67
24.46	506.55	29.35	507.08	34.24	507.25	39.13	507.29	44.02	507.29
48.91	507.23	53.8	507.17	58.69	507.15	63.58	507.2	68.47	507.16
73.37	506.8	78.26	506.23	83.15	505.76	88.04	505.45	92.93	505.72
97.82	506.04	102.71	506.32	107.6	506.41	112.49	505.93	117.38	505.31

122.28	504.72	127.17	504.46	132.06	504.03	136.95	503.61	141.84	503.43
146.73	503.34	151.62	503.27	156.51	503.25	161.4	503.23	166.29	503.43
171.19	503.52	176.08	503.51	180.97	503.41	185.86	502.99	190.75	502.8
195.64	502.41	200.53	501.97	205.32	501.76	210.11	501.86	214.89	501.65
219.68	501.19	224.47	500.69	229.26	499.85	233.39	499.16	234.04	499.06
236.4	499.25	238.83	499.44	243.62	500.89	248.41	501.68	253.19	502.56
257.98	502.77	262.77	502.94	267.55	502.99	272.34	502.55	277.13	502.73
281.92	503.69	286.7	504.06	291.49	503.28	296.28	502.91	301.07	503.16
305.85	504.02	310.8	504.76	315.76	505.26	320.71	505.93	325.66	506.31
330.61	506.89	335.56	507.24	340.51	507.48	345.46	507.77	350.41	508.08
355.36	508.6	360.31	508.83	365.26	508.88	370.21	509.03	375.16	509.28
380.11	509.77	385.06	510.08	390.01	510.37	394.96	510.72	399.92	511.03
404.87	511.41	409.82	511.69	414.77	511.99	419.72	512.11	424.67	512.23
429.62	512.5	434.57	512.82	439.52	513.01	444.47	513.13	449.42	513.41
454.37	513.51	459.32	513.67	464.27	513.69	469.22	513.72	474.17	513.96
479.12	514.18	484.08	514.43						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	219.68	.035	248.41	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
219.68	248.41	120.64	122.04	104.9	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	501.03	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.45	Wt. n-Val.		0.035	
W.S. Elev (ft)	500.58	Reach Len. (ft)	120.64	122.04	104.90
Crit W.S. (ft)	500.58	Flow Area (sq ft)		15.40	
E.G. Slope (ft/ft)	0.019559	Area (sq ft)		15.40	
Q Total (cfs)	83.00	Flow (cfs)		83.00	
Top Width (ft)	17.48	Top Width (ft)		17.48	
Vel Total (ft/s)	5.39	Avg. Vel. (ft/s)		5.39	
Max Chl Dpth (ft)	1.52	Hydr. Depth (ft)		0.88	
Conv. Total (cfs)	593.5	Conv. (cfs)		593.5	
Length Wtd. (ft)	119.73	Wetted Per. (ft)		17.80	
Min Ch El (ft)	499.06	Shear (lb/sq ft)		1.06	
Alpha	1.00	Stream Power (lb/ft s)	484.08	0.00	0.00
Frctn Loss (ft)	2.73	Cum Volume (acre-ft)	0.03	0.07	0.04
C & E Loss (ft)	0.06	Cum SA (acres)		0.06	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	501.26	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.49	Wt. n-Val.		0.035	
W.S. Elev (ft)	500.77	Reach Len. (ft)	120.64	122.04	104.90
Crit W.S. (ft)	500.77	Flow Area (sq ft)		18.87	
E.G. Slope (ft/ft)	0.018720	Area (sq ft)		18.87	
Q Total (cfs)	106.00	Flow (cfs)		106.00	
Top Width (ft)	19.48	Top Width (ft)		19.48	
Vel Total (ft/s)	5.62	Avg. Vel. (ft/s)		5.62	
Max Chl Dpth (ft)	1.71	Hydr. Depth (ft)		0.97	
Conv. Total (cfs)	774.7	Conv. (cfs)		774.7	
Length Wtd. (ft)	119.65	Wetted Per. (ft)		19.84	
Min Ch El (ft)	499.06	Shear (lb/sq ft)		1.11	
Alpha	1.00	Stream Power (lb/ft s)	484.08	0.00	0.00
Frctn Loss (ft)	2.64	Cum Volume (acre-ft)	0.04	0.08	0.05
C & E Loss (ft)	0.06	Cum SA (acres)		0.07	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	501.58	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.54	Wt. n-Val.		0.035	
W.S. Elev (ft)	501.04	Reach Len. (ft)	120.64	122.04	104.90
Crit W.S. (ft)	501.04	Flow Area (sq ft)		24.69	
E.G. Slope (ft/ft)	0.018235	Area (sq ft)		24.69	
Q Total (cfs)	145.00	Flow (cfs)		145.00	
Top Width (ft)	23.41	Top Width (ft)		23.41	
Vel Total (ft/s)	5.87	Avg. Vel. (ft/s)		5.87	
Max Chl Dpth (ft)	1.98	Hydr. Depth (ft)		1.05	
Conv. Total (cfs)	1073.8	Conv. (cfs)		1073.8	
Length Wtd. (ft)	119.58	Wetted Per. (ft)		23.80	
Min Ch El (ft)	499.06	Shear (lb/sq ft)		1.18	
Alpha	1.00	Stream Power (lb/ft s)	484.08	0.00	0.00
Frctn Loss (ft)	2.66	Cum Volume (acre-ft)	0.04	0.10	0.06
C & E Loss (ft)	0.05	Cum SA (acres)		0.07	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	501.79	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.58	Wt. n-Val.	0.000	0.035	
W.S. Elev (ft)	501.22	Reach Len. (ft)	120.64	122.04	104.90
Crit W.S. (ft)	501.22	Flow Area (sq ft)	0.00	29.03	
E.G. Slope (ft/ft)	0.018105	Area (sq ft)	0.00	29.03	
Q Total (cfs)	177.00	Flow (cfs)	0.00	177.00	
Top Width (ft)	26.17	Top Width (ft)	0.26	25.91	
Vel Total (ft/s)	6.10	Avg. Vel. (ft/s)	0.13	6.10	
Max Chl Dpth (ft)	2.16	Hydr. Depth (ft)	0.01	1.12	
Conv. Total (cfs)	1315.4	Conv. (cfs)	0.0	1315.4	
Length Wtd. (ft)	119.58	Wetted Per. (ft)	0.26	26.33	
Min Ch El (ft)	499.06	Shear (lb/sq ft)		1.25	
Alpha	1.00	Stream Power (lb/ft s)	484.08	0.00	0.00
Frctn Loss (ft)	2.39	Cum Volume (acre-ft)	0.05	0.11	0.07
C & E Loss (ft)	0.06	Cum SA (acres)	0.00	0.08	0.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	502.01	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.63	Wt. n-Val.	0.080	0.035	
W.S. Elev (ft)	501.38	Reach Len. (ft)	120.64	122.04	104.90
Crit W.S. (ft)	501.38	Flow Area (sq ft)	0.19	33.43	
E.G. Slope (ft/ft)	0.017228	Area (sq ft)	0.19	33.43	
Q Total (cfs)	213.00	Flow (cfs)	0.10	212.90	
Top Width (ft)	28.91	Top Width (ft)	1.99	26.92	
Vel Total (ft/s)	6.34	Avg. Vel. (ft/s)	0.51	6.37	
Max Chl Dpth (ft)	2.32	Hydr. Depth (ft)	0.10	1.24	
Conv. Total (cfs)	1622.8	Conv. (cfs)	0.7	1622.0	
Length Wtd. (ft)	119.58	Wetted Per. (ft)	2.00	27.35	
Min Ch El (ft)	499.06	Shear (lb/sq ft)	0.10	1.31	
Alpha	1.01	Stream Power (lb/ft s)	484.08	0.00	0.00
Frctn Loss (ft)	2.11	Cum Volume (acre-ft)	0.06	0.13	0.09
C & E Loss (ft)	0.07	Cum SA (acres)	0.01	0.08	0.04

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: West_Reach RS: 110.1391

INPUT
Description:
Station Elevation Data num= 104

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	500.04	4.97	499.87	9.93	499.74	14.9	499.68	19.86	499.63
24.83	499.74	29.79	499.77	34.76	499.92	39.72	500.12	44.69	500.25
49.65	500.48	54.62	500.74	59.58	500.98	64.55	501.08	69.52	501.14
74.48	501.28	79.45	501.45	84.41	501.45	89.38	501.2	94.34	501.12
99.31	500.86	104.27	500.43	109.24	499.28	114.2	498.44	119.17	498.3
124.13	498.23	129.1	498.22	134.07	498.33	139.03	498.45	144	498.51
148.96	498.62	153.93	498.53	158.89	498.49	163.86	498.4	168.82	498.23
173.79	498.11	178.75	498	183.72	497.82	188.68	497.59	193.65	497.41
198.62	497.22	203.58	496.98	208.55	497.03	213.51	496.95	218.45	497.06
223.38	497.27	228.32	497.7	233.26	498.16	238.2	497.73	243.13	497.39
248.07	497.4	253.01	497.49	257.94	497.15	262.88	496.87	267.82	496.77
272.75	496.81	277.69	496.51	282.63	496.1	287.56	495.68	290.63	495.61
292.5	495.56	297.44	495.11	298.44	495.09	302.37	495.01	307.31	495.25
312.25	495.44	317.18	495.42	322.12	495.36	327.06	495.3	331.99	495.28
336.93	495.56	341.87	496.29	346.8	497.12	351.74	497.69	356.68	497.75
361.62	498.54	366.55	499.03	371.4	499.48	376.25	499.84	381.1	500.27
385.95	500.63	390.8	501	395.65	501.67	400.5	501.99	405.35	502.14
410.2	502.36	415.05	502.69	419.9	503.08	424.75	503.53	429.6	503.77
434.45	504.3	439.3	504.6	444.15	504.96	449	505.49	453.85	505.87
458.7	506.22	463.55	506.47	468.4	506.94	473.25	507.15	478.1	507.21
482.95	507.36	487.8	507.6	492.65	507.83	497.5	508.13		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	282.63	.035	312.25	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
282.63	312.25	49.64	99.47	45.57	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	496.12	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.25	Wt. n-Val.		0.035	0.080
W.S. Elev (ft)	495.87	Reach Len. (ft)	110.00	110.00	110.00
Crit W.S. (ft)	495.87	Flow Area (sq ft)		14.29	12.58
E.G. Slope (ft/ft)	0.026692	Area (sq ft)		14.29	12.58
Q Total (cfs)	88.00	Flow (cfs)		64.93	23.07
Top Width (ft)	53.68	Top Width (ft)		26.91	26.77
Vel Total (ft/s)	3.27	Avg. Vel. (ft/s)		4.54	1.83
Max Chl Dpth (ft)	0.86	Hydr. Depth (ft)		0.53	0.47

			Left OB	Channel	Right OB
Conv. Total (cfs)	538.6	Conv. (cfs)		397.4	141.2
Length Wtd. (ft)	110.00	Wetted Per. (ft)		26.95	26.80
Min Ch El (ft)	495.01	Shear (lb/sq ft)		0.88	0.78
Alpha	1.50	Stream Power (lb/ft s)	497.50	0.00	0.00
Frctn Loss (ft)	1.77	Cum Volume (acre-ft)	0.03	0.03	0.03
C & E Loss (ft)	0.03	Cum SA (acres)			

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	496.25	Wt. n-Val.		0.035	0.080
Vel Head (ft)	0.29	Reach Len. (ft)	110.00	110.00	110.00
W.S. Elev (ft)	495.96	Flow Area (sq ft)		16.88	15.14
Crit W.S. (ft)	495.96	Area (sq ft)		16.88	15.14
E.G. Slope (ft/ft)	0.026069	Flow (cfs)		82.46	30.54
Q Total (cfs)	113.00	Top Width (ft)		28.01	27.41
Top Width (ft)	55.42	Avg. Vel. (ft/s)		4.89	2.02
Vel Total (ft/s)	3.53	Hydr. Depth (ft)		0.60	0.55
Max Chl Dpth (ft)	0.95	Conv. (cfs)		510.7	189.2
Conv. Total (cfs)	699.9	Wetted Per. (ft)		28.06	27.45
Length Wtd. (ft)	110.00	Shear (lb/sq ft)		0.98	0.90
Min Ch El (ft)	495.01	Stream Power (lb/ft s)	497.50	0.00	0.00
Alpha	1.49	Cum Volume (acre-ft)	0.04	0.03	0.03
Frctn Loss (ft)	2.02	Cum SA (acres)			
C & E Loss (ft)	0.03				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	496.45	Wt. n-Val.		0.035	0.080
Vel Head (ft)	0.36	Reach Len. (ft)	110.00	110.00	110.00
W.S. Elev (ft)	496.09	Flow Area (sq ft)		20.42	18.57
Crit W.S. (ft)	496.09	Area (sq ft)		20.42	18.57
E.G. Slope (ft/ft)	0.027270	Flow (cfs)		111.99	43.01
Q Total (cfs)	155.00	Top Width (ft)		29.46	28.24
Top Width (ft)	57.70	Avg. Vel. (ft/s)		5.48	2.32
Vel Total (ft/s)	3.98	Hydr. Depth (ft)		0.69	0.66
Max Chl Dpth (ft)	1.08	Conv. (cfs)		678.2	260.5
Conv. Total (cfs)	938.6	Wetted Per. (ft)		29.51	28.29
Length Wtd. (ft)	110.00	Shear (lb/sq ft)		1.18	1.12
Min Ch El (ft)	495.01	Stream Power (lb/ft s)	497.50	0.00	0.00
Alpha	1.47	Cum Volume (acre-ft)	0.04	0.03	0.04
Frctn Loss (ft)	2.38	Cum SA (acres)			
C & E Loss (ft)	0.04				

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	496.60	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.37	Reach Len. (ft)	110.00	110.00	110.00
W.S. Elev (ft)	496.23	Flow Area (sq ft)	0.09	24.54	22.56
Crit W.S. (ft)	496.19	Area (sq ft)	0.09	24.54	22.56
E.G. Slope (ft/ft)	0.022120	Flow (cfs)	0.04	136.52	52.43
Q Total (cfs)	189.00	Top Width (ft)	1.51	29.62	29.18
Top Width (ft)	60.32	Avg. Vel. (ft/s)	0.44	5.56	2.32
Vel Total (ft/s)	4.00	Hydr. Depth (ft)	0.06	0.83	0.77
Max Chl Dpth (ft)	1.22	Conv. (cfs)	0.3	918.0	352.6
Conv. Total (cfs)	1270.8	Wetted Per. (ft)	1.52	29.67	29.24
Length Wtd. (ft)	110.00	Shear (lb/sq ft)	0.09	1.14	1.07
Min Ch El (ft)	495.01	Stream Power (lb/ft s)	497.50	0.00	0.00
Alpha	1.49	Cum Volume (acre-ft)	0.05	0.04	0.05
Frctn Loss (ft)	2.38	Cum SA (acres)			
C & E Loss (ft)	0.03				

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	496.76	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.38	Reach Len. (ft)	110.00	110.00	110.00
W.S. Elev (ft)	496.38	Flow Area (sq ft)	0.48	29.15	27.18
Crit W.S. (ft)	496.30	Area (sq ft)	0.48	29.15	27.18
E.G. Slope (ft/ft)	0.018081	Flow (cfs)	0.32	164.44	63.24
Q Total (cfs)	228.00	Top Width (ft)	3.39	29.62	30.16
Top Width (ft)	63.17	Avg. Vel. (ft/s)	0.67	5.64	2.33
Vel Total (ft/s)	4.01	Hydr. Depth (ft)	0.14	0.98	0.90
Max Chl Dpth (ft)	1.37	Conv. (cfs)	2.4	1222.9	470.3
Conv. Total (cfs)	1695.6	Wetted Per. (ft)	3.40	29.67	30.23
Length Wtd. (ft)	110.00	Shear (lb/sq ft)	0.16	1.11	1.01
Min Ch El (ft)	495.01	Stream Power (lb/ft s)	497.50	0.00	0.00
Alpha	1.52	Cum Volume (acre-ft)	0.06	0.05	0.05
Frctn Loss (ft)	2.37	Cum SA (acres)			
C & E Loss (ft)	0.01				

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 508.2322

INPUT
Description:
Station Elevation Data num= 64

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	497.7	4.67	497.7	9.33	497.42	14	496.42	18.67	494.85
23.33	493.87	28	493.66	32.67	493.56	37.33	493.17	42	493.11
46.66	492.96	51.33	492.99	55.56	493.27	59.78	494.01	64	494.96
68.23	495.55	72.45	495.26	76.67	494.19	81.3	492.95	85.93	491.55
89.81	491.38	89.81	489.43	90.56	489.43	91.31	489.43	91.31	491.38
92.45	491.8	95.18	492.4	95.99	492.57	99.81	493.4	104.44	494.02
109.07	494.41	113.69	494.32	118.32	494.31	123.05	494.6	127.78	494.77
132.52	494.78	137.25	494.83	141.98	495.02	146.71	495.34	151.44	495.3
156.17	495.61	160.74	496.11	165.31	496.44	169.88	496.92	174.45	497.61
179.02	498.12	183.59	498.06	188.16	497.81	192.88	497.64	197.6	497.42
202.32	497.52	207.05	497.49	211.77	497.24	216.49	496.91	221.21	496.75
225.93	496.89	230.66	496.93	235.38	497.12	240.1	497.76	244.82	498.36
249.55	498.63	254.27	498.85	258.99	499.01	263.71	499.17		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	89.81	.035	91.31	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
89.81	91.31	13.07	14.27	15.75	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	493.66	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	493.51	Reach Len. (ft)	13.07	14.27	15.75
Crit W.S. (ft)		Flow Area (sq ft)	23.26	6.12	8.92
E.G. Slope (ft/ft)	0.010787	Area (sq ft)	23.26	6.12	8.92
Q Total (cfs)	88.00	Flow (cfs)	42.25	29.34	16.41
Top Width (ft)	45.09	Top Width (ft)	34.27	1.50	9.32
Vel Total (ft/s)	2.30	Avg. Vel. (ft/s)	1.82	4.79	1.84
Max Chl Dpth (ft)	4.08	Hydr. Depth (ft)	0.68	4.08	0.96
Conv. Total (cfs)	847.3	Conv. (cfs)	406.8	282.5	158.0
Length Wtd. (ft)	14.00	Wetted Per. (ft)	34.60	5.40	9.58
Min Ch El (ft)	489.43	Shear (lb/sq ft)	0.45	0.76	0.63
Alpha	1.87	Stream Power (lb/ft s)	263.71	0.00	0.00
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.10	0.26	0.03
C & E Loss (ft)	0.01	Cum SA (acres)	0.39	0.10	0.10

Warning: Divided flow computed for this cross-section.

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	493.82	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	493.63	Reach Len. (ft)	13.07	14.27	15.75
Crit W.S. (ft)		Flow Area (sq ft)	27.74	6.30	10.12
E.G. Slope (ft/ft)	0.013632	Area (sq ft)	27.74	6.30	10.12
Q Total (cfs)	113.00	Flow (cfs)	56.92	34.65	21.42
Top Width (ft)	51.19	Top Width (ft)	39.44	1.50	10.24
Vel Total (ft/s)	2.56	Avg. Vel. (ft/s)	2.05	5.50	2.12
Max Chl Dpth (ft)	4.20	Hydr. Depth (ft)	0.70	4.20	0.99
Conv. Total (cfs)	967.8	Conv. (cfs)	487.5	296.8	183.5
Length Wtd. (ft)	13.96	Wetted Per. (ft)	39.81	5.40	10.50
Min Ch El (ft)	489.43	Shear (lb/sq ft)	0.59	0.99	0.82
Alpha	1.87	Stream Power (lb/ft s)	263.71	0.00	0.00
Frctn Loss (ft)	0.24	Cum Volume (acre-ft)	0.13	0.33	0.04
C & E Loss (ft)	0.01	Cum SA (acres)	0.43	0.11	0.15

Warning: Divided flow computed for this cross-section.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	494.04	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	493.80	Reach Len. (ft)	13.07	14.27	15.75
Crit W.S. (ft)		Flow Area (sq ft)	34.99	6.56	11.97
E.G. Slope (ft/ft)	0.017521	Area (sq ft)	34.99	6.56	11.97
Q Total (cfs)	155.00	Flow (cfs)	83.29	41.97	29.75
Top Width (ft)	58.49	Top Width (ft)	45.48	1.50	11.51
Vel Total (ft/s)	2.90	Avg. Vel. (ft/s)	2.38	6.40	2.48
Max Chl Dpth (ft)	4.37	Hydr. Depth (ft)	0.77	4.37	1.04
Conv. Total (cfs)	1171.0	Conv. (cfs)	629.2	317.1	224.7
Length Wtd. (ft)	13.92	Wetted Per. (ft)	45.88	5.40	11.78
Min Ch El (ft)	489.43	Shear (lb/sq ft)	0.83	1.33	1.11
Alpha	1.83	Stream Power (lb/ft s)	263.71	0.00	0.00
Frctn Loss (ft)	0.30	Cum Volume (acre-ft)	0.18	0.45	0.08
C & E Loss (ft)	0.01	Cum SA (acres)	0.48	0.11	0.20

Warning: Divided flow computed for this cross-section.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	494.19	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.29	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	493.90	Reach Len. (ft)	13.07	14.27	15.75
Crit W.S. (ft)		Flow Area (sq ft)	39.63	6.71	13.14
E.G. Slope (ft/ft)	0.021255	Area (sq ft)	39.63	6.71	13.14

Q Total (cfs)	191.00	Flow (cfs)	106.27	47.98	36.75	
Top Width (ft)	61.80	Top Width (ft)	48.05	1.50	12.25	
Vel Total (ft/s)	3.21	Avg. Vel. (ft/s)	2.68	7.15	2.80	
Max Chl Dpth (ft)	4.47	Hydr. Depth (ft)	0.82	4.47	1.07	
Conv. Total (cfs)	1310.1	Conv. (cfs)	728.9	329.1	252.1	
Length Wtd. (ft)	13.86	Wetted Per. (ft)	48.48	5.40	12.53	
Min Ch El (ft)	489.43	Shear (lb/sq ft)	1.08	1.65	1.39	
Alpha	1.78	Stream Power (lb/ft s)	263.71	0.00	0.00	
Frctn Loss (ft)	0.33	Cum Volume (acre-ft)	0.23	0.54	0.11	
C & E Loss (ft)	0.00	Cum SA (acres)	0.51	0.11	0.24	

Warning: Divided flow computed for this cross-section.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	494.38	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.34	Reach Len. (ft)	13.07	14.27	15.75
W.S. Elev (ft)	494.04	Flow Area (sq ft)	46.36	6.91	14.90
Crit W.S. (ft)		Area (sq ft)	46.36	6.91	14.90
E.G. Slope (ft/ft)	0.025787	Flow (cfs)	143.31	55.58	47.11
Q Total (cfs)	246.00	Top Width (ft)	49.96	1.50	13.36
Top Width (ft)	64.82	Avg. Vel. (ft/s)	3.09	8.04	3.16
Vel Total (ft/s)	3.61	Hydr. Depth (ft)	0.93	4.61	1.12
Max Chl Dpth (ft)	4.61	Conv. (cfs)	892.4	346.1	293.4
Conv. Total (cfs)	1531.9	Wetted Per. (ft)	50.43	5.40	13.65
Length Wtd. (ft)	13.86	Shear (lb/sq ft)	1.48	2.06	1.76
Min Ch El (ft)	489.43	Stream Power (lb/ft s)	263.71	0.00	0.00
Alpha	1.70	Cum Volume (acre-ft)	0.28	0.67	0.15
Frctn Loss (ft)	0.39	Cum SA (acres)	0.54	0.11	0.28
C & E Loss (ft)	0.01				

Warning: Divided flow computed for this cross-section.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 493.9474

INPUT
Description:
Station Elevation Data num= 76

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	495	4.91	495.18	9.82	495.21	14.72	495.43	19.63	495.25
24.54	494.93	29.45	495.29	34.36	495.25	39.26	495.41	44.17	495.25
49.08	494.86	53.99	494.78	58.9	494.97	63.8	494.84	68.71	494.44
73.62	493.82	78.53	493.34	83.29	493.16	88.04	493	92.8	492.72
97.56	492.61	102.32	492.73	107.08	492.8	111.84	492.85	116.6	492.88
121.36	492.76	126.12	493.06	130.87	494.01	135.63	494.53	140.36	493.4
145.08	492.21	148.95	491.86	148.95	489.56	149.8	489.56	150.65	489.56
150.65	491.86	154.52	492.24	155.01	492.31	159.24	492.85	163.96	493.09
168.68	493.27	173.51	493.43	178.35	493.47	183.18	493.45	188.01	493.44
192.84	493.46	197.67	493.57	202.51	493.73	207.34	493.9	212.17	494.08
216.97	494.27	221.77	494.51	226.57	494.86	231.38	495.29	236.18	495.59
240.98	495.88	245.78	495.88	250.58	495.32	255.38	495.08	260.18	495.45
265.01	495.48	269.83	495.81	274.65	495.8	279.47	495.95	284.3	496.13
289.12	496.1	293.94	496.44	298.76	496.99	303.59	497.3	308.41	497.15
313.12	497.33	317.84	498.03	322.56	498.57	327.27	498.87	331.99	498.93
336.71	498.95								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	148.95	.035	150.65	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
148.95	150.65	16.96	16.28	16.13	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	493.45	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.25	Reach Len. (ft)	16.96	16.28	16.13
W.S. Elev (ft)	493.20	Flow Area (sq ft)	22.59	6.19	8.82
Crit W.S. (ft)	493.20	Area (sq ft)	22.59	6.19	8.82
E.G. Slope (ft/ft)	0.019814	Flow (cfs)	36.11	36.60	15.30
Q Total (cfs)	88.00	Top Width (ft)	52.50	1.70	16.28
Top Width (ft)	70.48	Avg. Vel. (ft/s)	1.60	5.91	1.73
Vel Total (ft/s)	2.34	Hydr. Depth (ft)	0.43	3.64	0.54
Max Chl Dpth (ft)	3.64	Conv. (cfs)	256.5	260.0	108.7
Conv. Total (cfs)	625.2	Wetted Per. (ft)	52.68	6.30	16.35
Length Wtd. (ft)	16.59	Shear (lb/sq ft)	0.53	1.22	0.67
Min Ch El (ft)	489.56	Stream Power (lb/ft s)	336.71	0.00	0.00
Alpha	2.94	Cum Volume (acre-ft)	0.09	0.26	0.03
Frctn Loss (ft)	0.37	Cum SA (acres)	0.38	0.10	0.10
C & E Loss (ft)	0.01				

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	493.57	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.27	Reach Len. (ft)	16.96	16.28	16.13
W.S. Elev (ft)	493.30	Flow Area (sq ft)	28.09	6.37	10.61
Crit W.S. (ft)	493.30	Area (sq ft)	28.09	6.37	10.61
E.G. Slope (ft/ft)	0.022698				

			CalifonFloodplainSt		
Q Total (cfs)	113.00	Flow (cfs)	51.97	41.00	20.03
Top Width (ft)	76.86	Top Width (ft)	56.09	1.70	19.07
Vel Total (ft/s)	2.51	Avg. Vel. (ft/s)	1.85	6.44	1.89
Max Chl Dpth (ft)	3.74	Hydr. Depth (ft)	0.50	3.74	0.56
Conv. Total (cfs)	750.0	Conv. (cfs)	345.0	272.1	133.0
Length Wtd. (ft)	16.62	Wetted Per. (ft)	56.29	6.30	19.14
Min Ch El (ft)	489.56	Shear (lb/sq ft)	0.71	1.43	0.79
Alpha	2.74	Stream Power (lb/ft s)	336.71	0.00	0.00
Frctn Loss (ft)	0.40	Cum Volume (acre-ft)	0.12	0.33	0.04
C & E Loss (ft)	0.02	Cum SA (acres)	0.41	0.11	0.15

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	493.73	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	493.43	Reach Len. (ft)	16.96	16.28	16.13
Crit W.S. (ft)	493.43	Flow Area (sq ft)	35.33	6.58	13.24
E.G. Slope (ft/ft)	0.027357	Area (sq ft)	35.33	6.58	13.24
Q Total (cfs)	155.00	Flow (cfs)	79.25	47.55	28.20
Top Width (ft)	83.63	Top Width (ft)	59.07	1.70	22.86
Vel Total (ft/s)	2.81	Avg. Vel. (ft/s)	2.24	7.23	2.13
Max Chl Dpth (ft)	3.87	Hydr. Depth (ft)	0.60	3.87	0.58
Conv. Total (cfs)	937.1	Conv. (cfs)	479.2	287.5	170.5
Length Wtd. (ft)	16.64	Wetted Per. (ft)	59.31	6.30	22.93
Min Ch El (ft)	489.56	Shear (lb/sq ft)	1.02	1.78	0.99
Alpha	2.46	Stream Power (lb/ft s)	336.71	0.00	0.00
Frctn Loss (ft)	0.45	Cum Volume (acre-ft)	0.17	0.45	0.08
C & E Loss (ft)	0.03	Cum SA (acres)	0.46	0.11	0.19

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	493.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	493.58	Reach Len. (ft)	16.96	16.28	16.13
Crit W.S. (ft)	493.58	Flow Area (sq ft)	44.15	6.83	19.27
E.G. Slope (ft/ft)	0.026793	Area (sq ft)	44.15	6.83	19.27
Q Total (cfs)	191.00	Flow (cfs)	108.75	50.05	32.20
Top Width (ft)	110.79	Top Width (ft)	61.90	1.70	47.19
Vel Total (ft/s)	2.72	Avg. Vel. (ft/s)	2.46	7.33	1.67
Max Chl Dpth (ft)	4.02	Hydr. Depth (ft)	0.71	4.02	0.41
Conv. Total (cfs)	1166.9	Conv. (cfs)	664.4	305.8	196.7
Length Wtd. (ft)	16.67	Wetted Per. (ft)	62.18	6.30	47.26
Min Ch El (ft)	489.56	Shear (lb/sq ft)	1.19	1.81	0.68
Alpha	2.44	Stream Power (lb/ft s)	336.71	0.00	0.00
Frctn Loss (ft)	0.52	Cum Volume (acre-ft)	0.21	0.54	0.10
C & E Loss (ft)	0.01	Cum SA (acres)	0.50	0.11	0.23

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	493.98	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.30	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	493.68	Reach Len. (ft)	16.96	16.28	16.13
Crit W.S. (ft)	493.68	Flow Area (sq ft)	50.65	7.00	24.30
E.G. Slope (ft/ft)	0.030448	Area (sq ft)	50.65	7.00	24.30
Q Total (cfs)	246.00	Flow (cfs)	141.90	55.66	48.45
Top Width (ft)	115.93	Top Width (ft)	63.91	1.70	50.32
Vel Total (ft/s)	3.00	Avg. Vel. (ft/s)	2.80	7.95	1.99
Max Chl Dpth (ft)	4.12	Hydr. Depth (ft)	0.79	4.12	0.48
Conv. Total (cfs)	1409.8	Conv. (cfs)	813.2	319.0	277.6
Length Wtd. (ft)	16.68	Wetted Per. (ft)	64.21	6.30	50.39
Min Ch El (ft)	489.56	Shear (lb/sq ft)	1.50	2.11	0.92
Alpha	2.18	Stream Power (lb/ft s)	336.71	0.00	0.00
Frctn Loss (ft)	0.54	Cum Volume (acre-ft)	0.27	0.66	0.14
C & E Loss (ft)	0.02	Cum SA (acres)	0.52	0.11	0.27

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 477.6732

INPUT
Description:
Station Elevation Data num= 86

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	494.82	4.77	494.6	9.55	494.15	14.32	493.76	19.1	493.67
23.87	493.77	28.65	493.9	33.42	493.96	38.2	493.91	42.97	493.9
47.75	493.98	52.52	494.1	57.29	494.19	62.07	494.11	66.84	493.8
71.62	493.75	76.39	493.68	81.17	493.26	85.94	493.21	90.72	493.05
95.49	492.89	100.27	492.81	105.04	492.41	110.04	492.22	115.03	492.31
120.03	492.2	125.02	491.96	130.02	491.67	135.02	491.53	140.01	491.68
145.01	491.94	150	492.06	155	491.91	159.99	491.78	164.99	491.64
169.97	491.72	174.94	491.9	179.92	491.88	182.78	491.72	184.89	491.61
187.23	491.55	189.87	491.48	193.99	491.45	193.99	489.15	194.84	489.15
195.69	489.15	195.69	491.45	199.82	491.55	204.79	491.88	209.77	492.18
214.74	492.11	219.72	492.12	224.69	492.32	229.67	492.73	234.64	493.15
239.62	493.32	244.59	493.43	249.57	493.58	254.54	493.73	259.51	493.91
264.48	494.04	269.44	493.77	274.41	493.52	279.38	493.77	284.35	494.15
289.32	494.31	294.29	494.34	299.26	494.53	304.23	494.93	308.96	495.26
313.7	495.41	318.44	495.47	323.17	495.56	327.91	495.7	332.65	495.78
337.38	495.98	342.12	496.44	346.86	496.75	351.59	496.87	356.33	497.01
361.07	497.25	365.8	497.72	370.69	497.92	375.57	497.66	380.45	497.29
385.33	497.23								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	193.99	.035	195.69	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
193.99	195.69	55.19	49.11	44.92	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	492.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.22	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	492.18	Reach Len. (ft)	55.19	49.11	44.92
Crit W.S. (ft)	492.18	Flow Area (sq ft)	30.13	5.16	6.49
E.G. Slope (ft/ft)	0.025769	Area (sq ft)	30.13	5.16	6.49
Q Total (cfs)	88.00	Flow (cfs)	49.50	30.75	7.75
Top Width (ft)	100.91	Top Width (ft)	73.61	1.70	25.60
Vel Total (ft/s)	2.11	Avg. Vel. (ft/s)	1.64	5.96	1.19
Max Chl Dpth (ft)	3.03	Hydr. Depth (ft)	0.41	3.03	0.25
Conv. Total (cfs)	548.2	Conv. (cfs)	308.4	191.5	48.3
Length Wtd. (ft)	51.96	Wetted Per. (ft)	73.66	6.30	25.62
Min Ch El (ft)	489.15	Shear (lb/sq ft)	0.66	1.32	0.41
Alpha	3.17	Stream Power (lb/ft s)	385.33	0.00	0.00
Frctn Loss (ft)	1.29	Cum Volume (acre-ft)	0.08	0.25	0.02
C & E Loss (ft)	0.01	Cum SA (acres)	0.36	0.10	0.09

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	492.48	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.20	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	492.27	Reach Len. (ft)	55.19	49.11	44.92
Crit W.S. (ft)	492.27	Flow Area (sq ft)	37.06	5.31	8.91
E.G. Slope (ft/ft)	0.026205	Area (sq ft)	37.06	5.31	8.91
Q Total (cfs)	113.00	Flow (cfs)	67.91	32.57	12.53
Top Width (ft)	111.26	Top Width (ft)	81.71	1.70	27.85
Vel Total (ft/s)	2.20	Avg. Vel. (ft/s)	1.83	6.13	1.41
Max Chl Dpth (ft)	3.12	Hydr. Depth (ft)	0.45	3.12	0.32
Conv. Total (cfs)	698.0	Conv. (cfs)	419.5	201.2	77.4
Length Wtd. (ft)	52.18	Wetted Per. (ft)	81.75	6.30	27.88
Min Ch El (ft)	489.15	Shear (lb/sq ft)	0.74	1.38	0.52
Alpha	2.69	Stream Power (lb/ft s)	385.33	0.00	0.00
Frctn Loss (ft)	1.41	Cum Volume (acre-ft)	0.10	0.33	0.04
C & E Loss (ft)	0.00	Cum SA (acres)	0.39	0.11	0.14

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	492.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	492.41	Reach Len. (ft)	55.19	49.11	44.92
Crit W.S. (ft)	492.41	Flow Area (sq ft)	48.79	5.54	12.86
E.G. Slope (ft/ft)	0.026150	Area (sq ft)	48.79	5.54	12.86
Q Total (cfs)	155.00	Flow (cfs)	98.19	34.91	21.90
Top Width (ft)	120.71	Top Width (ft)	88.93	1.70	30.08
Vel Total (ft/s)	2.31	Avg. Vel. (ft/s)	2.01	6.30	1.70
Max Chl Dpth (ft)	3.26	Hydr. Depth (ft)	0.55	3.26	0.43
Conv. Total (cfs)	958.5	Conv. (cfs)	607.2	215.9	135.4
Length Wtd. (ft)	52.55	Wetted Per. (ft)	88.98	6.30	30.11
Min Ch El (ft)	489.15	Shear (lb/sq ft)	0.90	1.44	0.70

```
* Alpha                 *     2.24  * Stream Power (lb/ft s) *  385.33  *     0.00  *     0.00  *
* Frctn Loss (ft)       *     1.19  * Cum Volume (acre-ft)   *    0.16  *     0.45  *     0.07  *
* C & E Loss (ft)       *     0.02  * Cum SA (acres)         *    0.43  *     0.11  *     0.18  *
*********************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #50-year flow
*********************************************************************************************
* E.G. Elev (ft)        *   492.68  * Element                *  Left OB *  Channel  * Right OB  *
* Vel Head (ft)         *     0.26  * Wt. n-Val.             *   0.080  *    0.035  *    0.080  *
* W.S. Elev (ft)        *   492.43  * Reach Len. (ft)        *   55.19  *    49.11  *    44.92  *
* Crit W.S. (ft)        *   492.43  * Flow Area (sq ft)      *   50.27  *     5.57  *    13.36  *
* E.G. Slope (ft/ft)    * 0.036592  * Area (sq ft)           *   50.27  *     5.57  *    13.36  *
* Q Total (cfs)         *   191.00  * Flow (cfs)             *  121.87  *    41.65  *    27.48  *
* Top Width (ft)        *   121.12  * Top Width (ft)         *   89.14  *     1.70  *    30.28  *
* Vel Total (ft/s)      *     2.76  * Avg. Vel. (ft/s)       *    2.42  *     7.48  *     2.06  *
* Max Chl Dpth (ft)     *     3.28  * Hydr. Depth (ft)       *    0.56  *     3.28  *     0.44  *
* Conv. Total (cfs)     *    998.5  * Conv. (cfs)            *   637.1  *    217.7  *    143.7  *
* Length Wtd. (ft)      *    52.70  * Wetted Per. (ft)       *   89.19  *     6.30  *    30.31  *
* Min Ch El (ft)        *   489.15  * Shear (lb/sq ft)       *    1.29  *     2.02  *     1.01  *
* Alpha                 *     2.17  * Stream Power (lb/ft s) *  385.33  *     0.00  *     0.00  *
* Frctn Loss (ft)       *     1.18  * Cum Volume (acre-ft)   *    0.19  *     0.54  *     0.10  *
* C & E Loss (ft)       *     0.05  * Cum SA (acres)         *    0.47  *     0.11  *     0.21  *
*********************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #100-year flow
*********************************************************************************************
* E.G. Elev (ft)        *   492.79  * Element                *  Left OB *  Channel  * Right OB  *
* Vel Head (ft)         *     0.23  * Wt. n-Val.             *   0.080  *    0.035  *    0.080  *
* W.S. Elev (ft)        *   492.55  * Reach Len. (ft)        *   55.19  *    49.11  *    44.92  *
* Crit W.S. (ft)        *   492.55  * Flow Area (sq ft)      *   61.84  *     5.79  *    17.36  *
* E.G. Slope (ft/ft)    * 0.033867  * Area (sq ft)           *   61.84  *     5.79  *    17.36  *
* Q Total (cfs)         *   246.00  * Flow (cfs)             *  163.72  *    42.73  *    39.55  *
* Top Width (ft)        *   124.22  * Top Width (ft)         *   90.67  *     1.70  *    31.85  *
* Vel Total (ft/s)      *     2.89  * Avg. Vel. (ft/s)       *    2.65  *     7.38  *     2.28  *
* Max Chl Dpth (ft)     *     3.40  * Hydr. Depth (ft)       *    0.68  *     3.40  *     0.54  *
* Conv. Total (cfs)     *   1336.7  * Conv. (cfs)            *   889.6  *    232.2  *    214.9  *
* Length Wtd. (ft)      *    52.82  * Wetted Per. (ft)       *   90.73  *     6.30  *    31.88  *
* Min Ch El (ft)        *   489.15  * Shear (lb/sq ft)       *    1.44  *     1.94  *     1.15  *
* Alpha                 *     1.79  * Stream Power (lb/ft s) *  385.33  *     0.00  *     0.00  *
* Frctn Loss (ft)       *     1.10  * Cum Volume (acre-ft)   *    0.25  *     0.66  *     0.14  *
* C & E Loss (ft)       *     0.04  * Cum SA (acres)         *    0.49  *     0.11  *     0.26  *
*********************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION


RIVER: Unnamed_Trib
REACH: Downstream_Reach    RS: 428.4629

INPUT
Description:
Station Elevation Data     num=      59
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
*******************************************************************************************
       0   489.92     4.75   490.08     9.51   490.12    14.26   490.25    19.02   490.28
   23.77   490.23    28.53   490.08    33.28   489.87    38.03   489.63    42.79   489.56
   47.54   489.79     52.3   490.31    57.05   491.07    61.81   491.53    66.56   491.35
   71.31   490.86    76.07   490.13    80.82   489.64    85.58   489.57    90.33   489.65
   95.09    489.7    99.99    489.7   104.89   489.71   109.79   489.78    114.7   489.58
  117.62   489.48    119.6   489.42   120.36    489.4   120.36   486.65   121.11   486.65
  121.86   486.65   121.86    489.4    124.5   489.38    129.4   489.56   134.31   490.17
  139.21   490.34   144.11   490.48   149.01   490.62   153.92    490.7    158.9   490.85
  163.88   491.01   168.86   490.97   173.84   490.88   178.82   490.79    183.8   490.79
  188.78   490.86   193.76   490.96   198.75   491.05   203.73   491.14   208.71   491.26
  213.69   491.47   218.67    491.6   223.65   491.81   228.63   492.19   233.61   492.34
  238.59   492.48   243.58   492.65   248.56   493.08   253.54   493.67

Manning's n Values         num=       3
     Sta    n Val      Sta    n Val      Sta    n Val
*****************************************************
       0      .08   120.36     .035   121.86      .08

Bank Sta: Left   Right     Lengths: Left Channel   Right       Coeff Contr.    Expan.
        120.36  121.86                49.88   38.43   29.75              .3         .5

CROSS SECTION OUTPUT  Profile #5-year flow
*********************************************************************************************
* E.G. Elev (ft)        *   490.31  * Element                *  Left OB *  Channel  * Right OB  *
```

			Left OB	Channel	Right OB
Vel Head (ft)	0.17	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	490.14	Reach Len. (ft)	49.88	38.43	29.75
Crit W.S. (ft)		Flow Area (sq ft)	29.56	5.23	6.61
E.G. Slope (ft/ft)	0.023848	Area (sq ft)	29.56	5.23	6.61
Q Total (cfs)	88.00	Flow (cfs)	47.15	28.27	12.58
Top Width (ft)	92.39	Top Width (ft)	78.68	1.50	12.21
Vel Total (ft/s)	2.12	Avg. Vel. (ft/s)	1.59	5.40	1.90
Max Chl Dpth (ft)	3.49	Hydr. Depth (ft)	0.38	3.49	0.54
Conv. Total (cfs)	569.8	Conv. (cfs)	305.3	183.1	81.4
Length Wtd. (ft)	43.28	Wetted Per. (ft)	78.98	7.00	12.24
Min Ch El (ft)	486.65	Shear (lb/sq ft)	0.56	1.11	0.80
Alpha	2.49	Stream Power (lb/ft s)	253.54	0.00	0.00
Frctn Loss (ft)	0.89	Cum Volume (acre-ft)	0.04	0.25	0.02
C & E Loss (ft)	0.02	Cum SA (acres)	0.26	0.10	0.07

Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	490.40	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.19	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	490.21	Reach Len. (ft)	49.88	38.43	29.75
Crit W.S. (ft)	490.19	Flow Area (sq ft)	35.46	5.34	7.53
E.G. Slope (ft/ft)	0.027903	Area (sq ft)	35.46	5.34	7.53
Q Total (cfs)	113.00	Flow (cfs)	65.67	31.64	15.69
Top Width (ft)	99.90	Top Width (ft)	84.74	1.50	13.66
Vel Total (ft/s)	2.34	Avg. Vel. (ft/s)	1.85	5.92	2.08
Max Chl Dpth (ft)	3.56	Hydr. Depth (ft)	0.42	3.56	0.55
Conv. Total (cfs)	676.5	Conv. (cfs)	393.1	189.4	93.9
Length Wtd. (ft)	43.95	Wetted Per. (ft)	85.12	7.00	13.70
Min Ch El (ft)	486.65	Shear (lb/sq ft)	0.73	1.33	0.96
Alpha	2.27	Stream Power (lb/ft s)	253.54	0.00	0.00
Frctn Loss (ft)	0.91	Cum Volume (acre-ft)	0.06	0.32	0.03
C & E Loss (ft)	0.00	Cum SA (acres)	0.28	0.11	0.12

Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	490.56	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.12	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	490.44	Reach Len. (ft)	49.88	38.43	29.75
Crit W.S. (ft)		Flow Area (sq ft)	56.83	5.68	11.33
E.G. Slope (ft/ft)	0.019703	Area (sq ft)	56.83	5.68	11.33
Q Total (cfs)	155.00	Flow (cfs)	105.83	29.43	19.75
Top Width (ft)	121.54	Top Width (ft)	99.36	1.50	20.68
Vel Total (ft/s)	2.10	Avg. Vel. (ft/s)	1.86	5.18	1.74
Max Chl Dpth (ft)	3.79	Hydr. Depth (ft)	0.57	3.79	0.55
Conv. Total (cfs)	1104.2	Conv. (cfs)	753.9	209.6	140.7
Length Wtd. (ft)	44.69	Wetted Per. (ft)	100.00	7.00	20.72
Min Ch El (ft)	486.65	Shear (lb/sq ft)	0.70	1.00	0.67
Alpha	1.78	Stream Power (lb/ft s)	253.54	0.00	0.00
Frctn Loss (ft)	0.89	Cum Volume (acre-ft)	0.09	0.44	0.06
C & E Loss (ft)	0.03	Cum SA (acres)	0.31	0.11	0.16

Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	490.70	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	490.61	Reach Len. (ft)	49.88	38.43	29.75
Crit W.S. (ft)		Flow Area (sq ft)	74.07	5.94	15.39
E.G. Slope (ft/ft)	0.015002	Area (sq ft)	74.07	5.94	15.39
Q Total (cfs)	191.00	Flow (cfs)	139.11	27.65	24.24
Top Width (ft)	129.74	Top Width (ft)	101.55	1.50	26.69
Vel Total (ft/s)	2.00	Avg. Vel. (ft/s)	1.88	4.66	1.57
Max Chl Dpth (ft)	3.96	Hydr. Depth (ft)	0.73	3.96	0.58
Conv. Total (cfs)	1559.4	Conv. (cfs)	1135.8	225.7	197.9
Length Wtd. (ft)	44.97	Wetted Per. (ft)	102.39	7.00	26.74
Min Ch El (ft)	486.65	Shear (lb/sq ft)	0.68	0.79	0.54
Alpha	1.50	Stream Power (lb/ft s)	253.54	0.00	0.00
Frctn Loss (ft)	0.90	Cum Volume (acre-ft)	0.12	0.53	0.08
C & E Loss (ft)	0.07	Cum SA (acres)	0.34	0.11	0.18

Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	490.86	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	490.77	Reach Len. (ft)	49.88	38.43	29.75
Crit W.S. (ft)		Flow Area (sq ft)	90.78	6.18	20.43
E.G. Slope (ft/ft)	0.014148	Area (sq ft)	90.78	6.18	20.43
Q Total (cfs)	246.00	Flow (cfs)	185.40	28.72	31.88
Top Width (ft)	139.50	Top Width (ft)	103.63	1.50	34.37
Vel Total (ft/s)	2.10	Avg. Vel. (ft/s)	2.04	4.65	1.56
Max Chl Dpth (ft)	4.12	Hydr. Depth (ft)	0.88	4.12	0.59
Conv. Total (cfs)	2068.2	Conv. (cfs)	1558.7	241.4	268.0
Length Wtd. (ft)	45.16	Wetted Per. (ft)	104.65	7.00	34.42
Min Ch El (ft)	486.65	Shear (lb/sq ft)	0.77	0.78	0.52
Alpha	1.36	Stream Power (lb/ft s)	253.54	0.00	0.00
Frctn Loss (ft)	0.91	Cum Volume (acre-ft)	0.15	0.65	0.12
C & E Loss (ft)	0.07	Cum SA (acres)	0.37	0.11	0.22

Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.

```
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
         This may indicate the need for additional cross sections.

CROSS SECTION


RIVER: Unnamed_Trib
REACH: Downstream_Reach    RS: 389.8977

INPUT
Description:
Station Elevation Data      num=       56
     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev     Sta    Elev
*******************************************************************************
       0  488.54    4.72  488.54    9.44  488.55   14.16  488.64   18.88  489.01
    23.6   489.6   28.31  489.76   33.03  489.91   37.75  489.72   42.47  489.12
   47.19  488.96   51.91  488.62   56.63   488.6   61.35  488.53   66.07  488.78
   70.79  488.81   75.51   488.8   80.09  488.76   84.68  488.77   88.03  488.77
   88.23   485.1   89.18   485.1   90.13   485.1   90.33  488.77   93.26  488.78
   93.86  488.78   98.45  488.98  103.04   489.1  107.63  489.21  112.22  489.14
  117.04  489.21  121.86  489.39  126.68  489.52   131.5  489.62  136.32  489.93
  141.14  490.29  145.96  490.31  150.78  490.17   155.6  490.22  160.42   490.3
  165.24  490.28  170.06  490.27  174.88  490.37   179.7  490.44  184.52  490.46
  189.34  490.63  194.16  490.84  198.98  491.05   203.8   491.2  208.62  491.46
  213.44  491.83  218.26  492.09  223.08  492.31   227.9  492.49  232.72  492.55
  237.54   492.7

Manning's n Values          num=        3
     Sta   n Val     Sta   n Val     Sta   n Val
*************************************************
       0     .08   88.03    .035   90.33     .08

Bank Sta: Left   Right    Lengths: Left Channel   Right        Coeff Contr.    Expan.
          88.03   90.33             200.68  205.91  209.36              .3        .5

CROSS SECTION OUTPUT  Profile #5-year flow
*******************************************************************************************
* E.G. Elev (ft)           *   489.40  * Element                 *  Left OB  *  Channel  *  Right OB  *
* Vel Head (ft)            *     0.25  * Wt. n-Val.              *   0.080   *   0.035   *   0.080    *
* W.S. Elev (ft)           *   489.15  * Reach Len. (ft)         *  200.68   *  205.91   *  209.36    *
* Crit W.S. (ft)           *   489.15  * Flow Area (sq ft)       *   27.85   *    8.58   *    3.12    *
* E.G. Slope (ft/ft)       *0.017875   * Area (sq ft)            *   27.85   *    8.58   *    3.12    *
* Q Total (cfs)            *    88.00  * Flow (cfs)              *   38.95   *   46.32   *    2.73    *
* Top Width (ft)           *    84.16  * Top Width (ft)          *   65.79   *    2.30   *   16.07    *
* Vel Total (ft/s)         *     2.23  * Avg. Vel. (ft/s)        *    1.40   *    5.40   *    0.88    *
* Max Chl Dpth (ft)        *     4.05  * Hydr. Depth (ft)        *    0.42   *    3.73   *    0.19    *
* Conv. Total (cfs)        *    658.2  * Conv. (cfs)             *   291.3   *   346.4   *    20.4    *
* Length Wtd. (ft)         *   205.91  * Wetted Per. (ft)        *   66.45   *    9.25   *   16.07    *
* Min Ch El (ft)           *   485.10  * Shear (lb/sq ft)        *    0.47   *    1.04   *    0.22    *
* Alpha                    *     3.28  * Stream Power (lb/ft s)  *  237.54   *    0.00   *    0.00    *
* Frctn Loss (ft)          *           * Cum Volume (acre-ft)    *    0.01   *    0.24   *    0.01    *
* C & E Loss (ft)          *           * Cum SA (acres)          *    0.18   *    0.10   *    0.06    *
*******************************************************************************************

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.

CROSS SECTION OUTPUT  Profile #10-year flow
*******************************************************************************************
* E.G. Elev (ft)           *   489.50  * Element                 *  Left OB  *  Channel  *  Right OB  *
* Vel Head (ft)            *     0.20  * Wt. n-Val.              *   0.080   *   0.035   *   0.080    *
* W.S. Elev (ft)           *   489.30  * Reach Len. (ft)         *  200.68   *  205.91   *  209.36    *
* Crit W.S. (ft)           *   489.30  * Flow Area (sq ft)       *   38.13   *    8.93   *    7.01    *
* E.G. Slope (ft/ft)       *0.015829   * Area (sq ft)            *   38.13   *    8.93   *    7.01    *
* Q Total (cfs)            *   113.00  * Flow (cfs)              *   60.06   *   46.61   *    6.33    *
* Top Width (ft)           *    99.72  * Top Width (ft)          *   68.22   *    2.30   *   29.20    *
* Vel Total (ft/s)         *     2.09  * Avg. Vel. (ft/s)        *    1.58   *    5.22   *    0.90    *
* Max Chl Dpth (ft)        *     4.20  * Hydr. Depth (ft)        *    0.56   *    3.88   *    0.24    *
* Conv. Total (cfs)        *    898.2  * Conv. (cfs)             *   477.4   *   370.5   *    50.3    *
* Length Wtd. (ft)         *   205.91  * Wetted Per. (ft)        *   69.05   *    9.25   *   29.21    *
* Min Ch El (ft)           *   485.10  * Shear (lb/sq ft)        *    0.55   *    0.95   *    0.24    *
* Alpha                    *     2.88  * Stream Power (lb/ft s)  *  237.54   *    0.00   *    0.00    *
* Frctn Loss (ft)          *           * Cum Volume (acre-ft)    *    0.02   *    0.32   *    0.02    *
* C & E Loss (ft)          *           * Cum SA (acres)          *    0.19   *    0.10   *    0.10    *
*******************************************************************************************

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.

CROSS SECTION OUTPUT  Profile #25-year flow
*******************************************************************************************
* E.G. Elev (ft)           *   489.64  * Element                 *  Left OB  *  Channel  *  Right OB  *
* Vel Head (ft)            *     0.23  * Wt. n-Val.              *   0.080   *   0.035   *   0.080    *
* W.S. Elev (ft)           *   489.40  * Reach Len. (ft)         *  200.68   *  205.91   *  209.36    *
* Crit W.S. (ft)           *   489.40  * Flow Area (sq ft)       *   45.11   *    9.17   *   10.10    *
* E.G. Slope (ft/ft)       *0.020055   * Area (sq ft)            *   45.11   *    9.17   *   10.10    *
* Q Total (cfs)            *   155.00  * Flow (cfs)              *   87.93   *   54.77   *   12.30    *
* Top Width (ft)           *   104.18  * Top Width (ft)          *   69.83   *    2.30   *   32.06    *
* Vel Total (ft/s)         *     2.41  * Avg. Vel. (ft/s)        *    1.95   *    5.98   *    1.22    *
* Max Chl Dpth (ft)        *     4.30  * Hydr. Depth (ft)        *    0.65   *    3.99   *    0.32    *
* Conv. Total (cfs)        *   1094.5  * Conv. (cfs)             *   620.9   *   386.7   *    86.9    *
* Length Wtd. (ft)         *   205.91  * Wetted Per. (ft)        *   70.77   *    9.25   *   32.07    *
* Min Ch El (ft)           *   485.10  * Shear (lb/sq ft)        *    0.80   *    1.24   *    0.39    *
* Alpha                    *     2.57  * Stream Power (lb/ft s)  *  237.54   *    0.00   *    0.00    *
* Frctn Loss (ft)          *           * Cum Volume (acre-ft)    *    0.03   *    0.43   *    0.05    *
* C & E Loss (ft)          *           * Cum SA (acres)          *    0.22   *    0.11   *    0.14    *
*******************************************************************************************

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.

CROSS SECTION OUTPUT  Profile #50-year flow
*******************************************************************************************
* E.G. Elev (ft)           *   489.74  * Element                 *  Left OB  *  Channel  *  Right OB  *
* Vel Head (ft)            *     0.31  * Wt. n-Val.              *   0.080   *   0.035   *   0.080    *
* W.S. Elev (ft)           *   489.43  * Reach Len. (ft)         *  200.68   *  205.91   *  209.36    *
* Crit W.S. (ft)           *   489.43  * Flow Area (sq ft)       *   46.91   *    9.22   *   10.94    *
* E.G. Slope (ft/ft)       *0.027674   * Area (sq ft)            *   46.91   *    9.22   *   10.94    *
* Q Total (cfs)            *   191.00  * Flow (cfs)              *  109.79   *   65.03   *   16.18    *
```

```
                                                                  CalifonFloodplainSt
* Top Width (ft)          *   105.55  * Top Width (ft)          *   70.24  *    2.30  *   33.01  *
* Vel Total (ft/s)        *     2.85  * Avg. Vel. (ft/s)        *    2.34  *    7.05  *    1.48  *
* Max Chl Dpth (ft)       *     4.33  * Hydr. Depth (ft)        *    0.67  *    4.01  *    0.33  *
* Conv. Total (cfs)       *   1148.2  * Conv. (cfs)             *   660.0  *   390.9  *    97.3  *
* Length Wtd. (ft)        *   205.91  * Wetted Per. (ft)        *   71.21  *    9.25  *   33.02  *
* Min Ch El (ft)          *   485.10  * Shear (lb/sq ft)        *    1.14  *    1.72  *    0.57  *
* Alpha                   *     2.50  * Stream Power (lb/ft s)  *  237.54  *    0.00  *    0.00  *
* Frctn Loss (ft)         *           * Cum Volume (acre-ft)    *    0.05  *    0.52  *    0.07  *
* C & E Loss (ft)         *           * Cum SA (acres)          *    0.25  *    0.11  *    0.16  *
****************************************************************************************************
```

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.

```
CROSS SECTION OUTPUT  Profile #100-year flow
****************************************************************************************************
* E.G. Elev (ft)          *   489.88  * Element                 *  Left OB *  Channel * Right OB *
* Vel Head (ft)           *     0.34  * Wt. n-Val.              *   0.080  *   0.035  *   0.080  *
* W.S. Elev (ft)          *   489.54  * Reach Len. (ft)         *  200.68  *  205.91  *  209.36  *
* Crit W.S. (ft)          *   489.54  * Flow Area (sq ft)       *   54.52  *    9.47  *   14.68  *
* E.G. Slope (ft/ft)      *0.031384   * Area (sq ft)            *   54.52  *    9.47  *   14.68  *
* Q Total (cfs)           *   246.00  * Flow (cfs)              *  147.63  *   72.36  *   26.01  *
* Top Width (ft)          *   111.40  * Top Width (ft)          *   71.93  *    2.30  *   37.16  *
* Vel Total (ft/s)        *     3.13  * Avg. Vel. (ft/s)        *    2.71  *    7.64  *    1.77  *
* Max Chl Dpth (ft)       *     4.44  * Hydr. Depth (ft)        *    0.76  *    4.12  *    0.40  *
* Conv. Total (cfs)       *   1388.6  * Conv. (cfs)             *   833.4  *   408.4  *   146.8  *
* Length Wtd. (ft)        *   205.91  * Wetted Per. (ft)        *   73.03  *    9.25  *   37.18  *
* Min Ch El (ft)          *   485.10  * Shear (lb/sq ft)        *    1.46  *    2.01  *    0.77  *
* Alpha                   *     2.24  * Stream Power (lb/ft s)  *  237.54  *    0.00  *    0.00  *
* Frctn Loss (ft)         *           * Cum Volume (acre-ft)    *    0.07  *    0.65  *    0.10  *
* C & E Loss (ft)         *           * Cum SA (acres)          *    0.27  *    0.11  *    0.20  *
****************************************************************************************************
```

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.

CULVERT

```
RIVER: Unnamed_Trib
REACH: Downstream_Reach    RS: 287.04

INPUT
Description: Firehouse/Main Street
Distance from Upstream XS =       11
Deck/Roadway Width        =      175
Weir Coefficient          =      2.6
Upstream  Deck/Roadway Coordinates
     num=       59
      Sta Hi Cord Lo Cord      Sta Hi Cord Lo Cord      Sta Hi Cord Lo Cord
*************************************************************************
        0     488              4.72     488              9.44     488
    14.16     488             18.88     488              23.6     488
    28.31     488             33.03     488             37.75     488
    42.47     488             47.19     488             51.91     488
    56.63     488             61.35     488             66.07     488
    70.79     488             75.51     488             75.51     493
    80.09     493             84.68     493             88.03     493
    88.03     498             88.23     498             89.18     498
    90.13     498             90.33     498             93.26     498
    93.86     498             98.45     498            103.04     498
   107.63     498            112.22     498            117.04     498
   117.04     489            121.86     489            126.68     489
    131.5     489            136.32     489            141.14     489
   145.96     489            150.78     489             155.6     489
   160.42     489            165.24     489            170.06     489
   174.88     489             179.7     489            184.52     489
   189.34     489            194.16     489            198.98     489
    203.8     489            208.62     489            213.44     489
   218.26     489            223.08     489             227.9     489
   232.72     489            237.54     489

Upstream Bridge Cross Section Data
Station Elevation Data      num=       56
     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev     Sta     Elev
****************************************************************************************
       0   488.54    4.72   488.54    9.44   488.55   14.16   488.64   18.88   489.01
    23.6    489.6   28.31   489.76   33.03   489.91   37.75   489.72   42.47   489.12
   47.19   488.96   51.91   488.62   56.63    488.6   61.35   488.53   66.07   488.78
   70.79   488.81   75.51    488.8   80.09   488.76   84.68   488.77   88.03   488.77
   88.23    485.1   89.18    485.1   90.13    485.1   90.33   488.77   93.26   488.78
   93.86   488.78   98.45   488.98  103.04    489.1  107.63   489.21  112.22   489.14
  117.04   489.21  121.86   489.39  126.68   489.52   131.5   489.62  136.32   489.93
  141.14   490.29  145.96   490.31  150.78   490.17   155.6   490.22  160.42    490.3
  165.24   490.28  170.06   490.27  174.88   490.37   179.7   490.44  184.52   490.46
  189.34   490.63  194.16   490.84  198.98   491.05   203.8    491.2  208.62   491.46
  213.44   491.83  218.26   492.09  223.08   492.31   227.9   492.49  232.72   492.55
  237.54    492.7

Manning's n Values          num=        3
     Sta    n Val     Sta    n Val     Sta    n Val
****************************************************
       0      .08   88.03     .035   90.33      .08

Bank Sta: Left    Right      Coeff Contr.     Expan.
         88.03    90.33               .3         .5

Downstream  Deck/Roadway Coordinates
     num=       50
      Sta Hi Cord Lo Cord      Sta Hi Cord Lo Cord      Sta Hi Cord Lo Cord
*************************************************************************
        0     486              4.72     486              9.51     486
    14.26     486             19.01     486             23.77     486
    28.52     486             33.27     486             38.02     486
    42.78     486             47.53     486             52.28     486
    57.04     486             61.79     486             66.54     486
    71.29     486             76.05     486              80.8     486
    85.55     486             90.19     486             94.83     486
```

```
   99.46     486          104.1     486          108.73     486
  113.37     486         118.01     486          122.64     486
     123     486         127.28     486             129     486
  131.35     486         131.91     486          136.55     486
  141.18     486         145.82     486           150.5     486
  155.18     486         159.86     486          164.54     486
  169.22     486          173.9     486          178.58     486
  183.26     486         187.94     486          192.63     486
  197.31     486         201.99     486          206.67     486
  211.35     486         216.03     486

Downstream Bridge Cross Section Data
Station Elevation Data     num=        50
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
*******************************************************************************************
       0   485.99     4.75   486.11     9.51    485.9    14.26   485.92    19.01    486.1
   23.77   486.12    28.52   485.93    33.27   486.01    38.02   486.14    42.78   486.02
   47.53   486.02    52.28   486.11    57.04   486.21    61.79   486.14    66.54   486.23
   71.29   486.18    76.05    486.2     80.8   486.42    85.55   486.34    90.19   486.34
   94.83   486.28    99.46    486.2    104.1   486.09   108.73   485.99   113.37   485.18
  118.01   484.19   122.64   483.41      123      482   127.28   480.76      129      482
  131.35   484.12   131.91   484.32   136.55   485.81   141.18   486.27   145.82   486.16
   150.5   486.01   155.18   485.86   159.86      486   164.54   486.15   169.22   486.23
   173.9    486.3   178.58   486.47   183.26   486.77   187.94   487.01   192.63   487.43
  197.31   487.98   201.99   488.33   206.67   488.48   211.35   488.54   216.03    488.6

Manning's n Values         num=         3
     Sta    n Val      Sta    n Val      Sta    n Val
*******************************************************
       0      .08   122.64     .035   131.35      .08

Bank Sta: Left    Right     Coeff Contr.    Expan.
        122.64   131.35               .3        .5
Ineffective Flow       num=         2
   Sta L    Sta R     Elev   Permanent
       0      119      485       F
     132   216.03      485       F

Upstream Embankment side slope               =          0 horiz. to 1.0 vertical
Downstream Embankment side slope             =          0 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow =        .98
Elevation at which weir flow begins          =
Energy head used in spillway design          =
Spillway height used in design               =
Weir crest shape                             = Broad Crested

Number of Culverts =  1

Culvert Name       Shape       Rise      Span
Culvert #1           Box        2.2       3.2
FHWA Chart # 8 - flared wingwalls
FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
Solution Criteria = Highest U.S. EG
Culvert Upstrm Dist   Length     Top n   Bottom n   Depth Blocked   Entrance Loss Coef    Exit Loss Coef
                 11      175      .017       .017        0                        .4                   1
Upstream    Elevation =   485.1
            Centerline Station =   89.18
Downstream Elevation =   480.76
            Centerline Station =   127.28

CULVERT OUTPUT  Profile #5-year flow  Culv Group:  Culvert #1
*******************************************************************************
* Q Culv Group (cfs)       *      62.56  * Culv Full Len (ft)      *   149.94  *
* # Barrels                *          1  * Culv Vel US (ft/s)      *     8.89  *
* Q Barrel (cfs)           *      62.56  * Culv Vel DS (ft/s)      *     8.89  *
* E.G. US. (ft)            *     489.02  * Culv Inv El Up (ft)     *   485.10  *
* W.S. US. (ft)            *     489.15  * Culv Inv El Dn (ft)     *   480.76  *
* E.G. DS (ft)             *     484.31  * Culv Frctn Ls (ft)      *     3.36  *
* W.S. DS (ft)             *     483.94  * Culv Exit Loss (ft)     *     0.86  *
* Delta EG (ft)            *       4.71  * Culv Entr Loss (ft)     *     0.49  *
* Delta WS (ft)            *       5.21  * Q Weir (cfs)            *    25.44  *
* E.G. IC (ft)             *     489.09  * Weir Sta Lft (ft)       *     0.00  *
* E.G. OC (ft)             *     489.02  * Weir Sta Rgt (ft)       *    75.51  *
* Culvert Control          *     Outlet  * Weir Submerg            *     0.00  *
* Culv WS Inlet (ft)       *     487.30  * Weir Max Depth (ft)     *     0.48  *
* Culv WS Outlet (ft)      *     482.96  * Weir Avg Depth (ft)     *     0.33  *
* Culv Nml Depth (ft)      *       1.64  * Weir Flow Area (sq ft)  *    16.13  *
* Culv Crt Depth (ft)      *       2.20  * Min El Weir Flow (ft)   *   488.54  *
*******************************************************************************

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.
Note:    Culvert critical depth exceeds the height of the culvert.
Note:    During supercritical analysis, the culvert direct step method went to normal depth.  The program then assumed normal
         depth at the outlet.
Note:    During the supercritical calculations a hydraulic jump occurred inside of the culvert.
Note:    The culvert inlet is submerged and the culvert flows full over part or all of its length.  Therefore, the culvert inlet
         equations are not valid and the supercritical result has been discarded.  The outlet answer will be used.

CULVERT OUTPUT  Profile #10-year flow  Culv Group:  Culvert #1
*******************************************************************************
* Q Culv Group (cfs)       *      62.59  * Culv Full Len (ft)      *   175.00  *
* # Barrels                *          1  * Culv Vel US (ft/s)      *     8.89  *
* Q Barrel (cfs)           *      62.59  * Culv Vel DS (ft/s)      *     8.89  *
* E.G. US. (ft)            *     489.20  * Culv Inv El Up (ft)     *   485.10  *
* W.S. US. (ft)            *     489.30  * Culv Inv El Dn (ft)     *   480.76  *
* E.G. DS (ft)             *     484.71  * Culv Frctn Ls (ft)      *     3.20  *
* W.S. DS (ft)             *     484.27  * Culv Exit Loss (ft)     *     0.79  *
* Delta EG (ft)            *       4.49  * Culv Entr Loss (ft)     *     0.49  *
* Delta WS (ft)            *       5.03  * Q Weir (cfs)            *    50.41  *
* E.G. IC (ft)             *     489.25  * Weir Sta Lft (ft)       *     0.00  *
* E.G. OC (ft)             *     489.20  * Weir Sta Rgt (ft)       *   117.09  *
* Culvert Control          *     Outlet  * Weir Submerg            *     0.00  *
* Culv WS Inlet (ft)       *     487.30  * Weir Max Depth (ft)     *     0.68  *
* Culv WS Outlet (ft)      *     482.96  * Weir Avg Depth (ft)     *     0.49  *
* Culv Nml Depth (ft)      *       1.64  * Weir Flow Area (sq ft)  *    26.46  *
* Culv Crt Depth (ft)      *       2.20  * Min El Weir Flow (ft)   *   488.54  *
```

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.
Note: Culvert critical depth exceeds the height of the culvert.
Note: During supercritical analysis, the culvert direct step method went to normal depth. The program then assumed normal depth at the outlet.
Note: During the supercritical calculations a hydraulic jump occurred inside of the culvert.
Note: The culvert inlet is submerged and the culvert flows full over part or all of its length. Therefore, the culvert inlet equations are not valid and the supercritical result has been discarded. The outlet answer will be used.

CULVERT OUTPUT Profile #25-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	61.63	Culv Full Len (ft)	175.00
# Barrels	1	Culv Vel US (ft/s)	8.75
Q Barrel (cfs)	61.63	Culv Vel DS (ft/s)	8.75
E.G. US. (ft)	489.47	Culv Inv El Up (ft)	485.10
W.S. US. (ft)	489.40	Culv Inv El Dn (ft)	480.76
E.G. DS (ft)	485.25	Culv Frctn Ls (ft)	3.11
W.S. DS (ft)	484.70	Culv Exit Loss (ft)	0.63
Delta EG (ft)	4.21	Culv Entr Loss (ft)	0.48
Delta WS (ft)	4.71	Q Weir (cfs)	93.72
E.G. IC (ft)	489.48	Weir Sta Lft (ft)	0.00
E.G. OC (ft)	489.47	Weir Sta Rgt (ft)	124.77
Culvert Control	Outlet	Weir Submerg	0.00
Culv WS Inlet (ft)	487.30	Weir Max Depth (ft)	0.94
Culv WS Outlet (ft)	482.96	Weir Avg Depth (ft)	0.63
Culv Nml Depth (ft)	1.62	Weir Flow Area (sq ft)	41.83
Culv Crt Depth (ft)	2.20	Min El Weir Flow (ft)	488.54

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.
Note: Culvert critical depth exceeds the height of the culvert.
Note: During supercritical analysis, the culvert direct step method went to normal depth. The program then assumed normal depth at the outlet.
Note: During the supercritical calculations a hydraulic jump occurred inside of the culvert.
Note: The culvert inlet is submerged and the culvert flows full over part or all of its length. Therefore, the culvert inlet equations are not valid and the supercritical result has been discarded. The outlet answer will be used.

CULVERT OUTPUT Profile #50-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	60.78	Culv Full Len (ft)	175.00
# Barrels	1	Culv Vel US (ft/s)	8.63
Q Barrel (cfs)	60.78	Culv Vel DS (ft/s)	8.63
E.G. US. (ft)	489.65	Culv Inv El Up (ft)	485.10
W.S. US. (ft)	489.43	Culv Inv El Dn (ft)	480.76
E.G. DS (ft)	485.65	Culv Frctn Ls (ft)	3.02
W.S. DS (ft)	485.01	Culv Exit Loss (ft)	0.52
Delta EG (ft)	4.00	Culv Entr Loss (ft)	0.46
Delta WS (ft)	4.42	Q Weir (cfs)	130.22
E.G. IC (ft)	489.60	Weir Sta Lft (ft)	0.00
E.G. OC (ft)	489.65	Weir Sta Rgt (ft)	131.79
Culvert Control	Outlet	Weir Submerg	0.00
Culv WS Inlet (ft)	487.30	Weir Max Depth (ft)	1.11
Culv WS Outlet (ft)	482.96	Weir Avg Depth (ft)	0.70
Culv Nml Depth (ft)	1.60	Weir Flow Area (sq ft)	53.92
Culv Crt Depth (ft)	2.20	Min El Weir Flow (ft)	488.54

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.
Note: Culvert critical depth exceeds the height of the culvert.
Note: During supercritical analysis, the culvert direct step method went to normal depth. The program then assumed normal depth at the outlet.
Note: During the supercritical calculations a hydraulic jump occurred inside of the culvert.
Note: The culvert inlet is submerged and the culvert flows full over part or all of its length. Therefore, the culvert inlet equations are not valid and the supercritical result has been discarded. The outlet answer will be used.

CULVERT OUTPUT Profile #100-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	59.24	Culv Full Len (ft)	175.00
# Barrels	1	Culv Vel US (ft/s)	8.41
Q Barrel (cfs)	59.24	Culv Vel DS (ft/s)	8.41
E.G. US. (ft)	489.85	Culv Inv El Up (ft)	485.10
W.S. US. (ft)	489.54	Culv Inv El Dn (ft)	480.76
E.G. DS (ft)	486.19	Culv Frctn Ls (ft)	2.87
W.S. DS (ft)	485.44	Culv Exit Loss (ft)	0.35
Delta EG (ft)	3.66	Culv Entr Loss (ft)	0.44
Delta WS (ft)	4.10	Q Weir (cfs)	186.76
E.G. IC (ft)	489.85	Weir Sta Lft (ft)	0.00
E.G. OC (ft)	489.85	Weir Sta Rgt (ft)	135.11
Culvert Control	Outlet	Weir Submerg	0.00
Culv WS Inlet (ft)	487.30	Weir Max Depth (ft)	1.32
Culv WS Outlet (ft)	482.96	Weir Avg Depth (ft)	0.79
Culv Nml Depth (ft)		Weir Flow Area (sq ft)	71.63
Culv Crt Depth (ft)	2.20	Min El Weir Flow (ft)	488.54

Warning: During subcritical analysis, the water surface upstream of culvert went to critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 184.1871

INPUT
Description:
Station Elevation Data num= 50

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	485.99	4.75	486.11	9.51	485.9	14.26	485.92	19.01	486.1
23.77	486.12	28.52	485.93	33.27	486.01	38.02	486.14	42.78	486.02
47.53	486.02	52.28	486.11	57.04	486.21	61.79	486.14	66.54	486.23
71.29	486.18	76.05	486.2	80.8	486.42	85.55	486.34	90.19	486.34
94.83	486.28	99.46	486.2	104.1	486.09	108.73	485.99	113.37	485.18
118.01	484.19	122.64	483.41	123	482	127.28	480.76	129	482
131.35	484.12	131.91	484.32	136.55	485.81	141.18	486.27	145.82	486.16

```
                                                                                        CalifonFloodplainSt
     150.5   486.01  155.18  485.86  159.86      486  164.54  486.15  169.22  486.23
     173.9    486.3  178.58  486.47  183.26   486.77  187.94  487.01  192.63  487.43
    197.31   487.98  201.99  488.33  206.67   488.48  211.35  488.54  216.03   488.6

Manning's n Values         num=        3
     Sta    n Val     Sta    n Val     Sta    n Val
*******************************************************
       0      .08  122.64     .035  131.35      .08

Bank Sta: Left   Right     Lengths: Left Channel   Right      Coeff Contr.    Expan.
        122.64  131.35               18.27   19.71   19.65             .3        .5
Ineffective Flow     num=        2
   Sta L    Sta R    Elev  Permanent
       0      119     485       F
     132   216.03     485       F
```

CROSS SECTION OUTPUT Profile #5-year flow

```
**************************************************************************************************
* E.G. Elev (ft)         *   484.31  * Element               *  Left OB *  Channel * Right OB *
* Vel Head (ft)          *     0.37  * Wt. n-Val.            *   0.080  *   0.035  *          *
* W.S. Elev (ft)         *   483.94  * Reach Len. (ft)       *   18.27  *   19.71  *   19.65  *
* Crit W.S. (ft)         *   483.25  * Flow Area (sq ft)     *    0.82  *   17.86  *          *
* E.G. Slope (ft/ft)     * 0.006910  * Area (sq ft)          *    0.82  *   17.86  *          *
* Q Total (cfs)          *    88.00  * Flow (cfs)            *    0.52  *   87.48  *          *
* Top Width (ft)         *    11.63  * Top Width (ft)        *    3.12  *    8.51  *          *
* Vel Total (ft/s)       *     4.71  * Avg. Vel. (ft/s)      *    0.63  *    4.90  *          *
* Max Chl Dpth (ft)      *     3.18  * Hydr. Depth (ft)      *    0.26  *    2.10  *          *
* Conv. Total (cfs)      *   1058.6  * Conv. (cfs)           *     6.2  *   1052.4 *          *
* Length Wtd. (ft)       *    19.70  * Wetted Per. (ft)      *    3.17  *   10.92  *          *
* Min Ch El (ft)         *   480.76  * Shear (lb/sq ft)      *    0.11  *    0.71  *          *
* Alpha                  *     1.08  * Stream Power (lb/ft s)*  216.03  *    0.00  *    0.00  *
* Frctn Loss (ft)        *     0.11  * Cum Volume (acre-ft)  *    0.01  *    0.13  *    0.01  *
* C & E Loss (ft)        *     0.05  * Cum SA (acres)        *    0.02  *    0.07  *    0.02  *
**************************************************************************************************
```

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #10-year flow

```
**************************************************************************************************
* E.G. Elev (ft)         *   484.71  * Element               *  Left OB *  Channel * Right OB *
* Vel Head (ft)          *     0.43  * Wt. n-Val.            *   0.080  *   0.035  *   0.080  *
* W.S. Elev (ft)         *   484.27  * Reach Len. (ft)       *   18.27  *   19.71  *   19.65  *
* Crit W.S. (ft)         *   483.56  * Flow Area (sq ft)     *    2.03  *   20.78  *    0.03  *
* E.G. Slope (ft/ft)     * 0.006923  * Area (sq ft)          *    2.21  *   20.78  *    0.03  *
* Q Total (cfs)          *   113.00  * Flow (cfs)            *    2.11  *  110.89  *    0.01  *
* Top Width (ft)         *    14.17  * Top Width (ft)        *    5.02  *    8.71  *    0.43  *
* Vel Total (ft/s)       *     4.95  * Avg. Vel. (ft/s)      *    1.04  *    5.34  *    0.27  *
* Max Chl Dpth (ft)      *     3.51  * Hydr. Depth (ft)      *    0.56  *    2.39  *    0.08  *
* Conv. Total (cfs)      *   1358.1  * Conv. (cfs)           *    25.3  *   1332.7 *     0.1  *
* Length Wtd. (ft)       *    19.68  * Wetted Per. (ft)      *    3.69  *   11.20  *    0.46  *
* Min Ch El (ft)         *   480.76  * Shear (lb/sq ft)      *    0.24  *    0.80  *    0.03  *
* Alpha                  *     1.14  * Stream Power (lb/ft s)*  216.03  *    0.00  *    0.00  *
* Frctn Loss (ft)        *     0.11  * Cum Volume (acre-ft)  *    0.02  *    0.16  *    0.02  *
* C & E Loss (ft)        *     0.06  * Cum SA (acres)        *    0.03  *    0.08  *    0.03  *
**************************************************************************************************
```

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #25-year flow

```
**************************************************************************************************
* E.G. Elev (ft)         *   485.25  * Element               *  Left OB *  Channel * Right OB *
* Vel Head (ft)          *     0.56  * Wt. n-Val.            *   0.080  *   0.035  *   0.080  *
* W.S. Elev (ft)         *   484.70  * Reach Len. (ft)       *   18.27  *   19.71  *   19.65  *
* Crit W.S. (ft)         *   484.09  * Flow Area (sq ft)     *    3.56  *   24.46  *    0.30  *
* E.G. Slope (ft/ft)     * 0.007287  * Area (sq ft)          *    4.75  *   24.46  *    0.49  *
* Q Total (cfs)          *   155.00  * Flow (cfs)            *    5.52  *  149.21  *    0.27  *
* Top Width (ft)         *    17.44  * Top Width (ft)        *    7.00  *    8.71  *    1.73  *
* Vel Total (ft/s)       *     5.47  * Avg. Vel. (ft/s)      *    1.55  *    6.10  *    0.91  *
* Max Chl Dpth (ft)      *     3.94  * Hydr. Depth (ft)      *    0.98  *    2.81  *    0.46  *
* Conv. Total (cfs)      *   1815.7  * Conv. (cfs)           *    64.7  *   1747.9 *     3.2  *
* Length Wtd. (ft)       *    19.66  * Wetted Per. (ft)      *    3.69  *   11.20  *    0.69  *
* Min Ch El (ft)         *   480.76  * Shear (lb/sq ft)      *    0.44  *    0.99  *    0.20  *
* Alpha                  *     1.20  * Stream Power (lb/ft s)*  216.03  *    0.00  *    0.00  *
* Frctn Loss (ft)        *     0.11  * Cum Volume (acre-ft)  *    0.03  *    0.21  *    0.05  *
* C & E Loss (ft)        *     0.08  * Cum SA (acres)        *    0.04  *    0.08  *    0.06  *
**************************************************************************************************
```

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #50-year flow

```
**************************************************************************************************
* E.G. Elev (ft)         *   485.65  * Element               *  Left OB *  Channel * Right OB *
* Vel Head (ft)          *     0.64  * Wt. n-Val.            *   0.080  *   0.035  *   0.080  *
* W.S. Elev (ft)         *   485.01  * Reach Len. (ft)       *   18.27  *   19.71  *   19.65  *
* Crit W.S. (ft)         *   484.42  * Flow Area (sq ft)     *    7.20  *   27.21  *    1.19  *
* E.G. Slope (ft/ft)     * 0.007409  * Area (sq ft)          *    7.20  *   27.21  *    1.19  *
* Q Total (cfs)          *   191.00  * Flow (cfs)            *   10.19  *  179.75  *    1.06  *
* Top Width (ft)         *    19.91  * Top Width (ft)        *    8.48  *    8.71  *    2.72  *
* Vel Total (ft/s)       *     5.37  * Avg. Vel. (ft/s)      *    1.42  *    6.61  *    0.89  *
* Max Chl Dpth (ft)      *     4.25  * Hydr. Depth (ft)      *    0.85  *    3.12  *    0.44  *
* Conv. Total (cfs)      *   2219.0  * Conv. (cfs)           *   118.4  *   2088.3 *    12.3  *
* Length Wtd. (ft)       *    19.64  * Wetted Per. (ft)      *    8.64  *   11.20  *    2.86  *
* Min Ch El (ft)         *   480.76  * Shear (lb/sq ft)      *    0.39  *    1.12  *    0.19  *
* Alpha                  *     1.43  * Stream Power (lb/ft s)*  216.03  *    0.00  *    0.00  *
* Frctn Loss (ft)        *     0.11  * Cum Volume (acre-ft)  *    0.05  *    0.25  *    0.07  *
* C & E Loss (ft)        *     0.09  * Cum SA (acres)        *    0.07  *    0.08  *    0.08  *
**************************************************************************************************
```

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #100-year flow

```
**************************************************************************************************
* E.G. Elev (ft)         *   486.19  * Element               *  Left OB *  Channel * Right OB *
* Vel Head (ft)          *     0.75  * Wt. n-Val.            *   0.080  *   0.035  *   0.080  *
* W.S. Elev (ft)         *   485.44  * Reach Len. (ft)       *   18.27  *   19.71  *   19.65  *
* Crit W.S. (ft)         *   484.84  * Flow Area (sq ft)     *   11.30  *   30.95  *    2.64  *
```

E.G. Slope (ft/ft)	0.007517	Area (sq ft)	11.30	30.95	2.64
Q Total (cfs)	246.00	Flow (cfs)	18.57	224.34	3.09
Top Width (ft)	23.53	Top Width (ft)	10.76	8.71	4.05
Vel Total (ft/s)	5.48	Avg. Vel. (ft/s)	1.64	7.25	1.17
Max Chl Dpth (ft)	4.68	Hydr. Depth (ft)	1.05	3.55	0.65
Conv. Total (cfs)	2837.3	Conv. (cfs)	214.2	2587.4	35.6
Length Wtd. (ft)	19.62	Wetted Per. (ft)	10.96	11.20	4.26
Min Ch El (ft)	480.76	Shear (lb/sq ft)	0.48	1.30	0.29
Alpha	1.60	Stream Power (lb/ft s)	216.03	0.00	0.00
Frctn Loss (ft)	0.11	Cum Volume (acre-ft)	0.07	0.29	0.10
C & E Loss (ft)	0.11	Cum SA (acres)	0.08	0.08	0.10

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 164.443

INPUT
Description:
Station Elevation Data num= 44

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	485.59	5	485.69	9.99	485.87	14.99	485.86	19.99	485.84
24.98	485.92	29.98	486.07	34.98	486.1	39.97	486.11	44.97	486.04
49.97	486.07	54.96	486.17	59.96	486.13	64.96	486.15	69.95	485.98
74.95	485.74	79.89	485.65	84.82	485.49	89.76	485.33	94.7	485.24
99.63	484.63	104.57	482.9	106.49	482.51	107.75	481	109.51	480.6
111.88	482.23	114.45	482.61	119.38	484.56	124.32	484.87	129.26	485.38
134.19	485.63	139.13	485.5	144.07	485.42	149	485.59	153.85	485.74
158.69	485.89	163.53	486.05	168.38	486.2	173.22	486.47	178.06	486.97
182.91	487.63	187.75	488.05	192.59	488.14	197.43	488.11		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	104.57	.035	114.45	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
104.57	114.45	27.9	29.72	31.67	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	484.15	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.28	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	483.87	Reach Len. (ft)	27.90	29.72	31.67
Crit W.S. (ft)		Flow Area (sq ft)	1.35	19.86	2.01
E.G. Slope (ft/ft)	0.004755	Area (sq ft)	1.35	19.86	2.01
Q Total (cfs)	88.00	Flow (cfs)	1.03	85.17	1.80
Top Width (ft)	15.84	Top Width (ft)	2.77	9.88	3.19
Vel Total (ft/s)	3.79	Avg. Vel. (ft/s)	0.76	4.29	0.90
Max Chl Dpth (ft)	3.27	Hydr. Depth (ft)	0.49	2.01	0.63
Conv. Total (cfs)	1276.2	Conv. (cfs)	14.9	1235.1	26.2
Length Wtd. (ft)	29.73	Wetted Per. (ft)	2.94	11.21	3.43
Min Ch El (ft)	480.60	Shear (lb/sq ft)	0.14	0.53	0.17
Alpha	1.24	Stream Power (lb/ft s)	197.43	0.00	0.00
Frctn Loss (ft)	0.12	Cum Volume (acre-ft)	0.01	0.12	0.01
C & E Loss (ft)	0.04	Cum SA (acres)	0.02	0.07	0.02

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	484.54	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.31	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.23	Reach Len. (ft)	27.90	29.72	31.67
Crit W.S. (ft)		Flow Area (sq ft)	2.52	23.39	3.31
E.G. Slope (ft/ft)	0.004382	Area (sq ft)	2.52	23.39	3.31
Q Total (cfs)	113.00	Flow (cfs)	2.27	107.36	3.37
Top Width (ft)	17.76	Top Width (ft)	3.79	9.88	4.09
Vel Total (ft/s)	3.87	Avg. Vel. (ft/s)	0.90	4.59	1.02
Max Chl Dpth (ft)	3.63	Hydr. Depth (ft)	0.66	2.37	0.81
Conv. Total (cfs)	1707.1	Conv. (cfs)	34.3	1622.0	50.9
Length Wtd. (ft)	29.73	Wetted Per. (ft)	4.02	11.21	4.40
Min Ch El (ft)	480.60	Shear (lb/sq ft)	0.17	0.57	0.21
Alpha	1.34	Stream Power (lb/ft s)	197.43	0.00	0.00
Frctn Loss (ft)	0.11	Cum Volume (acre-ft)	0.02	0.15	0.02
C & E Loss (ft)	0.05	Cum SA (acres)	0.02	0.07	0.03

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	485.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.39	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.67	Reach Len. (ft)	27.90	29.72	31.67
Crit W.S. (ft)		Flow Area (sq ft)	4.46	27.72	5.42
E.G. Slope (ft/ft)	0.004507	Area (sq ft)	4.46	27.72	5.42
Q Total (cfs)	155.00	Flow (cfs)	4.81	144.48	5.70
Top Width (ft)	21.74	Top Width (ft)	5.23	9.88	6.62
Vel Total (ft/s)	4.12	Avg. Vel. (ft/s)	1.08	5.21	1.05
Max Chl Dpth (ft)	4.07	Hydr. Depth (ft)	0.85	2.81	0.82
Conv. Total (cfs)	2308.9	Conv. (cfs)	71.7	2152.2	84.9
Length Wtd. (ft)	29.75	Wetted Per. (ft)	5.53	11.21	7.00
Min Ch El (ft)	480.60	Shear (lb/sq ft)	0.23	0.70	0.22
Alpha	1.49	Stream Power (lb/ft s)	197.43	0.00	0.00
Frctn Loss (ft)	0.10	Cum Volume (acre-ft)	0.03	0.20	0.05
C & E Loss (ft)	0.07	Cum SA (acres)	0.04	0.08	0.06

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	485.45	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.46	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.99	Reach Len. (ft)	27.90	29.72	31.67

```
* Crit W.S. (ft)        *           * Flow Area (sq ft)        *    6.56  *   30.90  *    8.34  *
* E.G. Slope (ft/ft)    *0.004617   * Area (sq ft)             *    6.56  *   30.90  *    8.34  *
* Q Total (cfs)         *   191.00  * Flow (cfs)               *    7.17  *  175.29  *    8.54  *
* Top Width (ft)        *    28.73  * Top Width (ft)           *    7.84  *    9.88  *   11.02  *
* Vel Total (ft/s)      *     4.17  * Avg. Vel. (ft/s)         *    1.09  *    5.67  *    1.02  *
* Max Chl Dpth (ft)     *     4.39  * Hydr. Depth (ft)         *    0.84  *    3.13  *    0.76  *
* Conv. Total (cfs)     *   2810.9  * Conv. (cfs)              *   105.5  *  2579.7  *   125.7  *
* Length Wtd. (ft)      *    29.77  * Wetted Per. (ft)         *    8.15  *   11.21  *   11.40  *
* Min Ch El (ft)        *   480.60  * Shear (lb/sq ft)         *    0.23  *    0.79  *    0.21  *
* Alpha                 *     1.70  * Stream Power (lb/ft s)   *  197.43  *    0.00  *    0.00  *
* Frctn Loss (ft)       *     0.09  * Cum Volume (acre-ft)     *    0.04  *    0.23  *    0.07  *
* C & E Loss (ft)       *     0.09  * Cum SA (acres)           *    0.06  *    0.08  *    0.07  *
*************************************************************************************************
```

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

```
CROSS SECTION OUTPUT  Profile #100-year flow
*************************************************************************************************
* E.G. Elev (ft)        *   485.97  * Element                  * Left OB  * Channel  * Right OB *
* Vel Head (ft)         *     0.53  * Wt. n-Val.               *   0.080  *   0.035  *   0.080  *
* W.S. Elev (ft)        *   485.43  * Reach Len. (ft)          *   27.90  *   29.72  *   31.67  *
* Crit W.S. (ft)        *   484.49  * Flow Area (sq ft)        *   11.62  *   35.31  *   14.24  *
* E.G. Slope (ft/ft)    *0.004613   * Area (sq ft)             *   11.62  *   35.31  *   14.24  *
* Q Total (cfs)         *   246.00  * Flow (cfs)               *   10.80  *  218.80  *   16.40  *
* Top Width (ft)        *    45.10  * Top Width (ft)           *   18.03  *    9.88  *   17.19  *
* Vel Total (ft/s)      *     4.02  * Avg. Vel. (ft/s)         *    0.93  *    6.20  *    1.15  *
* Max Chl Dpth (ft)     *     4.83  * Hydr. Depth (ft)         *    0.64  *    3.57  *    0.83  *
* Conv. Total (cfs)     *   3622.0  * Conv. (cfs)              *   158.9  *  3221.5  *   241.5  *
* Length Wtd. (ft)      *    29.83  * Wetted Per. (ft)         *   18.37  *   11.21  *   17.60  *
* Min Ch El (ft)        *   480.60  * Shear (lb/sq ft)         *    0.18  *    0.91  *    0.23  *
* Alpha                 *     2.12  * Stream Power (lb/ft s)   *  197.43  *    0.00  *    0.00  *
* Frctn Loss (ft)       *     0.08  * Cum Volume (acre-ft)     *    0.06  *    0.28  *    0.10  *
* C & E Loss (ft)       *     0.12  * Cum SA (acres)           *    0.07  *    0.08  *    0.10  *
*************************************************************************************************
```

Warning: Divided flow computed for this cross-section.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach   RS: 135.2617

```
INPUT
Description:
Station Elevation Data      num=        25
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
******************************************************************************************
   39.32   485.48    44.24    485.4    49.15   484.93    54.07   483.72    57.93   482.04
   58.98   481.58    63.81    480.4     63.9   481.35    68.81   483.22    73.73   484.31
   78.65    484.4    83.56   484.29    88.48   484.44    93.39   484.73    98.31   485.04
  103.22   485.55   108.14   486.16   113.05   486.36   117.97   486.48   122.88   486.48
   127.8   486.45   132.71   486.44   137.63   486.43   142.54   486.48   147.46   486.61

Manning's n Values          num=         3
     Sta    n Val      Sta    n Val      Sta    n Val
******************************************************
   39.32      .08    49.15     .035    73.73      .08

Bank Sta: Left    Right     Lengths: Left Channel    Right       Coeff Contr.     Expan.
         49.15    73.73               17.12  135.26   15.26                .1         .3
```

```
CROSS SECTION OUTPUT  Profile #5-year flow
*************************************************************************************************
* E.G. Elev (ft)        *   483.99  * Element                  * Left OB  * Channel  * Right OB *
* Vel Head (ft)         *     0.15  * Wt. n-Val.               *          *   0.035  *          *
* W.S. Elev (ft)        *   483.84  * Reach Len. (ft)          *   17.12  *  135.26  *   15.26  *
* Crit W.S. (ft)        *           * Flow Area (sq ft)        *          *   28.48  *          *
* E.G. Slope (ft/ft)    *0.003294   * Area (sq ft)             *          *   28.48  *          *
* Q Total (cfs)         *    88.00  * Flow (cfs)               *          *   88.00  *          *
* Top Width (ft)        *    18.06  * Top Width (ft)           *          *   18.06  *          *
* Vel Total (ft/s)      *     3.09  * Avg. Vel. (ft/s)         *          *    3.09  *          *
* Max Chl Dpth (ft)     *     3.44  * Hydr. Depth (ft)         *          *    1.58  *          *
* Conv. Total (cfs)     *   1533.3  * Conv. (cfs)              *          *  1533.3  *          *
* Length Wtd. (ft)      *   134.72  * Wetted Per. (ft)         *          *   19.94  *          *
* Min Ch El (ft)        *   480.40  * Shear (lb/sq ft)         *          *    0.29  *          *
* Alpha                 *     1.00  * Stream Power (lb/ft s)   *  147.46  *    0.00  *    0.00  *
* Frctn Loss (ft)       *     0.95  * Cum Volume (acre-ft)     *    0.01  *    0.11  *    0.01  *
* C & E Loss (ft)       *     0.08  * Cum SA (acres)           *    0.02  *    0.06  *    0.02  *
*************************************************************************************************
```

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

```
CROSS SECTION OUTPUT  Profile #10-year flow
*************************************************************************************************
* E.G. Elev (ft)        *   484.38  * Element                  * Left OB  * Channel  * Right OB *
* Vel Head (ft)         *     0.15  * Wt. n-Val.               *          *   0.035  *          *
* W.S. Elev (ft)        *   484.23  * Reach Len. (ft)          *   17.12  *  135.26  *   15.26  *
* Crit W.S. (ft)        *           * Flow Area (sq ft)        *          *   36.14  *          *
* E.G. Slope (ft/ft)    *0.003033   * Area (sq ft)             *          *   36.14  *          *
* Q Total (cfs)         *   113.00  * Flow (cfs)               *          *  113.00  *          *
* Top Width (ft)        *    21.39  * Top Width (ft)           *          *   21.39  *          *
* Vel Total (ft/s)      *     3.13  * Avg. Vel. (ft/s)         *          *    3.13  *          *
* Max Chl Dpth (ft)     *     3.83  * Hydr. Depth (ft)         *          *    1.69  *          *
* Conv. Total (cfs)     *   2051.9  * Conv. (cfs)              *          *  2051.9  *          *
* Length Wtd. (ft)      *   133.78  * Wetted Per. (ft)         *          *   23.36  *          *
* Min Ch El (ft)        *   480.40  * Shear (lb/sq ft)         *          *    0.29  *          *
* Alpha                 *     1.00  * Stream Power (lb/ft s)   *  147.46  *    0.00  *    0.00  *
* Frctn Loss (ft)       *     0.86  * Cum Volume (acre-ft)     *    0.01  *    0.13  *    0.02  *
```

C & E Loss (ft)	0.08	Cum SA (acres)	0.02	0.06	0.03

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #25-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	484.89	Wt. n-Val.		0.035	0.080
Vel Head (ft)	0.16	Reach Len. (ft)	17.12	135.26	15.26
W.S. Elev (ft)	484.73	Flow Area (sq ft)		47.56	6.34
Crit W.S. (ft)		Area (sq ft)		47.56	6.34
E.G. Slope (ft/ft)	0.002518	Flow (cfs)		152.23	2.77
Q Total (cfs)	155.00	Top Width (ft)		23.79	19.74
Top Width (ft)	43.52	Avg. Vel. (ft/s)		3.20	0.44
Vel Total (ft/s)	2.88	Hydr. Depth (ft)		2.00	0.32
Max Chl Dpth (ft)	4.33	Conv. (cfs)		3033.6	55.2
Conv. Total (cfs)	3088.8	Wetted Per. (ft)		25.83	19.75
Length Wtd. (ft)	126.90	Shear (lb/sq ft)		0.29	0.05
Min Ch El (ft)	480.40	Stream Power (lb/ft s)	147.46	0.00	0.00
Alpha	1.22	Cum Volume (acre-ft)	0.03	0.17	0.05
Frctn Loss (ft)	0.51	Cum SA (acres)	0.04	0.07	0.05
C & E Loss (ft)	0.04				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	485.27	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.15	Reach Len. (ft)	17.12	135.26	15.26
W.S. Elev (ft)	485.11	Flow Area (sq ft)	0.18	56.78	14.93
Crit W.S. (ft)		Area (sq ft)	0.18	56.78	14.93
E.G. Slope (ft/ft)	0.002080	Flow (cfs)	0.03	182.08	8.89
Q Total (cfs)	191.00	Top Width (ft)	1.91	24.58	25.29
Top Width (ft)	51.78	Avg. Vel. (ft/s)	0.17	3.21	0.60
Vel Total (ft/s)	2.66	Hydr. Depth (ft)	0.09	2.31	0.59
Max Chl Dpth (ft)	4.71	Conv. (cfs)	0.7	3992.7	195.0
Conv. Total (cfs)	4188.3	Wetted Per. (ft)	1.92	26.64	25.31
Length Wtd. (ft)	123.34	Shear (lb/sq ft)	0.01	0.28	0.08
Min Ch El (ft)	480.40	Stream Power (lb/ft s)	147.46	0.00	0.00
Alpha	1.39	Cum Volume (acre-ft)	0.04	0.20	0.06
Frctn Loss (ft)	0.44	Cum SA (acres)	0.06	0.07	0.06
C & E Loss (ft)	0.05				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	485.77	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.15	Reach Len. (ft)	17.12	135.26	15.26
W.S. Elev (ft)	485.63	Flow Area (sq ft)	3.18	69.38	29.15
Crit W.S. (ft)		Area (sq ft)	3.18	69.38	29.15
E.G. Slope (ft/ft)	0.001609	Flow (cfs)	1.10	223.67	21.23
Q Total (cfs)	246.00	Top Width (ft)	9.83	24.58	30.10
Top Width (ft)	64.51	Avg. Vel. (ft/s)	0.35	3.22	0.73
Vel Total (ft/s)	2.42	Hydr. Depth (ft)	0.32	2.82	0.97
Max Chl Dpth (ft)	5.23	Conv. (cfs)	27.5	5575.8	529.3
Conv. Total (cfs)	6132.6	Wetted Per. (ft)	10.00	26.64	30.16
Length Wtd. (ft)	120.40	Shear (lb/sq ft)	0.03	0.26	0.10
Min Ch El (ft)	480.40	Stream Power (lb/ft s)	147.46	0.00	0.00
Alpha	1.62	Cum Volume (acre-ft)	0.06	0.24	0.08
Frctn Loss (ft)	0.40	Cum SA (acres)	0.06	0.07	0.08
C & E Loss (ft)	0.08				

Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 134.7241

INPUT
Description:
Station Elevation Data num= 46

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	485.53	4.84	485.63	9.68	485.67	14.52	485.68	19.36	485.77
24.2	485.86	29.03	485.93	33.87	485.94	38.71	485.82	43.55	485.83
48.39	485.84	53.23	485.91	58.07	486.16	62.91	486.06	67.75	485.87
72.59	485.64	77.42	485.62	82.26	485.44	87.1	485.31	91.94	485.36
96.78	485.47	101.17	485.45	106.11	485.04	111.05	483.84	115.49	481.98
116	481.77	118	480	120.94	478.6	121.34	481.41	125.88	483.04
130.83	484.28	135.77	484.41	140.71	484.28	145.66	484.4	150.6	484.69
155.55	485.02	160.49	485.52	165.43	486.14	170.38	486.35	175.32	486.47
180.26	486.48	185.21	486.45	190.15	486.43	195.09	486.43	200.04	486.48
204.98	486.61								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	115.49	.035	121.34	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
115.49	121.34	8.26	17.88	26.53	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	482.96	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.90	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	482.06	Reach Len. (ft)	8.26	17.88	26.53
Crit W.S. (ft)	482.06	Flow Area (sq ft)	0.01	11.40	0.59
E.G. Slope (ft/ft)	0.024804	Area (sq ft)	0.01	11.40	0.59
Q Total (cfs)	88.00	Flow (cfs)	0.00	87.21	0.79
Top Width (ft)	7.87	Top Width (ft)	0.20	5.85	1.82
Vel Total (ft/s)	7.33	Avg. Vel. (ft/s)	0.33	7.65	1.33
Max Chl Dpth (ft)	3.46	Hydr. Depth (ft)	0.04	1.95	0.33
Conv. Total (cfs)	558.8	Conv. (cfs)	0.0	553.7	5.0
Length Wtd. (ft)	17.81	Wetted Per. (ft)	0.22	9.32	1.93
Min Ch El (ft)	478.60	Shear (lb/sq ft)	0.06	1.89	0.48
Alpha	1.08	Stream Power (lb/ft s)	204.98	0.00	0.00
Frctn Loss (ft)	0.07	Cum Volume (acre-ft)	0.01	0.05	0.01
C & E Loss (ft)	0.24	Cum SA (acres)	0.02	0.02	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	483.44	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.99	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	482.45	Reach Len. (ft)	8.26	17.88	26.53
Crit W.S. (ft)	482.45	Flow Area (sq ft)	0.26	13.64	1.50
E.G. Slope (ft/ft)	0.021770	Area (sq ft)	0.26	13.64	1.50
Q Total (cfs)	113.00	Flow (cfs)	0.26	110.20	2.54
Top Width (ft)	9.85	Top Width (ft)	1.11	5.85	2.89
Vel Total (ft/s)	7.34	Avg. Vel. (ft/s)	0.98	8.08	1.70
Max Chl Dpth (ft)	3.85	Hydr. Depth (ft)	0.23	2.33	0.52
Conv. Total (cfs)	765.9	Conv. (cfs)	1.7	746.9	17.2
Length Wtd. (ft)	17.85	Wetted Per. (ft)	1.21	9.32	3.07
Min Ch El (ft)	478.60	Shear (lb/sq ft)	0.29	1.99	0.66
Alpha	1.18	Stream Power (lb/ft s)	204.98	0.00	0.00
Frctn Loss (ft)	0.04	Cum Volume (acre-ft)	0.01	0.05	0.02
C & E Loss (ft)	0.27	Cum SA (acres)	0.02	0.02	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	484.34	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.55	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	483.79	Reach Len. (ft)	8.26	17.88	26.53
Crit W.S. (ft)		Flow Area (sq ft)	3.92	21.51	8.24
E.G. Slope (ft/ft)	0.007280	Area (sq ft)	3.92	21.51	8.24
Q Total (cfs)	155.00	Flow (cfs)	5.50	136.09	13.41
Top Width (ft)	17.71	Top Width (ft)	4.32	5.85	7.54
Vel Total (ft/s)	4.60	Avg. Vel. (ft/s)	1.41	6.33	1.63
Max Chl Dpth (ft)	5.19	Hydr. Depth (ft)	0.91	3.68	1.09
Conv. Total (cfs)	1816.7	Conv. (cfs)	64.5	1595.0	157.1
Length Wtd. (ft)	18.01	Wetted Per. (ft)	4.69	9.32	7.92
Min Ch El (ft)	478.60	Shear (lb/sq ft)	0.38	1.05	0.47
Alpha	1.67	Stream Power (lb/ft s)	204.98	0.00	0.00
Frctn Loss (ft)	0.02	Cum Volume (acre-ft)	0.03	0.07	0.04
C & E Loss (ft)	0.15	Cum SA (acres)	0.04	0.02	0.04

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	484.78	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.62	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.15	Reach Len. (ft)	8.26	17.88	26.53
Crit W.S. (ft)	483.41	Flow Area (sq ft)	5.72	23.63	11.23
E.G. Slope (ft/ft)	0.007529	Area (sq ft)	5.72	23.63	11.23
Q Total (cfs)	191.00	Flow (cfs)	8.80	161.84	20.36
Top Width (ft)	20.56	Top Width (ft)	5.73	5.85	8.98
Vel Total (ft/s)	4.71	Avg. Vel. (ft/s)	1.54	6.85	1.81
Max Chl Dpth (ft)	5.55	Hydr. Depth (ft)	1.00	4.04	1.25
Conv. Total (cfs)	2201.2	Conv. (cfs)	101.4	1865.2	234.7
Length Wtd. (ft)	18.01	Wetted Per. (ft)	6.14	9.32	9.40
Min Ch El (ft)	478.60	Shear (lb/sq ft)	0.44	1.19	0.56
Alpha	1.82	Stream Power (lb/ft s)	204.98	0.00	0.00
Frctn Loss (ft)	0.02	Cum Volume (acre-ft)	0.04	0.08	0.06
C & E Loss (ft)	0.16	Cum SA (acres)	0.06	0.02	0.05

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	485.30	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.90	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.40	Reach Len. (ft)	8.26	17.88	26.53
Crit W.S. (ft)	483.94	Flow Area (sq ft)	7.25	25.06	14.34

CalifonFloodplainSt

E.G. Slope (ft/ft)	0.010140	Area (sq ft)	7.25	25.06	14.34
Q Total (cfs)	246.00	Flow (cfs)	13.64	207.18	25.18
Top Width (ft)	35.92	Top Width (ft)	6.74	5.85	23.33
Vel Total (ft/s)	5.27	Avg. Vel. (ft/s)	1.88	8.27	1.76
Max Chl Dpth (ft)	5.80	Hydr. Depth (ft)	1.08	4.28	0.61
Conv. Total (cfs)	2443.0	Conv. (cfs)	135.5	2057.5	250.1
Length Wtd. (ft)	17.83	Wetted Per. (ft)	7.18	9.32	23.77
Min Ch El (ft)	478.60	Shear (lb/sq ft)	0.64	1.70	0.38
Alpha	2.09	Stream Power (lb/ft s)	204.98	0.00	0.00
Frctn Loss (ft)	0.03	Cum Volume (acre-ft)	0.06	0.09	0.08
C & E Loss (ft)	0.26	Cum SA (acres)	0.06	0.02	0.07

Warning: The energy equation could not be balanced within the specified number of iterations. The program selected the water surface that had the least amount of error between computed and assumed values.
Warning: Divided flow computed for this cross-section.
Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 116.8404

INPUT
Description:
Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	485.45	4.62	485.47	9.23	485.69	13.85	485.99	18.47	486.12
23.08	486.09	27.7	485.76	32.31	485.65	36.93	485.58	41.55	485.53
46.16	485.37	50.78	485.33	55.39	485.29	60.01	485.29	64.7	485.22
69.39	485.2	74.08	484.12	78.77	481.86	82.13	480.95	83.46	480.58
87.48	480.44	88.15	480.41	90	479.1	92.84	478.5	97.53	480.27
102.21	480.92	106.14	481.68	110.95	482.86	115.76	484.12	120.57	484.4
125.38	484.72	130.19	484.89	135	485.23	139.84	485.73	144.68	485.83
149.52	485.93	154.36	486.11						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	88.15	.035	97.53	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
88.15	97.53	4.92	9.21	19.08	.3	.5

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	482.09	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.11	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	481.98	Reach Len. (ft)	4.92	9.21	19.08
Crit W.S. (ft)		Flow Area (sq ft)	10.52	25.32	9.34
E.G. Slope (ft/ft)	0.001409	Area (sq ft)	10.52	25.32	9.34
Q Total (cfs)	88.00	Flow (cfs)	7.67	74.09	6.23
Top Width (ft)	28.85	Top Width (ft)	9.63	9.38	9.84
Vel Total (ft/s)	1.95	Avg. Vel. (ft/s)	0.73	2.93	0.67
Max Chl Dpth (ft)	3.48	Hydr. Depth (ft)	1.09	2.70	0.95
Conv. Total (cfs)	2344.0	Conv. (cfs)	204.4	1973.6	166.0
Length Wtd. (ft)	9.37	Wetted Per. (ft)	9.83	10.18	9.99
Min Ch El (ft)	478.50	Shear (lb/sq ft)	0.09	0.22	0.08
Alpha	1.92	Stream Power (lb/ft s)	154.36	0.00	0.00
Frctn Loss (ft)	0.02	Cum Volume (acre-ft)	0.01	0.04	0.01
C & E Loss (ft)	0.02	Cum SA (acres)	0.01	0.02	0.02

CROSS SECTION OUTPUT Profile #10-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	482.85	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.09	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	482.76	Reach Len. (ft)	4.92	9.21	19.08
Crit W.S. (ft)		Flow Area (sq ft)	18.70	32.67	18.30
E.G. Slope (ft/ft)	0.000833	Area (sq ft)	18.70	32.67	18.30
Q Total (cfs)	113.00	Flow (cfs)	13.76	87.09	12.15
Top Width (ft)	33.67	Top Width (ft)	11.26	9.38	13.03
Vel Total (ft/s)	1.62	Avg. Vel. (ft/s)	0.74	2.67	0.66
Max Chl Dpth (ft)	4.26	Hydr. Depth (ft)	1.66	3.48	1.40
Conv. Total (cfs)	3915.6	Conv. (cfs)	476.7	3017.9	421.0
Length Wtd. (ft)	9.55	Wetted Per. (ft)	11.64	10.18	13.28
Min Ch El (ft)	478.50	Shear (lb/sq ft)	0.08	0.17	0.07
Alpha	2.13	Stream Power (lb/ft s)	154.36	0.00	0.00
Frctn Loss (ft)	0.01	Cum Volume (acre-ft)	0.01	0.04	0.01
C & E Loss (ft)	0.03	Cum SA (acres)	0.02	0.02	0.02

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #25-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	484.17	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.11	Reach Len. (ft)	4.92	9.21	19.08
Crit W.S. (ft)		Flow Area (sq ft)	35.76	45.32	39.36
E.G. Slope (ft/ft)	0.000415	Area (sq ft)	35.76	45.32	39.36
Q Total (cfs)	155.00	Flow (cfs)	24.43	106.04	24.53
Top Width (ft)	41.63	Top Width (ft)	14.05	9.38	18.20
Vel Total (ft/s)	1.29	Avg. Vel. (ft/s)	0.68	2.34	0.62
Max Chl Dpth (ft)	5.61	Hydr. Depth (ft)	2.54	4.83	2.16
Conv. Total (cfs)	7608.9	Conv. (cfs)	1199.1	5205.5	1204.3
Length Wtd. (ft)	10.07	Wetted Per. (ft)	14.74	10.18	18.62
Min Ch El (ft)	478.50	Shear (lb/sq ft)	0.06	0.12	0.05
Alpha	2.34	Stream Power (lb/ft s)	154.36	0.00	0.00
Frctn Loss (ft)	0.01	Cum Volume (acre-ft)	0.02	0.05	0.03
C & E Loss (ft)	0.03	Cum SA (acres)	0.03	0.02	0.04

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	484.59	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.08	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.52	Reach Len. (ft)	4.92	9.21	19.08
Crit W.S. (ft)		Flow Area (sq ft)	41.78	49.10	48.05
E.G. Slope (ft/ft)	0.000475	Area (sq ft)	41.78	49.10	48.05
Q Total (cfs)	191.00	Flow (cfs)	31.39	129.70	29.90
Top Width (ft)	49.94	Top Width (ft)	15.79	9.38	24.78
Vel Total (ft/s)	1.37	Avg. Vel. (ft/s)	0.75	2.64	0.62
Max Chl Dpth (ft)	6.02	Hydr. Depth (ft)	2.65	5.23	1.94
Conv. Total (cfs)	8762.0	Conv. (cfs)	1440.1	5950.0	1371.9
Length Wtd. (ft)	10.14	Wetted Per. (ft)	16.52	10.18	25.21
Min Ch El (ft)	478.50	Shear (lb/sq ft)	0.08	0.14	0.06
Alpha	2.59	Stream Power (lb/ft s)	154.36	0.00	0.00
Frctn Loss (ft)	0.01	Cum Volume (acre-ft)	0.04	0.06	0.04
C & E Loss (ft)	0.03	Cum SA (acres)	0.06	0.02	0.04

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	485.08	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.10	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.98	Reach Len. (ft)	4.92	9.21	19.08
Crit W.S. (ft)		Flow Area (sq ft)	49.49	53.41	61.40
E.G. Slope (ft/ft)	0.000571	Area (sq ft)	49.49	53.41	61.40
Q Total (cfs)	246.00	Flow (cfs)	42.23	163.60	40.17
Top Width (ft)	61.03	Top Width (ft)	17.78	9.38	33.86
Vel Total (ft/s)	1.50	Avg. Vel. (ft/s)	0.85	3.06	0.65
Max Chl Dpth (ft)	6.48	Hydr. Depth (ft)	2.78	5.69	1.81
Conv. Total (cfs)	10293.7	Conv. (cfs)	1766.9	6845.7	1681.1
Length Wtd. (ft)	10.24	Wetted Per. (ft)	18.57	10.18	34.31
Min Ch El (ft)	478.50	Shear (lb/sq ft)	0.10	0.19	0.06
Alpha	2.87	Stream Power (lb/ft s)	154.36	0.00	0.00
Frctn Loss (ft)	0.01	Cum Volume (acre-ft)	0.05	0.08	0.05
C & E Loss (ft)	0.04	Cum SA (acres)	0.06	0.02	0.05

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4.
This may indicate the need for additional cross sections.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 107.6303

INPUT
Description: Upstream section from Columbia Trail
Station Elevation Data num= 29

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	486.04	4.93	485.82	9.86	485.64	14.79	485.6	19.72	485.55
24.66	485.4	29.59	485.3	34.52	485.27	39.45	485.28	44.38	485.31
48.79	485.35	53.21	484.52	57.62	482.79	57.88	481.818	58.8	478.38
62.03	478.36	65.3	478.39	66.16	481.69	66.75	481.73	71.47	482.34
72.79	482.6	76.19	483.27	80.91	484.48	85.63	485.24	90.34	485.63
95.06	485.82	99.78	485.89	104.5	485.82	109.22	485.41		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	57.88	.035	66.16	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
57.88	66.16	32.27	36.83	37.82	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	57.59	483.3	F
68.82	109.22	483.27	F

CROSS SECTION OUTPUT Profile #5-year flow

E.G. Elev (ft)	482.06	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.	0.000	0.035	0.080
W.S. Elev (ft)	481.88	Reach Len. (ft)	32.27	36.83	37.82
Crit W.S. (ft)	480.12	Flow Area (sq ft)	0.00	26.01	0.19
E.G. Slope (ft/ft)	0.002637	Area (sq ft)	0.00	26.01	0.19
Q Total (cfs)	88.00	Flow (cfs)	0.00	87.96	0.04
Top Width (ft)	10.04	Top Width (ft)	0.02	8.28	1.75
Vel Total (ft/s)	3.36	Avg. Vel. (ft/s)	0.04	3.38	0.21
Max Chl Dpth (ft)	3.52	Hydr. Depth (ft)	0.03	3.14	0.11
Conv. Total (cfs)	1713.7	Conv. (cfs)	0.0	1712.9	0.8
Length Wtd. (ft)	36.83	Wetted Per. (ft)	0.06	13.47	1.76
Min Ch El (ft)	478.36	Shear (lb/sq ft)		0.32	0.02
Alpha	1.01	Stream Power (lb/ft s)	109.22	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.01	0.03	0.01
C & E Loss (ft)		Cum SA (acres)	0.01	0.02	0.01

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #10-year flow

E.G. Elev (ft)	482.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	482.63	Reach Len. (ft)	32.27	36.83	37.82
Crit W.S. (ft)	480.42	Flow Area (sq ft)	0.09	32.20	2.12

CalifonFloodplainSt

E.G. Slope (ft/ft)	0.002079	Area (sq ft)	0.09	32.20	3.54
Q Total (cfs)	113.00	Flow (cfs)	0.02	111.45	1.54
Top Width (ft)	15.26	Top Width (ft)	0.22	8.28	6.76
Vel Total (ft/s)	3.28	Avg. Vel. (ft/s)	0.19	3.46	0.72
Max Chl Dpth (ft)	4.27	Hydr. Depth (ft)	0.40	3.89	0.80
Conv. Total (cfs)	2478.0	Conv. (cfs)	0.4	2444.0	33.7
Length Wtd. (ft)	36.83	Wetted Per. (ft)	0.84	13.47	2.68
Min Ch El (ft)	478.36	Shear (lb/sq ft)	0.01	0.31	0.10
Alpha	1.10	Stream Power (lb/ft s)	109.22	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.01	0.04	0.01
C & E Loss (ft)		Cum SA (acres)	0.02	0.02	0.02

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #25-year flow

E.G. Elev (ft)	484.14	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.15	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	483.99	Reach Len. (ft)	32.27	36.83	37.82
Crit W.S. (ft)	480.89	Flow Area (sq ft)	2.28	43.50	17.19
E.G. Slope (ft/ft)	0.001216	Area (sq ft)	2.28	43.50	17.19
Q Total (cfs)	155.00	Flow (cfs)	0.97	140.67	13.36
Top Width (ft)	24.44	Top Width (ft)	3.32	8.28	12.84
Vel Total (ft/s)	2.46	Avg. Vel. (ft/s)	0.42	3.23	0.78
Max Chl Dpth (ft)	5.63	Hydr. Depth (ft)	0.69	5.25	1.34
Conv. Total (cfs)	4445.6	Conv. (cfs)	27.7	4034.6	383.3
Length Wtd. (ft)	36.83	Wetted Per. (ft)	4.29	13.47	13.06
Min Ch El (ft)	478.36	Shear (lb/sq ft)	0.04	0.25	0.10
Alpha	1.57	Stream Power (lb/ft s)	109.22	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.02	0.04	0.02
C & E Loss (ft)		Cum SA (acres)	0.03	0.02	0.03

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #50-year flow

E.G. Elev (ft)	484.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.18	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.37	Reach Len. (ft)	32.27	36.83	37.82
Crit W.S. (ft)	481.25	Flow Area (sq ft)	3.73	46.66	22.38
E.G. Slope (ft/ft)	0.001380	Area (sq ft)	3.73	46.66	22.38
Q Total (cfs)	191.00	Flow (cfs)	2.03	168.45	20.52
Top Width (ft)	26.91	Top Width (ft)	4.29	8.28	14.33
Vel Total (ft/s)	2.62	Avg. Vel. (ft/s)	0.54	3.61	0.92
Max Chl Dpth (ft)	6.01	Hydr. Depth (ft)	0.87	5.64	1.56
Conv. Total (cfs)	5142.4	Conv. (cfs)	54.6	4535.3	552.5
Length Wtd. (ft)	36.83	Wetted Per. (ft)	5.34	13.47	14.60
Min Ch El (ft)	478.36	Shear (lb/sq ft)	0.06	0.30	0.13
Alpha	1.68	Stream Power (lb/ft s)	109.22	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.03	0.05	0.03
C & E Loss (ft)		Cum SA (acres)	0.05	0.02	0.04

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #100-year flow

E.G. Elev (ft)	485.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.24	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	484.79	Reach Len. (ft)	32.27	36.83	37.82
Crit W.S. (ft)	481.76	Flow Area (sq ft)	5.82	50.08	28.74
E.G. Slope (ft/ft)	0.001706	Area (sq ft)	5.82	50.08	28.74
Q Total (cfs)	246.00	Flow (cfs)	3.88	210.78	31.34
Top Width (ft)	31.02	Top Width (ft)	6.09	8.28	16.65
Vel Total (ft/s)	2.91	Avg. Vel. (ft/s)	0.67	4.21	1.09
Max Chl Dpth (ft)	6.43	Hydr. Depth (ft)	0.96	6.05	1.73
Conv. Total (cfs)	5955.8	Conv. (cfs)	94.0	5103.0	758.8
Length Wtd. (ft)	36.83	Wetted Per. (ft)	7.18	13.47	16.96
Min Ch El (ft)	478.36	Shear (lb/sq ft)	0.09	0.40	0.18
Alpha	1.82	Stream Power (lb/ft s)	109.22	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)	0.05	0.07	0.03
C & E Loss (ft)		Cum SA (acres)	0.06	0.02	0.04

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CULVERT

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 89.2

INPUT
Description: Columbia Trail
Distance from Upstream XS = 10
Deck/Roadway Width = 10
Weir Coefficient = 2.6
Upstream Deck/Roadway Coordinates
num= 5

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
20	484		40	484		60	484	
80	484		100	484				

Upstream Bridge Cross Section Data
Station Elevation Data num= 29

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	486.04	4.93	485.82	9.86	485.64	14.79	485.6	19.72	485.55
24.66	485.4	29.59	485.3	34.52	485.27	39.45	485.28	44.38	485.31
48.79	485.35	53.21	484.52	57.62	482.79	57.88	481.818	58.8	478.38
62.03	478.36	65.3	478.39	66.16	481.69	66.75	481.73	71.47	482.34
72.79	482.6	76.19	483.27	80.91	484.48	85.63	485.24	90.34	485.63
95.06	485.82	99.78	485.89	104.5	485.82	109.22	485.41		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	57.88	.035	66.16	.08

Bank Sta: Left Right Coeff Contr. Expan.
57.88 66.16 .3 .5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	57.59	483.3	F
68.82	109.22	483.27	F

Downstream Deck/Roadway Coordinates
num= 6

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
0	484		20	484		40	484	
60	484		80	484		100	484	

Downstream Bridge Cross Section Data
Station Elevation Data num= 24

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	483.44	4.73	483.36	9.45	483.14	14.18	482.92	18.9	482.64
23.63	482.49	28.35	482.41	33.08	482.32	37.8	482.23	42.53	482.04
47.25	481.69	51.98	481.33	52.35	480.309	53.44	477.3	56.7	477.2
59.9	477.4	61.1	480.765	61.43	481.69	66.15	482.53	70.25	482.97
74.36	483	78.46	483.08	82.56	483.16	86.66	482.9		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	52.35	.035	61.1	.08

Bank Sta: Left Right Coeff Contr. Expan.
52.35 61.1 .3 .5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	52.07	481.96	F
61.39	86.66	481.96	F

Upstream Embankment side slope = 3 horiz. to 1.0 vertical
Downstream Embankment side slope = 3 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .98
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Culverts = 2

Culvert Name Shape Rise Span
Culvert #1 Circular 3
FHWA Chart # 1 - Concrete Pipe Culvert
FHWA Scale # 3 - Groove end entrance; pipe projecting from fill
Solution Criteria = Highest U.S. EG

Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef
1	33	.012	.012	0	.2	1

Upstream Elevation = 478.41
Centerline Station = 60
Downstream Elevation = 477.23
Centerline Station = 54.7

Culvert Name Shape Rise Span
Culvert #2 Circular 3
FHWA Chart # 1 - Concrete Pipe Culvert
FHWA Scale # 3 - Groove end entrance; pipe projecting from fill
Solution Criteria = Highest U.S. EG

Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef
1	33	.012	.012	0	.2	1

Upstream Elevation = 478.36
Centerline Station = 64
Downstream Elevation = 477.33
Centerline Station = 58.7

CULVERT OUTPUT Profile #5-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	44.35	Culv Full Len (ft)	31.01
# Barrels	1	Culv Vel US (ft/s)	6.32
Q Barrel (cfs)	44.35	Culv Vel DS (ft/s)	6.27
E.G. US. (ft)	482.06	Culv Inv El Up (ft)	478.41
W.S. US. (ft)	481.88	Culv Inv El Dn (ft)	477.23
E.G. DS (ft)	481.35	Culv Frctn Ls (ft)	0.12
W.S. DS (ft)	481.22	Culv Exit Loss (ft)	0.48
Delta EG (ft)	0.71	Culv Entr Loss (ft)	0.12
Delta WS (ft)	0.66	Q Weir (cfs)	
E.G. IC (ft)	481.71	Weir Sta Lft (ft)	
E.G. OC (ft)	482.08	Weir Sta Rgt (ft)	
Culvert Control	Outlet	Weir Submerg	
Culv WS Inlet (ft)	481.33	Weir Max Depth (ft)	
Culv WS Outlet (ft)	480.23	Weir Avg Depth (ft)	
Culv Nml Depth (ft)	1.17	Weir Flow Area (sq ft)	
Culv Crt Depth (ft)	2.17	Min El Weir Flow (ft)	484.01

CULVERT OUTPUT Profile #10-year flow Culv Group: Culvert #1

Q Culv Group (cfs)	56.28	Culv Full Len (ft)	33.00
# Barrels	1	Culv Vel US (ft/s)	7.96
Q Barrel (cfs)	56.28	Culv Vel DS (ft/s)	7.96
E.G. US. (ft)	482.82	Culv Inv El Up (ft)	478.41
W.S. US. (ft)	482.63	Culv Inv El Dn (ft)	477.23
E.G. DS (ft)	481.61	Culv Frctn Ls (ft)	0.21
W.S. DS (ft)	481.42	Culv Exit Loss (ft)	0.80
Delta EG (ft)	1.20	Culv Entr Loss (ft)	0.20

```
* Delta WS (ft)          *    1.20  * Q Weir (cfs)          *          *
* E.G. IC (ft)           *  482.44  * Weir Sta Lft (ft)     *          *
* E.G. OC (ft)           *  482.80  * Weir Sta Rgt (ft)     *          *
* Culvert Control        *  Outlet  * Weir Submerg          *          *
* Culv WS Inlet (ft)     *  481.41  * Weir Max Depth (ft)   *          *
* Culv WS Outlet (ft)    *  480.23  * Weir Avg Depth (ft)   *          *
* Culv Nml Depth (ft)    *          * Weir Flow Area (sq ft) *         *
* Culv Crt Depth (ft)    *    2.43  * Min El Weir Flow (ft) *   484.01 *
************************************************************************
```

```
CULVERT OUTPUT  Profile #25-year flow  Culv Group:  Culvert #1
************************************************************************
* Q Culv Group (cfs)     *   75.68  * Culv Full Len (ft)    *    33.00 *
* # Barrels              *       1  * Culv Vel US (ft/s)    *    10.71 *
* Q Barrel (cfs)         *   75.68  * Culv Vel DS (ft/s)    *    10.71 *
* E.G. US. (ft)          *  484.14  * Culv Inv El Up (ft)   *   478.41 *
* W.S. US. (ft)          *  483.99  * Culv Inv El Dn (ft)   *   477.23 *
* E.G. DS (ft)           *  481.95  * Culv Frctn Ls (ft)    *     0.37 *
* W.S. DS (ft)           *  481.64  * Culv Exit Loss (ft)   *     1.47 *
* Delta EG (ft)          *    2.19  * Culv Entr Loss (ft)   *     0.36 *
* Delta WS (ft)          *    2.35  * Q Weir (cfs)          *     3.48 *
* E.G. IC (ft)           *  484.06  * Weir Sta Lft (ft)     *    54.17 *
* E.G. OC (ft)           *  484.14  * Weir Sta Rgt (ft)     *    79.59 *
* Culvert Control        *  Outlet  * Weir Submerg          *     0.00 *
* Culv WS Inlet (ft)     *  481.41  * Weir Max Depth (ft)   *     0.14 *
* Culv WS Outlet (ft)    *  480.23  * Weir Avg Depth (ft)   *     0.14 *
* Culv Nml Depth (ft)    *          * Weir Flow Area (sq ft) *    3.57 *
* Culv Crt Depth (ft)    *    2.73  * Min El Weir Flow (ft) *   484.01 *
************************************************************************
```

```
CULVERT OUTPUT  Profile #50-year flow  Culv Group:  Culvert #1
************************************************************************
* Q Culv Group (cfs)     *   81.40  * Culv Full Len (ft)    *    33.00 *
* # Barrels              *       1  * Culv Vel US (ft/s)    *    11.52 *
* Q Barrel (cfs)         *   81.40  * Culv Vel DS (ft/s)    *    11.52 *
* E.G. US. (ft)          *  484.56  * Culv Inv El Up (ft)   *   478.41 *
* W.S. US. (ft)          *  484.37  * Culv Inv El Dn (ft)   *   477.23 *
* E.G. DS (ft)           *  482.14  * Culv Frctn Ls (ft)    *     0.42 *
* W.S. DS (ft)           *  481.67  * Culv Exit Loss (ft)   *     1.59 *
* Delta EG (ft)          *    2.42  * Culv Entr Loss (ft)   *     0.41 *
* Delta WS (ft)          *    2.71  * Q Weir (cfs)          *    28.14 *
* E.G. IC (ft)           *  484.63  * Weir Sta Lft (ft)     *    53.00 *
* E.G. OC (ft)           *  484.56  * Weir Sta Rgt (ft)     *    81.41 *
* Culvert Control        *  Outlet  * Weir Submerg          *     0.00 *
* Culv WS Inlet (ft)     *  481.41  * Weir Max Depth (ft)   *     0.56 *
* Culv WS Outlet (ft)    *  480.23  * Weir Avg Depth (ft)   *     0.52 *
* Culv Nml Depth (ft)    *    1.67  * Weir Flow Area (sq ft) *   14.74 *
* Culv Crt Depth (ft)    *    2.78  * Min El Weir Flow (ft) *   484.01 *
************************************************************************
```

```
Note:   During the supercritical calculations a hydraulic jump occurred inside of the culvert.
Note:   The culvert inlet is submerged and the culvert flows full over part or all of its length.  Therefore, the culvert inlet
        equations are not valid and the supercritical result has been discarded.  The outlet answer will be used.
```

```
CULVERT OUTPUT  Profile #100-year flow  Culv Group:  Culvert #1
************************************************************************
* Q Culv Group (cfs)     *   86.35  * Culv Full Len (ft)    *    33.00 *
* # Barrels              *       1  * Culv Vel US (ft/s)    *    12.22 *
* Q Barrel (cfs)         *   86.35  * Culv Vel DS (ft/s)    *    12.22 *
* E.G. US. (ft)          *  485.02  * Culv Inv El Up (ft)   *   478.41 *
* W.S. US. (ft)          *  484.79  * Culv Inv El Dn (ft)   *   477.23 *
* E.G. DS (ft)           *  482.51  * Culv Frctn Ls (ft)    *     0.47 *
* W.S. DS (ft)           *  481.77  * Culv Exit Loss (ft)   *     1.58 *
* Delta EG (ft)          *    2.51  * Culv Entr Loss (ft)   *     0.46 *
* Delta WS (ft)          *    3.01  * Q Weir (cfs)          *    73.28 *
* E.G. IC (ft)           *  485.16  * Weir Sta Lft (ft)     *    50.55 *
* E.G. OC (ft)           *  485.02  * Weir Sta Rgt (ft)     *    84.26 *
* Culvert Control        *  Outlet  * Weir Submerg          *     0.00 *
* Culv WS Inlet (ft)     *  481.41  * Weir Max Depth (ft)   *     1.02 *
* Culv WS Outlet (ft)    *  480.23  * Weir Avg Depth (ft)   *     0.86 *
* Culv Nml Depth (ft)    *    1.73  * Weir Flow Area (sq ft) *   29.01 *
* Culv Crt Depth (ft)    *    3.00  * Min El Weir Flow (ft) *   484.01 *
************************************************************************
```

```
Note:   Culvert critical depth exceeds the height of the culvert.
Note:   During the supercritical calculations a hydraulic jump occurred inside of the culvert.
Note:   The culvert inlet is submerged and the culvert flows full over part or all of its length.  Therefore, the culvert inlet
        equations are not valid and the supercritical result has been discarded.  The outlet answer will be used.
```

```
CULVERT OUTPUT  Profile #5-year flow  Culv Group:  Culvert #2
************************************************************************
* Q Culv Group (cfs)     *   43.65  * Culv Full Len (ft)    *    32.36 *
* # Barrels              *       1  * Culv Vel US (ft/s)    *     6.18 *
* Q Barrel (cfs)         *   43.65  * Culv Vel DS (ft/s)    *     6.17 *
* E.G. US. (ft)          *  482.06  * Culv Inv El Up (ft)   *   478.36 *
* W.S. US. (ft)          *  481.88  * Culv Inv El Dn (ft)   *   477.33 *
* E.G. DS (ft)           *  481.35  * Culv Frctn Ls (ft)    *     0.12 *
* W.S. DS (ft)           *  481.22  * Culv Exit Loss (ft)   *     0.46 *
* Delta EG (ft)          *    0.71  * Culv Entr Loss (ft)   *     0.12 *
* Delta WS (ft)          *    0.66  * Q Weir (cfs)          *          *
* E.G. IC (ft)           *  481.63  * Weir Sta Lft (ft)     *          *
* E.G. OC (ft)           *  482.05  * Weir Sta Rgt (ft)     *          *
* Culvert Control        *  Outlet  * Weir Submerg          *          *
* Culv WS Inlet (ft)     *  481.34  * Weir Max Depth (ft)   *          *
* Culv WS Outlet (ft)    *  480.33  * Weir Avg Depth (ft)   *          *
* Culv Nml Depth (ft)    *    1.21  * Weir Flow Area (sq ft) *         *
* Culv Crt Depth (ft)    *    2.15  * Min El Weir Flow (ft) *   484.01 *
************************************************************************
```

```
CULVERT OUTPUT  Profile #10-year flow  Culv Group:  Culvert #2
************************************************************************
* Q Culv Group (cfs)     *   56.72  * Culv Full Len (ft)    *    33.00 *
* # Barrels              *       1  * Culv Vel US (ft/s)    *     8.02 *
* Q Barrel (cfs)         *   56.72  * Culv Vel DS (ft/s)    *     8.02 *
* E.G. US. (ft)          *  482.82  * Culv Inv El Up (ft)   *   478.36 *
* W.S. US. (ft)          *  482.63  * Culv Inv El Dn (ft)   *   477.33 *
```

```
* E.G. DS (ft)           *  481.61  * Culv Frctn Ls (ft)     *    0.19  *
* W.S. DS (ft)           *  481.42  * Culv Exit Loss (ft)    *    0.81  *
* Delta EG (ft)          *    1.20  * Culv Entr Loss (ft)    *    0.20  *
* Delta WS (ft)          *    1.20  * Q Weir (cfs)           *          *
* E.G. IC (ft)           *  482.42  * Weir Sta Lft (ft)      *          *
* E.G. OC (ft)           *  482.83  * Weir Sta Rgt (ft)      *          *
* Culvert Control        *  Outlet  * Weir Submerg           *          *
* Culv WS Inlet (ft)     *  481.36  * Weir Max Depth (ft)    *          *
* Culv WS Outlet (ft)    *  480.33  * Weir Avg Depth (ft)    *          *
* Culv Nml Depth (ft)    *          * Weir Flow Area (sq ft) *          *
* Culv Crt Depth (ft)    *    2.44  * Min El Weir Flow (ft)  *  484.01  *
*************************************************************************
```

```
CULVERT OUTPUT  Profile #25-year flow  Culv Group:  Culvert #2
*************************************************************************
* Q Culv Group (cfs)     *   75.83  * Culv Full Len (ft)     *   33.00  *
* # Barrels              *       1  * Culv Vel US (ft/s)     *   10.73  *
* Q Barrel (cfs)         *   75.83  * Culv Vel DS (ft/s)     *   10.73  *
* E.G. US. (ft)          *  484.14  * Culv Inv El Up (ft)    *  478.36  *
* W.S. US. (ft)          *  483.99  * Culv Inv El Dn (ft)    *  477.33  *
* E.G. DS (ft)           *  481.95  * Culv Frctn Ls (ft)     *    0.36  *
* W.S. DS (ft)           *  481.64  * Culv Exit Loss (ft)    *    1.47  *
* Delta EG (ft)          *    2.19  * Culv Entr Loss (ft)    *    0.36  *
* Delta WS (ft)          *    2.35  * Q Weir (cfs)           *    3.48  *
* E.G. IC (ft)           *  484.03  * Weir Sta Lft (ft)      *   54.17  *
* E.G. OC (ft)           *  484.15  * Weir Sta Rgt (ft)      *   79.59  *
* Culvert Control        *  Outlet  * Weir Submerg           *    0.00  *
* Culv WS Inlet (ft)     *  481.36  * Weir Max Depth (ft)    *    0.14  *
* Culv WS Outlet (ft)    *  480.33  * Weir Avg Depth (ft)    *    0.14  *
* Culv Nml Depth (ft)    *          * Weir Flow Area (sq ft) *    3.57  *
* Culv Crt Depth (ft)    *    2.73  * Min El Weir Flow (ft)  *  484.01  *
*************************************************************************
```

```
CULVERT OUTPUT  Profile #50-year flow  Culv Group:  Culvert #2
*************************************************************************
* Q Culv Group (cfs)     *   81.46  * Culv Full Len (ft)     *   33.00  *
* # Barrels              *       1  * Culv Vel US (ft/s)     *   11.52  *
* Q Barrel (cfs)         *   81.46  * Culv Vel DS (ft/s)     *   11.52  *
* E.G. US. (ft)          *  484.56  * Culv Inv El Up (ft)    *  478.36  *
* W.S. US. (ft)          *  484.37  * Culv Inv El Dn (ft)    *  477.33  *
* E.G. DS (ft)           *  482.14  * Culv Frctn Ls (ft)     *    0.42  *
* W.S. DS (ft)           *  481.67  * Culv Exit Loss (ft)    *    1.59  *
* Delta EG (ft)          *    2.42  * Culv Entr Loss (ft)    *    0.41  *
* Delta WS (ft)          *    2.71  * Q Weir (cfs)           *   28.14  *
* E.G. IC (ft)           *  484.59  * Weir Sta Lft (ft)      *   53.00  *
* E.G. OC (ft)           *  484.56  * Weir Sta Rgt (ft)      *   81.41  *
* Culvert Control        *  Outlet  * Weir Submerg           *    0.00  *
* Culv WS Inlet (ft)     *  481.36  * Weir Max Depth (ft)    *    0.56  *
* Culv WS Outlet (ft)    *  480.33  * Weir Avg Depth (ft)    *    0.52  *
* Culv Nml Depth (ft)    *    1.74  * Weir Flow Area (sq ft) *   14.74  *
* Culv Crt Depth (ft)    *    2.78  * Min El Weir Flow (ft)  *  484.01  *
*************************************************************************
```

Note: During the supercritical calculations a hydraulic jump occurred inside of the culvert.
Note: The culvert inlet is submerged and the culvert flows full over part or all of its length. Therefore, the culvert inlet equations are not valid and the supercritical result has been discarded. The outlet answer will be used.

```
CULVERT OUTPUT  Profile #100-year flow  Culv Group:  Culvert #2
*************************************************************************
* Q Culv Group (cfs)     *   86.36  * Culv Full Len (ft)     *   33.00  *
* # Barrels              *       1  * Culv Vel US (ft/s)     *   12.22  *
* Q Barrel (cfs)         *   86.36  * Culv Vel DS (ft/s)     *   12.22  *
* E.G. US. (ft)          *  485.02  * Culv Inv El Up (ft)    *  478.36  *
* W.S. US. (ft)          *  484.79  * Culv Inv El Dn (ft)    *  477.33  *
* E.G. DS (ft)           *  482.51  * Culv Frctn Ls (ft)     *    0.47  *
* W.S. DS (ft)           *  481.77  * Culv Exit Loss (ft)    *    1.58  *
* Delta EG (ft)          *    2.51  * Culv Entr Loss (ft)    *    0.46  *
* Delta WS (ft)          *    3.01  * Q Weir (cfs)           *   73.28  *
* E.G. IC (ft)           *  485.12  * Weir Sta Lft (ft)      *   50.55  *
* E.G. OC (ft)           *  485.02  * Weir Sta Rgt (ft)      *   84.26  *
* Culvert Control        *  Outlet  * Weir Submerg           *    0.00  *
* Culv WS Inlet (ft)     *  481.36  * Weir Max Depth (ft)    *    1.02  *
* Culv WS Outlet (ft)    *  480.33  * Weir Avg Depth (ft)    *    0.86  *
* Culv Nml Depth (ft)    *    1.81  * Weir Flow Area (sq ft) *   29.01  *
* Culv Crt Depth (ft)    *    3.00  * Min El Weir Flow (ft)  *  484.01  *
*************************************************************************
```

Note: Culvert critical depth exceeds the height of the culvert.
Note: During the supercritical calculations a hydraulic jump occurred inside of the culvert.
Note: The culvert inlet is submerged and the culvert flows full over part or all of its length. Therefore, the culvert inlet equations are not valid and the supercritical result has been discarded. The outlet answer will be used.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach   RS: 70.8049

INPUT
Description: Downstream section from Columbia Trail

```
Station Elevation Data     num=       24
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
*******************************************************************************************
       0   483.44     4.73   483.36     9.45   483.14    14.18   482.92     18.9   482.64
   23.63   482.49    28.35   482.41    33.08   482.32     37.8   482.23    42.53   482.04
   47.25   481.69    51.98   481.33    52.35  480.309    53.44    477.3     56.7    477.2
    59.9    477.4     61.1  480.765    61.43   481.69    66.15   482.53    70.25   482.97
   74.36      483    78.46   483.08    82.56   483.16    86.66    482.9

Manning's n Values         num=        3
     Sta    n Val      Sta    n Val      Sta    n Val
*****************************************************
       0      .08    52.35     .035     61.1      .08

Bank Sta: Left    Right     Lengths: Left Channel   Right      Coeff Contr.   Expan.
        52.35     61.1               14.73   14.33   13.59               .3       .5
```

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	52.07	481.96	F
61.39	86.66	481.96	F

CROSS SECTION OUTPUT Profile #5-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	481.35	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.13	Reach Len. (ft)	14.73	14.33	13.59
W.S. Elev (ft)	481.22	Flow Area (sq ft)	0.15	30.70	0.04
Crit W.S. (ft)	479.01	Area (sq ft)	0.15	30.70	0.04
E.G. Slope (ft/ft)	0.001484	Flow (cfs)	0.03	87.96	0.00
Q Total (cfs)	88.00	Top Width (ft)	0.33	8.75	0.16
Top Width (ft)	9.24	Avg. Vel. (ft/s)	0.23	2.87	0.13
Vel Total (ft/s)	2.85	Hydr. Depth (ft)	0.53	3.51	0.23
Max Chl Dpth (ft)	4.02	Conv. (cfs)	0.9	2283.3	0.1
Conv. Total (cfs)	2284.3	Wetted Per. (ft)	0.82	13.24	0.49
Length Wtd. (ft)	14.30	Shear (lb/sq ft)	0.02	0.21	0.01
Min Ch El (ft)	477.20	Stream Power (lb/ft s)	86.66	0.00	0.00
Alpha	1.01	Cum Volume (acre-ft)	0.01	0.02	0.01
Frctn Loss (ft)	0.05	Cum SA (acres)	0.01	0.01	0.01
C & E Loss (ft)	0.13				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #10-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	481.61	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.19	Reach Len. (ft)	14.73	14.33	13.59
W.S. Elev (ft)	481.42	Flow Area (sq ft)	0.20	32.46	0.08
Crit W.S. (ft)	479.32	Area (sq ft)	0.28	32.46	0.08
E.G. Slope (ft/ft)	0.002030	Flow (cfs)	0.07	112.92	0.01
Q Total (cfs)	113.00	Top Width (ft)	1.60	8.75	0.23
Top Width (ft)	10.58	Avg. Vel. (ft/s)	0.33	3.48	0.19
Vel Total (ft/s)	3.45	Hydr. Depth (ft)	0.73	3.71	0.33
Max Chl Dpth (ft)	4.22	Conv. (cfs)	1.5	2506.1	0.3
Conv. Total (cfs)	2507.9	Wetted Per. (ft)	0.82	13.24	0.70
Length Wtd. (ft)	14.29	Shear (lb/sq ft)	0.03	0.31	0.01
Min Ch El (ft)	477.20	Stream Power (lb/ft s)	86.66	0.00	0.00
Alpha	1.02	Cum Volume (acre-ft)	0.01	0.02	0.01
Frctn Loss (ft)	0.06	Cum SA (acres)	0.02	0.01	0.02
C & E Loss (ft)	0.11				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #25-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	481.95	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.32	Reach Len. (ft)	14.73	14.33	13.59
W.S. Elev (ft)	481.64	Flow Area (sq ft)	0.26	34.36	0.14
Crit W.S. (ft)	479.78	Area (sq ft)	0.93	34.36	0.14
E.G. Slope (ft/ft)	0.003160	Flow (cfs)	0.13	154.83	0.04
Q Total (cfs)	155.00	Top Width (ft)	4.44	8.75	0.31
Top Width (ft)	13.50	Avg. Vel. (ft/s)	0.49	4.51	0.30
Vel Total (ft/s)	4.46	Hydr. Depth (ft)	0.94	3.93	0.47
Max Chl Dpth (ft)	4.44	Conv. (cfs)	2.3	2754.3	0.7
Conv. Total (cfs)	2757.3	Wetted Per. (ft)	0.82	13.24	0.86
Length Wtd. (ft)	14.29	Shear (lb/sq ft)	0.06	0.51	0.03
Min Ch El (ft)	477.20	Stream Power (lb/ft s)	86.66	0.00	0.00
Alpha	1.02	Cum Volume (acre-ft)	0.02	0.03	0.02
Frctn Loss (ft)	0.08	Cum SA (acres)	0.03	0.01	0.02
C & E Loss (ft)	0.08				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	482.14	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.47	Reach Len. (ft)	14.73	14.33	13.59
W.S. Elev (ft)	481.67	Flow Area (sq ft)	0.27	34.59	0.14
Crit W.S. (ft)	480.13	Area (sq ft)	1.06	34.59	0.15
E.G. Slope (ft/ft)	0.004690	Flow (cfs)	0.17	190.78	0.06
Q Total (cfs)	191.00	Top Width (ft)	4.79	8.75	0.32
Top Width (ft)	13.87	Avg. Vel. (ft/s)	0.61	5.51	0.38
Vel Total (ft/s)	5.46	Hydr. Depth (ft)	0.97	3.95	0.50
Max Chl Dpth (ft)	4.47	Conv. (cfs)	2.4	2785.9	0.8
Conv. Total (cfs)	2789.1	Wetted Per. (ft)	0.82	13.24	0.86
Length Wtd. (ft)	14.29	Shear (lb/sq ft)	0.10	0.76	0.05
Min Ch El (ft)	477.20	Stream Power (lb/ft s)	86.66	0.00	0.00
Alpha	1.02	Cum Volume (acre-ft)	0.03	0.03	0.03
Frctn Loss (ft)	0.09	Cum SA (acres)	0.05	0.01	0.03
C & E Loss (ft)	0.03				

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	482.51	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.74	Reach Len. (ft)	14.73	14.33	13.59
W.S. Elev (ft)	481.77	Flow Area (sq ft)	0.30	35.51	0.17
Crit W.S. (ft)	480.62	Area (sq ft)	1.63	35.51	0.20
E.G. Slope (ft/ft)	0.007127	Flow (cfs)	0.24	245.66	0.09
Q Total (cfs)	246.00	Top Width (ft)	6.20	8.75	0.79
Top Width (ft)	15.74				

```
                                                                    CalifonFloodplainSt
* Vel Total (ft/s)        *     6.84  * Avg. Vel. (ft/s)       *     0.80  *     6.92  *     0.54  *
* Max Chl Dpth (ft)       *     4.57  * Hydr. Depth (ft)       *     1.08  *     4.06  *     0.60  *
* Conv. Total (cfs)       *   2913.9  * Conv. (cfs)            *      2.9  *   2909.9  *      1.1  *
* Length Wtd. (ft)        *    14.29  * Wetted Per. (ft)       *     0.82  *    13.24  *     0.86  *
* Min Ch El (ft)          *   477.20  * Shear (lb/sq ft)       *     0.16  *     1.19  *     0.09  *
* Alpha                   *     1.02  * Stream Power (lb/ft s) *    86.66  *     0.00  *     0.00  *
* Frctn Loss (ft)         *     0.12  * Cum Volume (acre-ft)   *     0.05  *     0.03  *     0.03  *
* C & E Loss (ft)         *     0.17  * Cum SA (acres)         *     0.05  *     0.01  *     0.03  *
****************************************************************************************************
```

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water surface was used.

CROSS SECTION

```
RIVER: Unnamed_Trib
REACH: Downstream_Reach     RS: 56.47157

INPUT
Description:
Station Elevation Data      num=        21
     Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev      Sta     Elev
******************************************************************************************
       0   481.79     4.87   481.53     9.75   481.49    14.62   481.37    19.49   481.28
   24.37   481.12    29.24   481.05    34.12   480.72    38.99   480.58    43.86   480.36
   48.74   479.97       50    478.5    53.54      477    53.61   479.81    58.48   479.97
   58.56   479.98    63.36   480.35    68.23   480.97     73.1   481.32    77.98   481.41
   82.85      481

Manning's n Values          num=         3
     Sta    n Val      Sta    n Val      Sta    n Val
******************************************************
       0      .08    48.74     .035    53.61      .08

Bank Sta: Left    Right    Lengths: Left Channel    Right       Coeff Contr.     Expan.
          48.74   53.61              37.32   37.31   38.27                .1         .3
```

```
CROSS SECTION OUTPUT  Profile #5-year flow
****************************************************************************************************
* E.G. Elev (ft)          *   481.17  * Element                *  Left OB  *  Channel  * Right OB  *
* Vel Head (ft)           *     0.56  * Wt. n-Val.             *    0.080  *    0.035  *    0.080  *
* W.S. Elev (ft)          *   480.61  * Reach Len. (ft)        *    37.32  *    37.31  *    38.27  *
* Crit W.S. (ft)          *   480.61  * Flow Area (sq ft)      *     2.82  *    11.99  *     5.90  *
* E.G. Slope (ft/ft)      *0.014680  * Area (sq ft)           *     2.82  *    11.99  *     5.90  *
* Q Total (cfs)           *    88.00  * Flow (cfs)             *     2.62  *    77.01  *     8.38  *
* Top Width (ft)          *    27.26  * Top Width (ft)         *    10.63  *     4.87  *    11.76  *
* Vel Total (ft/s)        *     4.25  * Avg. Vel. (ft/s)       *     0.93  *     6.42  *     1.42  *
* Max Chl Dpth (ft)       *     3.61  * Hydr. Depth (ft)       *     0.27  *     2.46  *     0.50  *
* Conv. Total (cfs)       *    726.3  * Conv. (cfs)            *     21.6  *    635.6  *     69.2  *
* Length Wtd. (ft)        *    37.37  * Wetted Per. (ft)       *    10.65  *     8.59  *    11.79  *
* Min Ch El (ft)          *   477.00  * Shear (lb/sq ft)       *     0.24  *     1.28  *     0.46  *
* Alpha                   *     2.01  * Stream Power (lb/ft s) *    82.85  *     0.00  *     0.00  *
* Frctn Loss (ft)         *     0.20  * Cum Volume (acre-ft)   *     0.01  *     0.01  *     0.00  *
* C & E Loss (ft)         *     0.12  * Cum SA (acres)         *     0.01  *     0.01  *     0.01  *
****************************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #10-year flow
****************************************************************************************************
* E.G. Elev (ft)          *   481.44  * Element                *  Left OB  *  Channel  * Right OB  *
* Vel Head (ft)           *     0.57  * Wt. n-Val.             *    0.080  *    0.035  *    0.080  *
* W.S. Elev (ft)          *   480.87  * Reach Len. (ft)        *    37.32  *    37.31  *    38.27  *
* Crit W.S. (ft)          *   480.87  * Flow Area (sq ft)      *     6.62  *    13.27  *     9.28  *
* E.G. Slope (ft/ft)      *0.014123  * Area (sq ft)           *     6.62  *    13.27  *     9.28  *
* Q Total (cfs)           *   113.00  * Flow (cfs)             *     7.83  *    89.51  *    15.67  *
* Top Width (ft)          *    35.53  * Top Width (ft)         *    16.83  *     4.87  *    13.83  *
* Vel Total (ft/s)        *     3.87  * Avg. Vel. (ft/s)       *     1.18  *     6.74  *     1.69  *
* Max Chl Dpth (ft)       *     3.87  * Hydr. Depth (ft)       *     0.39  *     2.73  *     0.67  *
* Conv. Total (cfs)       *    950.9  * Conv. (cfs)            *     65.9  *    753.2  *    131.8  *
* Length Wtd. (ft)        *    37.40  * Wetted Per. (ft)       *    16.86  *     8.59  *    13.88  *
* Min Ch El (ft)          *   477.00  * Shear (lb/sq ft)       *     0.35  *     1.36  *     0.59  *
* Alpha                   *     2.43  * Stream Power (lb/ft s) *    82.85  *     0.00  *     0.00  *
* Frctn Loss (ft)         *     0.20  * Cum Volume (acre-ft)   *     0.01  *     0.02  *     0.01  *
* C & E Loss (ft)         *     0.12  * Cum SA (acres)         *     0.02  *     0.01  *     0.01  *
****************************************************************************************************
```

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

```
CROSS SECTION OUTPUT  Profile #25-year flow
****************************************************************************************************
* E.G. Elev (ft)          *   481.79  * Element                *  Left OB  *  Channel  * Right OB  *
* Vel Head (ft)           *     0.59  * Wt. n-Val.             *    0.080  *    0.035  *    0.080  *
* W.S. Elev (ft)          *   481.20  * Reach Len. (ft)        *    37.32  *    37.31  *    38.27  *
* Crit W.S. (ft)          *   481.20  * Flow Area (sq ft)      *    13.53  *    14.89  *    14.72  *
* E.G. Slope (ft/ft)      *0.014089  * Area (sq ft)           *    13.53  *    14.89  *    14.72  *
* Q Total (cfs)           *   155.00  * Flow (cfs)             *    18.87  *   108.32  *    27.81  *
* Top Width (ft)          *    51.99  * Top Width (ft)         *    26.87  *     4.87  *    20.25  *
* Vel Total (ft/s)        *     3.59  * Avg. Vel. (ft/s)       *     1.39  *     7.27  *     1.89  *
* Max Chl Dpth (ft)       *     4.20  * Hydr. Depth (ft)       *     0.50  *     3.06  *     0.73  *
* Conv. Total (cfs)       *   1305.9  * Conv. (cfs)            *    159.0  *    912.5  *    234.3  *
* Length Wtd. (ft)        *    37.44  * Wetted Per. (ft)       *    26.91  *     8.59  *    20.52  *
* Min Ch El (ft)          *   477.00  * Shear (lb/sq ft)       *     0.44  *     1.52  *     0.63  *
* Alpha                   *     2.93  * Stream Power (lb/ft s) *    82.85  *     0.00  *     0.00  *
```

Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	0.02	0.02	0.01
C & E Loss (ft)	0.12	Cum SA (acres)	0.03	0.01	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: Divided flow computed for this cross-section.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #50-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	482.02	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.42	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	481.60	Reach Len. (ft)	37.32	37.31	38.27
Crit W.S. (ft)	481.60	Flow Area (sq ft)	27.64	16.82	25.15
E.G. Slope (ft/ft)	0.010065	Area (sq ft)	27.64	16.82	25.15
Q Total (cfs)	191.00	Flow (cfs)	37.12	112.14	41.74
Top Width (ft)	79.25	Top Width (ft)	45.14	4.87	29.24
Vel Total (ft/s)	2.74	Avg. Vel. (ft/s)	1.34	6.67	1.66
Max Chl Dpth (ft)	4.60	Hydr. Depth (ft)	0.61	3.45	0.86
Conv. Total (cfs)	1903.8	Conv. (cfs)	370.0	1117.8	416.0
Length Wtd. (ft)	37.47	Wetted Per. (ft)	45.18	8.59	29.93
Min Ch El (ft)	477.00	Shear (lb/sq ft)	0.38	1.23	0.53
Alpha	3.59	Stream Power (lb/ft s)	82.85	0.00	0.00
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)	0.03	0.02	0.02
C & E Loss (ft)	0.06	Cum SA (acres)	0.04	0.01	0.02

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.

CROSS SECTION OUTPUT Profile #100-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	482.23	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.41	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	481.82	Reach Len. (ft)	37.32	37.31	38.27
Crit W.S. (ft)	481.82	Flow Area (sq ft)	38.06	17.90	31.60
E.G. Slope (ft/ft)	0.010132	Area (sq ft)	38.06	17.90	31.60
Q Total (cfs)	246.00	Flow (cfs)	60.27	124.75	60.98
Top Width (ft)	82.85	Top Width (ft)	48.74	4.87	29.24
Vel Total (ft/s)	2.81	Avg. Vel. (ft/s)	1.58	6.97	1.93
Max Chl Dpth (ft)	4.82	Hydr. Depth (ft)	0.78	3.68	1.08
Conv. Total (cfs)	2443.9	Conv. (cfs)	598.7	1239.4	605.8
Length Wtd. (ft)	37.49	Wetted Per. (ft)	48.81	8.59	30.15
Min Ch El (ft)	477.00	Shear (lb/sq ft)	0.49	1.32	0.66
Alpha	3.32	Stream Power (lb/ft s)	82.85	0.00	0.00
Frctn Loss (ft)	0.18	Cum Volume (acre-ft)	0.04	0.02	0.03
C & E Loss (ft)	0.06	Cum SA (acres)	0.04	0.01	0.03

Warning: The energy equation could not be balanced within the specified number of iterations. The program used critical depth for the water surface and continued on with the calculations.
Warning: The cross-section end points had to be extended vertically for the computed water surface.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.
Warning: The cross section had to be extended vertically during the critical depth calculations.
Warning: During the standard step iterations, when the assumed water surface was set equal to critical depth, the calculated water surface came back below critical depth. This indicates that there is not a valid subcritical answer. The program defaulted to critical depth.
Warning: The parabolic search method failed to converge on critical depth. The program will try the cross section slice/secant method to find critical depth.

CROSS SECTION

RIVER: Unnamed_Trib
REACH: Downstream_Reach RS: 19.15813

INPUT
Description:
Station Elevation Data num= 25

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	481.11	4.87	481.14	9.74	481.03	14.62	481.13	19.49	481.29
24.36	480.9	29.23	480.77	34.11	480.59	38.98	480.05	43.85	479.6
48.72	479.44	48.95	479.44	53.36	479.42	53.59	479.42	56	478
58.47	476.9	63.34	479.57	68.21	479.8	73.08	480.23	77.41	480.51
81.74	480.66	86.06	480.93	90.39	481.38	94.72	481.49	99.04	481.5

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.08	53.36	.035	63.34	.08

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
53.36	63.34	15.03	19.16	12.03	.1	.3

CROSS SECTION OUTPUT Profile #5-year flow

			Left OB	Channel	Right OB
E.G. Elev (ft)	480.55	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.16	Wt. n-Val.	0.080	0.035	0.080
W.S. Elev (ft)	480.39	Reach Len. (ft)			
Crit W.S. (ft)	479.58	Flow Area (sq ft)	11.94	22.02	5.44
E.G. Slope (ft/ft)	0.002710	Area (sq ft)	11.94	22.02	5.44
Q Total (cfs)	88.00	Flow (cfs)	8.96	75.98	3.07

			CalifonFloodplainSt		
Top Width (ft)	39.61	Top Width (ft)	17.43	9.98	12.19
Vel Total (ft/s)	2.23	Avg. Vel. (ft/s)	0.75	3.45	0.56
Max Chl Dpth (ft)	3.49	Hydr. Depth (ft)	0.68	2.21	0.45
Conv. Total (cfs)	1690.3	Conv. (cfs)	172.0	1459.3	58.9
Length Wtd. (ft)		Wetted Per. (ft)	17.48	11.29	12.22
Min Ch El (ft)	476.90	Shear (lb/sq ft)	0.12	0.33	0.08
Alpha	2.07	Stream Power (lb/ft s)	99.04	0.00	0.00
Frctn Loss (ft)		Cum Volume (acre-ft)			
C & E Loss (ft)		Cum SA (acres)			

CROSS SECTION OUTPUT Profile #10-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	480.85	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.18	Reach Len. (ft)			
W.S. Elev (ft)	480.67	Flow Area (sq ft)	17.20	24.80	9.61
Crit W.S. (ft)	479.88	Area (sq ft)	17.20	24.80	9.61
E.G. Slope (ft/ft)	0.002710	Flow (cfs)	14.38	92.63	5.99
Q Total (cfs)	113.00	Top Width (ft)	21.35	9.98	18.52
Top Width (ft)	49.85	Avg. Vel. (ft/s)	0.84	3.74	0.62
Vel Total (ft/s)	2.19	Hydr. Depth (ft)	0.81	2.48	0.52
Max Chl Dpth (ft)	3.77	Conv. (cfs)	276.2	1779.3	115.0
Conv. Total (cfs)	2170.6	Wetted Per. (ft)	21.40	11.29	18.55
Length Wtd. (ft)		Shear (lb/sq ft)	0.14	0.37	0.09
Min Ch El (ft)	476.90	Stream Power (lb/ft s)	99.04	0.00	0.00
Alpha	2.41	Cum Volume (acre-ft)			
Frctn Loss (ft)		Cum SA (acres)			
C & E Loss (ft)					

CROSS SECTION OUTPUT Profile #25-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	481.24	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.20	Reach Len. (ft)			
W.S. Elev (ft)	481.04	Flow Area (sq ft)	27.15	28.51	17.56
Crit W.S. (ft)	480.23	Area (sq ft)	27.15	28.51	17.56
E.G. Slope (ft/ft)	0.002715	Flow (cfs)	24.15	116.98	13.87
Q Total (cfs)	155.00	Top Width (ft)	31.61	9.98	23.77
Top Width (ft)	65.36	Avg. Vel. (ft/s)	0.89	4.10	0.79
Vel Total (ft/s)	2.12	Hydr. Depth (ft)	0.86	2.86	0.74
Max Chl Dpth (ft)	4.14	Conv. (cfs)	463.6	2245.0	266.2
Conv. Total (cfs)	2974.8	Wetted Per. (ft)	31.67	11.29	23.82
Length Wtd. (ft)		Shear (lb/sq ft)	0.15	0.43	0.12
Min Ch El (ft)	476.90	Stream Power (lb/ft s)	99.04	0.00	0.00
Alpha	2.88	Cum Volume (acre-ft)			
Frctn Loss (ft)		Cum SA (acres)			
C & E Loss (ft)					

Warning: Divided flow computed for this cross-section.

CROSS SECTION OUTPUT Profile #50-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	481.49	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.21	Reach Len. (ft)			
W.S. Elev (ft)	481.28	Flow Area (sq ft)	38.12	30.95	23.66
Crit W.S. (ft)	480.46	Area (sq ft)	38.12	30.95	23.66
E.G. Slope (ft/ft)	0.002713	Flow (cfs)	35.54	134.07	21.39
Q Total (cfs)	191.00	Top Width (ft)	53.08	9.98	26.12
Top Width (ft)	89.19	Avg. Vel. (ft/s)	0.93	4.33	0.90
Vel Total (ft/s)	2.06	Hydr. Depth (ft)	0.72	3.10	0.91
Max Chl Dpth (ft)	4.38	Conv. (cfs)	682.4	2574.0	410.6
Conv. Total (cfs)	3667.1	Wetted Per. (ft)	53.34	11.29	26.19
Length Wtd. (ft)		Shear (lb/sq ft)	0.12	0.46	0.15
Min Ch El (ft)	476.90	Stream Power (lb/ft s)	99.04	0.00	0.00
Alpha	3.16	Cum Volume (acre-ft)			
Frctn Loss (ft)		Cum SA (acres)			
C & E Loss (ft)					

Warning: Divided flow computed for this cross-section.

CROSS SECTION OUTPUT Profile #100-year flow

		Element	Left OB	Channel	Right OB
E.G. Elev (ft)	481.84	Wt. n-Val.	0.080	0.035	0.080
Vel Head (ft)	0.22	Reach Len. (ft)			
W.S. Elev (ft)	481.62	Flow Area (sq ft)	55.92	34.28	33.95
Crit W.S. (ft)	480.74	Area (sq ft)	55.92	34.28	33.95
E.G. Slope (ft/ft)	0.002712	Flow (cfs)	55.41	158.94	31.65
Q Total (cfs)	246.00	Top Width (ft)	53.36	9.98	35.70
Top Width (ft)	99.04	Avg. Vel. (ft/s)	0.99	4.64	0.93
Vel Total (ft/s)	1.98	Hydr. Depth (ft)	1.05	3.43	0.95
Max Chl Dpth (ft)	4.72	Conv. (cfs)	1063.9	3051.8	607.7
Conv. Total (cfs)	4723.4	Wetted Per. (ft)	53.95	11.29	35.89
Length Wtd. (ft)		Shear (lb/sq ft)	0.18	0.51	0.16
Min Ch El (ft)	476.90	Stream Power (lb/ft s)	99.04	0.00	0.00
Alpha	3.62	Cum Volume (acre-ft)			
Frctn Loss (ft)		Cum SA (acres)			
C & E Loss (ft)					

SUMMARY OF MANNING'S N VALUES

River:Unnamed_Trib

Reach	River Sta.	n1	n2	n3
East_Reach	1292.07	.08	.035	.08
East_Reach	1238.105	.08	.035	.08
East_Reach	1109.812	.08	.035	.08
East_Reach	998.8233	.08	.035	.08
East_Reach	895.5209	.08	.035	.08
East_Reach	797.1697	.08	.035	.08
East_Reach	704.597	.08	.035	.08

CalifonFloodplainSt

East_Reach	599.0162	.08	.035	.08
East_Reach	501.542	.08	.035	.08
East_Reach	413.4141	.08	.035	.08
East_Reach	296.9181	.08	.035	.08
East_Reach	168.1203	.08	.035	.08
West_Reach	2088.37	.08	.035	.08
West_Reach	1957.225	.08	.035	.08
West_Reach	1815.076	.08	.035	.08
West_Reach	1658.443	.08	.035	.08
West_Reach	1498.833	.08	.035	.08
West_Reach	1396.434	.08	.035	.08
West_Reach	1332.697	.08	.035	.08
West_Reach	1318.95	Culvert		
West_Reach	1305.207	.08	.035	.08
West_Reach	1293.297	.08	.035	.08
West_Reach	1271.9	Culvert		
West_Reach	1250.517	.08	.035	.08
West_Reach	1165.394	.08	.035	.08
West_Reach	1089.717	.08	.035	.08
West_Reach	872.5471	.08	.035	.08
West_Reach	685.446	.08	.035	.08
West_Reach	523.4422	.08	.035	.08
West_Reach	369.1193	.08	.035	.08
West_Reach	232.1771	.08	.035	.08
West_Reach	110.1391	.08	.035	.08
Downstream_Reach	508.2322	.08	.035	.08
Downstream_Reach	493.9474	.08	.035	.08
Downstream_Reach	477.6732	.08	.035	.08
Downstream_Reach	428.4629	.08	.035	.08
Downstream_Reach	389.8977	.08	.035	.08
Downstream_Reach	287.04	Culvert		
Downstream_Reach	184.1871	.08	.035	.08
Downstream_Reach	164.443	.08	.035	.08
Downstream_Reach	135.2617	.08	.035	.08
Downstream_Reach	134.7241	.08	.035	.08
Downstream_Reach	116.8404	.08	.035	.08
Downstream_Reach	107.6303	.08	.035	.08
Downstream_Reach	89.2	Culvert		
Downstream_Reach	70.8049	.08	.035	.08
Downstream_Reach	56.47157	.08	.035	.08
Downstream_Reach	19.15813	.08	.035	.08

SUMMARY OF REACH LENGTHS

River: Unnamed_Trib

Reach	River Sta.	Left	Channel	Right
East_Reach	1292.07	62.53	53.97	43.69
East_Reach	1238.105	127.59	128.29	125.21
East_Reach	1109.812	112.3	110.99	110.93
East_Reach	998.8233	106.16	103.3	106.29
East_Reach	895.5209	101.5	98.35	98.55
East_Reach	797.1697	88.84	92.57	96.42
East_Reach	704.597	106.51	105.58	104.43
East_Reach	599.0162	96.22	97.47	91.93
East_Reach	501.542	87.71	88.13	91.91
East_Reach	413.4141	122.18	116.5	106.66
East_Reach	296.9181	100.47	128.8	133.29
East_Reach	168.1203	69.55	168.12	65.04
West_Reach	2088.37	124.04	131.14	134.32
West_Reach	1957.225	112.25	142.15	161.69
West_Reach	1815.076	128.86	156.63	148.33
West_Reach	1658.443	166.53	159.61	159.37
West_Reach	1498.833	106.67	102.4	91.15
West_Reach	1396.434	44.71	63.74	73.16
West_Reach	1332.697	32.12	27.49	13.18
West_Reach	1318.95	Culvert		
West_Reach	1305.207	28.34	11.91	12.11
West_Reach	1293.297	51.56	42.78	26.92
West_Reach	1271.9	Culvert		
West_Reach	1250.517	85.08	85.12	91.69
West_Reach	1165.394	74.72	75.68	65.45
West_Reach	1089.717	139.15	217.17	205.01
West_Reach	872.5471	173.53	187.1	150.89
West_Reach	685.446	142.56	162	152.69
West_Reach	523.4422	155.73	154.32	143.88
West_Reach	369.1193	139.15	136.94	124.26
West_Reach	232.1771	120.64	122.04	104.9
West_Reach	110.1391	49.64	99.47	45.57
Downstream_Reach	508.2322	13.07	14.27	15.75
Downstream_Reach	493.9474	16.96	16.28	16.13
Downstream_Reach	477.6732	55.19	49.11	44.92
Downstream_Reach	428.4629	49.88	38.43	29.75
Downstream_Reach	389.8977	200.68	205.91	209.36
Downstream_Reach	287.04	Culvert		
Downstream_Reach	184.1871	18.27	19.71	19.65
Downstream_Reach	164.443	27.9	29.72	31.67
Downstream_Reach	135.2617	17.12	135.26	15.26
Downstream_Reach	134.7241	8.26	17.88	26.53
Downstream_Reach	116.8404	4.92	9.21	19.08
Downstream_Reach	107.6303	32.27	36.83	37.82
Downstream_Reach	89.2	Culvert		
Downstream_Reach	70.8049	14.73	14.33	13.59
Downstream_Reach	56.47157	37.32	37.31	38.27
Downstream_Reach	19.15813	15.03	19.16	12.03

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS
River: Unnamed_Trib

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*******************************************************
*     Reach       *  River Sta.   * Contr.  * Expan.  *
*******************************************************
*East_Reach       *   1292.07 *        .1*       .3*
*East_Reach       *   1238.105*        .1*       .3*
*East_Reach       *   1109.812*        .1*       .3*
*East_Reach       *   998.8233*        .1*       .3*
*East_Reach       *   895.5209*        .1*       .3*
*East_Reach       *   797.1697*        .1*       .3*
*East_Reach       *   704.597 *        .1*       .3*
*East_Reach       *   599.0162*        .1*       .3*
*East_Reach       *   501.542 *        .1*       .3*
*East_Reach       *   413.4141*        .1*       .3*
*East_Reach       *   296.9181*        .1*       .3*
*East_Reach       *   168.1203*        .1*       .3*
*West_Reach       *   2088.37 *        .1*       .3*
*West_Reach       *   1957.225*        .1*       .3*
*West_Reach       *   1815.076*        .1*       .3*
*West_Reach       *   1658.443*        .1*       .3*
*West_Reach       *   1498.833*        .1*       .3*
*West_Reach       *   1396.434*        .3*       .5*
*West_Reach       *   1332.697*        .3*       .5*
*West_Reach       *   1318.95 *Culvert  *         *
*West_Reach       *   1305.207*        .3*       .5*
*West_Reach       *   1293.297*        .3*       .5*
*West_Reach       *   1271.9  *Culvert  *         *
*West_Reach       *   1250.517*        .3*       .5*
*West_Reach       *   1165.394*        .3*       .5*
*West_Reach       *   1089.717*        .1*       .3*
*West_Reach       *   872.5471*        .1*       .3*
*West_Reach       *   685.446 *        .1*       .3*
*West_Reach       *   523.4422*        .1*       .3*
*West_Reach       *   369.1193*        .1*       .3*
*West_Reach       *   232.1771*        .1*       .3*
*West_Reach       *   110.1391*        .1*       .3*
*Downstream_Reach*    508.2322*        .1*       .3*
*Downstream_Reach*    493.9474*        .1*       .3*
*Downstream_Reach*    477.6732*        .1*       .3*
*Downstream_Reach*    428.4629*        .3*       .5*
*Downstream_Reach*    389.8977*        .3*       .5*
*Downstream_Reach*    287.04  *Culvert  *         *
*Downstream_Reach*    184.1871*        .3*       .5*
*Downstream_Reach*    164.443 *        .1*       .3*
*Downstream_Reach*    135.2617*        .1*       .3*
*Downstream_Reach*    134.7241*        .1*       .3*
*Downstream_Reach*    116.8404*        .3*       .5*
*Downstream_Reach*    107.6303*        .3*       .5*
*Downstream_Reach*    89.2    *Culvert  *         *
*Downstream_Reach*    70.8049 *        .3*       .5*
*Downstream_Reach*    56.47157*        .1*       .3*
*Downstream_Reach*    19.15813*        .1*       .3*
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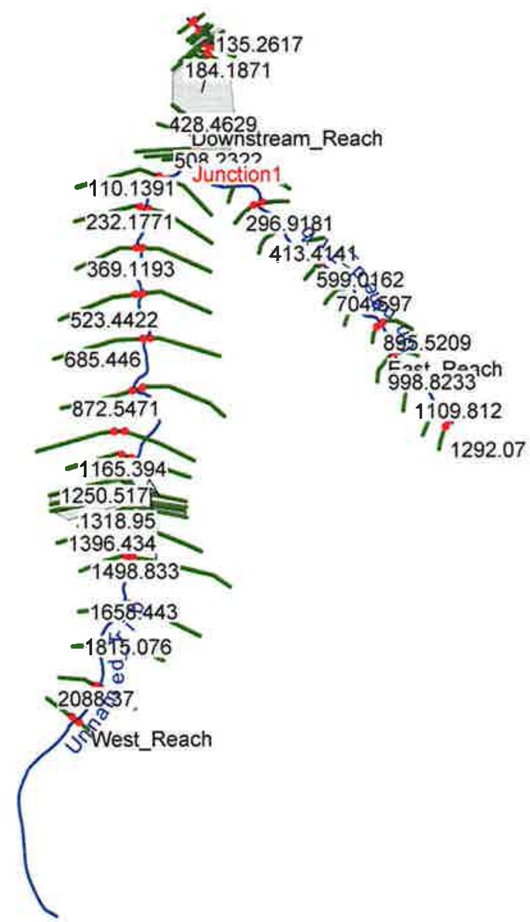
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Downstream_Reach
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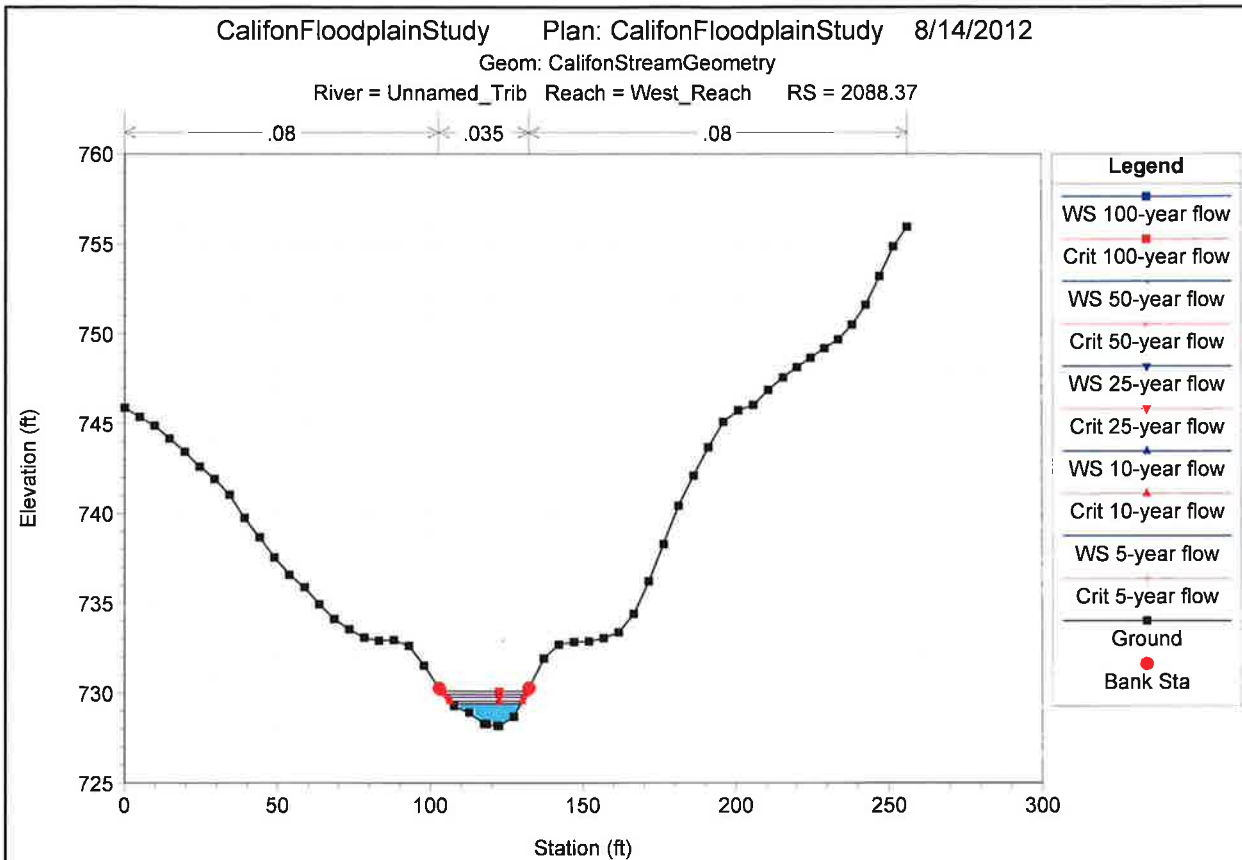
872.5471
1165.394
1250.517
1318.95
1396.434
1498.833
1658.443
1815.076
2088.37
West_Reach
296.9181
413.4141
599.0162
895.5209
East_Reach
998.8233
1109.812
1292.07

HEC-RAS Plan: Existing River: Unnamed_Trib Reach: West_Reach

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
West_Reach	2088.37	5-year flow	83.0	728.17	729.41	729.41	729.79	0.020435	4.97	16.71	22.37	1.01
West_Reach	2088.37	10-year flow	106.0	728.17	729.55	729.55	729.99	0.019553	5.29	20.02	23.52	1.01
West_Reach	2088.37	25-year flow	145.0	728.17	729.77	729.77	730.28	0.018542	5.74	25.27	25.24	1.01
West_Reach	2088.37	50-year flow	177.0	728.17	729.93	729.93	730.49	0.017927	6.03	29.35	26.51	1.01
West_Reach	2088.37	100-year flow	213.0	728.17	730.09	730.09	730.71	0.017195	6.29	33.88	27.84	1.00
West_Reach	1957.225	5-year flow	83.0	705.21	706.78	706.78	707.11	0.015890	4.77	21.89	40.98	0.91
West_Reach	1957.225	10-year flow	106.0	705.21	706.91	706.91	707.28	0.015373	5.09	27.53	44.49	0.91
West_Reach	1957.225	25-year flow	145.0	705.21	707.09	707.09	707.52	0.015123	5.64	35.49	46.21	0.93
West_Reach	1957.225	50-year flow	177.0	705.21	707.21	707.21	707.70	0.015125	6.05	41.35	47.43	0.95
West_Reach	1957.225	100-year flow	213.0	705.21	707.36	707.36	707.88	0.014497	6.36	48.30	48.84	0.94
West_Reach	1815.076	5-year flow	83.0	684.85	686.17	686.17	686.61	0.019305	5.32	15.59	135.90	1.01
West_Reach	1815.076	10-year flow	106.0	684.85	686.34	686.34	686.83	0.018298	5.63	18.85	140.46	1.00
West_Reach	1815.076	25-year flow	145.0	684.85	686.58	686.58	687.17	0.017062	6.20	23.51	148.14	1.00
West_Reach	1815.076	50-year flow	177.0	684.85	686.75	686.75	687.43	0.016170	6.61	27.19	153.34	0.99
West_Reach	1815.076	100-year flow	213.0	684.85	686.93	686.93	687.69	0.015386	7.00	31.23	157.85	0.99
West_Reach	1658.443	5-year flow	83.0	649.30	650.47	650.47	650.82	0.020726	4.73	17.56	25.65	1.01
West_Reach	1658.443	10-year flow	106.0	649.30	650.61	650.61	650.99	0.020172	4.95	21.42	29.16	1.01
West_Reach	1658.443	25-year flow	145.0	649.30	650.80	650.80	651.25	0.018642	5.35	27.43	33.47	1.00
West_Reach	1658.443	50-year flow	177.0	649.30	650.94	650.94	651.43	0.017891	5.66	32.07	36.09	1.00
West_Reach	1658.443	100-year flow	213.0	649.30	651.08	651.08	651.62	0.016945	5.92	37.44	38.61	0.99
West_Reach	1498.833	5-year flow	83.0	614.73	616.32	616.32	616.85	0.018883	5.81	14.30	13.86	1.01
West_Reach	1498.833	10-year flow	106.0	614.73	616.53	616.53	617.11	0.018086	6.11	17.36	15.08	1.00
West_Reach	1498.833	25-year flow	145.0	614.73	616.83	616.83	617.50	0.017405	6.54	22.16	16.81	1.00
West_Reach	1498.833	50-year flow	177.0	614.73	617.05	617.05	617.77	0.016969	6.83	25.90	18.05	1.01
West_Reach	1498.833	100-year flow	213.0	614.73	617.26	617.26	618.05	0.016715	7.13	29.86	19.27	1.01
West_Reach	1396.434	5-year flow	83.0	600.18	601.74	601.74	602.27	0.018814	5.85	14.19	13.54	1.01
West_Reach	1396.434	10-year flow	106.0	600.18	601.95	601.95	602.55	0.018095	6.17	17.17	14.64	1.01
West_Reach	1396.434	25-year flow	145.0	600.18	602.26	602.26	602.94	0.017305	6.62	21.91	16.25	1.00
West_Reach	1396.434	50-year flow	177.0	600.18	602.48	602.48	603.22	0.016973	6.93	25.54	17.38	1.01
West_Reach	1396.434	100-year flow	213.0	600.18	602.70	602.70	603.51	0.016604	7.22	29.51	18.57	1.01
West_Reach	1332.697	5-year flow	83.0	588.00	592.31	589.75	592.39	0.000611	2.31	38.76	12.81	0.21
West_Reach	1332.697	10-year flow	106.0	588.00	593.08	590.02	593.17	0.000534	2.43	50.06	13.57	0.20
West_Reach	1332.697	25-year flow	145.0	588.00	594.07	590.39	594.18	0.000519	2.72	68.83	32.72	0.20
West_Reach	1332.697	50-year flow	177.0	588.00	594.32	590.69	594.46	0.000649	3.13	77.51	35.94	0.23
West_Reach	1332.697	100-year flow	213.0	588.00	594.48	591.00	594.67	0.000840	3.63	83.44	37.47	0.26
West_Reach	1318.95		Culvert									
West_Reach	1305.207	5-year flow	83.0	586.82	588.65	588.20	588.95	0.007024	4.40	18.86	12.07	0.62
West_Reach	1305.207	10-year flow	106.0	586.82	589.56	588.41	589.75	0.002828	3.48	30.48	13.34	0.41
West_Reach	1305.207	25-year flow	145.0	586.82	590.92	588.73	591.05	0.001322	2.91	49.84	15.22	0.28
West_Reach	1305.207	50-year flow	177.0	586.82	591.95	588.99	592.06	0.000878	2.67	66.43	18.09	0.23
West_Reach	1305.207	100-year flow	213.0	586.82	592.60	589.24	592.71	0.000768	2.75	83.62	40.47	0.22
West_Reach	1293.297	5-year flow	83.0	584.00	588.74	586.65	588.82	0.000888	2.26	36.87	15.67	0.23
West_Reach	1293.297	10-year flow	106.0	584.00	589.61	586.96	589.68	0.000598	2.21	48.17	16.82	0.20
West_Reach	1293.297	25-year flow	145.0	584.00	590.94	587.39	591.02	0.000405	2.23	65.50	27.73	0.17
West_Reach	1293.297	50-year flow	177.0	584.00	591.97	587.65	592.03	0.000247	1.94	125.08	61.77	0.14
West_Reach	1293.297	100-year flow	213.0	584.00	592.62	587.91	592.68	0.000225	1.99	168.82	73.53	0.14
West_Reach	1271.9		Culvert									
West_Reach	1250.517	5-year flow	83.0	580.15	582.41	582.41	583.39	0.030027	7.93	10.47	5.36	1.00
West_Reach	1250.517	10-year flow	106.0	580.15	582.84	582.84	583.88	0.029195	8.20	12.92	6.27	1.01
West_Reach	1250.517	25-year flow	145.0	580.15	583.43	583.43	584.56	0.027123	8.50	17.05	7.56	1.00
West_Reach	1250.517	50-year flow	177.0	580.15	583.83	583.83	585.02	0.025111	8.73	20.37	9.07	0.99
West_Reach	1250.517	100-year flow	213.0	580.15	584.23	584.23	585.47	0.023207	8.94	24.28	10.69	0.98
West_Reach	1165.394	5-year flow	83.0	574.62	575.57	575.57	575.86	0.022244	4.29	19.38	35.19	1.01
West_Reach	1165.394	10-year flow	106.0	574.62	575.67	575.67	576.01	0.021029	4.65	22.96	37.05	1.01
West_Reach	1165.394	25-year flow	145.0	574.62	575.84	575.84	576.23	0.018472	5.06	29.73	46.57	0.98
West_Reach	1165.394	50-year flow	177.0	574.62	575.97	575.97	576.39	0.016524	5.28	36.31	53.84	0.95
West_Reach	1165.394	100-year flow	213.0	574.62	576.10	576.10	576.56	0.015210	5.51	43.78	61.56	0.93
West_Reach	1089.717	5-year flow	83.0	568.24	569.10	569.10	569.38	0.021784	4.28	19.48	36.04	1.00
West_Reach	1089.717	10-year flow	106.0	568.24	569.20	569.20	569.53	0.020457	4.61	23.57	45.13	1.00
West_Reach	1089.717	25-year flow	145.0	568.24	569.38	569.38	569.74	0.016576	4.86	33.66	63.68	0.93
West_Reach	1089.717	50-year flow	177.0	568.24	569.50	569.50	569.89	0.015198	5.09	41.74	70.57	0.92
West_Reach	1089.717	100-year flow	213.0	568.24	569.62	569.62	570.04	0.014452	5.35	50.14	75.49	0.91
West_Reach	872.5471	5-year flow	83.0	548.68	549.88	549.88	550.18	0.020750	4.36	19.88	40.02	0.99
West_Reach	872.5471	10-year flow	106.0	548.68	550.01	550.01	550.33	0.018988	4.57	25.05	45.58	0.97
West_Reach	872.5471	25-year flow	145.0	548.68	550.17	550.17	550.53	0.017681	4.93	33.57	57.02	0.96
West_Reach	872.5471	50-year flow	177.0	548.68	550.28	550.28	550.68	0.016945	5.24	39.92	60.44	0.96
West_Reach	872.5471	100-year flow	213.0	548.68	550.39	550.39	550.84	0.016425	5.56	46.75	64.10	0.96

HEC-RAS Plan: Existing River: Unnamed_Trib Reach: West_Reach (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
West_Reach	665.446	5-year flow	83.0	529.94	531.29	531.29	531.72	0.019656	5.20	15.95	19.26	1.01
West_Reach	665.446	10-year flow	106.0	529.94	531.46	531.46	531.93	0.018980	5.50	19.26	20.81	1.01
West_Reach	665.446	25-year flow	145.0	529.94	531.70	531.70	532.24	0.018174	5.91	24.55	23.07	1.01
West_Reach	665.446	50-year flow	177.0	529.94	531.87	531.87	532.47	0.017569	6.18	28.64	24.65	1.01
West_Reach	665.446	100-year flow	213.0	529.94	532.03	532.03	532.69	0.017055	6.55	32.61	26.54	1.01
West_Reach	523.4422	5-year flow	83.0	517.03	518.54	518.54	519.01	0.019268	5.55	14.96	15.93	1.01
West_Reach	523.4422	10-year flow	106.0	517.03	518.73	518.73	519.26	0.018587	5.82	18.20	17.53	1.01
West_Reach	523.4422	25-year flow	145.0	517.03	519.04	519.04	519.60	0.018039	6.01	24.11	21.68	1.00
West_Reach	523.4422	50-year flow	177.0	517.03	519.22	519.22	519.82	0.017836	6.22	28.50	25.19	1.01
West_Reach	523.4422	100-year flow	213.0	517.03	519.39	519.39	520.05	0.016820	6.55	32.99	29.34	1.00
West_Reach	369.1193	5-year flow	83.0	506.59	508.40	508.40	508.95	0.018948	5.97	13.91	12.88	1.01
West_Reach	369.1193	10-year flow	106.0	506.59	508.63	508.63	509.23	0.018323	6.19	17.12	14.63	1.01
West_Reach	369.1193	25-year flow	145.0	506.59	508.95	508.95	509.62	0.017719	6.53	22.22	17.14	1.01
West_Reach	369.1193	50-year flow	177.0	506.59	509.17	509.17	509.88	0.017389	6.77	26.13	18.94	1.01
West_Reach	369.1193	100-year flow	213.0	506.59	509.40	509.40	510.15	0.015834	6.95	30.98	24.69	0.98
West_Reach	232.1771	5-year flow	83.0	499.06	500.58	500.58	501.03	0.019559	5.39	15.40	17.48	1.01
West_Reach	232.1771	10-year flow	106.0	499.06	500.77	500.77	501.26	0.018720	5.62	18.87	19.48	1.01
West_Reach	232.1771	25-year flow	145.0	499.06	501.04	501.04	501.58	0.018235	5.87	24.69	23.41	1.01
West_Reach	232.1771	50-year flow	177.0	499.06	501.22	501.22	501.79	0.018105	6.10	29.04	26.17	1.02
West_Reach	232.1771	100-year flow	213.0	499.06	501.38	501.38	502.01	0.017228	6.37	33.62	28.91	1.01
West_Reach	110.1391	5-year flow	88.0	495.01	495.87	495.87	496.12	0.026692	4.54	26.87	53.68	1.10
West_Reach	110.1391	10-year flow	113.0	495.01	495.96	495.96	496.25	0.026069	4.89	32.02	55.42	1.11
West_Reach	110.1391	25-year flow	155.0	495.01	496.09	496.09	496.45	0.027270	5.48	38.99	57.70	1.16
West_Reach	110.1391	50-year flow	189.0	495.01	496.23	496.19	496.60	0.022120	5.56	47.20	60.32	1.08
West_Reach	110.1391	100-year flow	228.0	495.01	496.38	496.30	496.76	0.018081	5.64	56.81	63.17	1.00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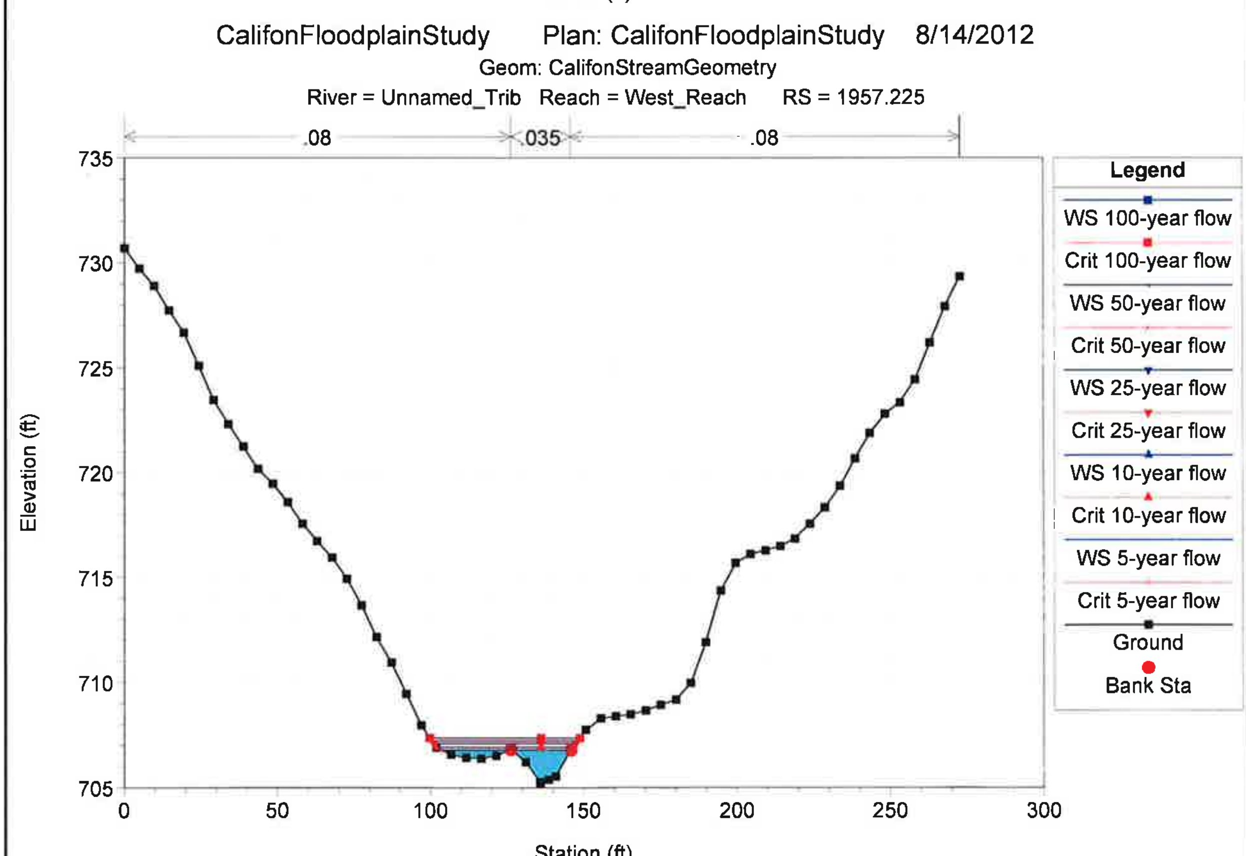
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta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Station (ft)
Legend
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Crit 100-year flow
WS 50-year flow
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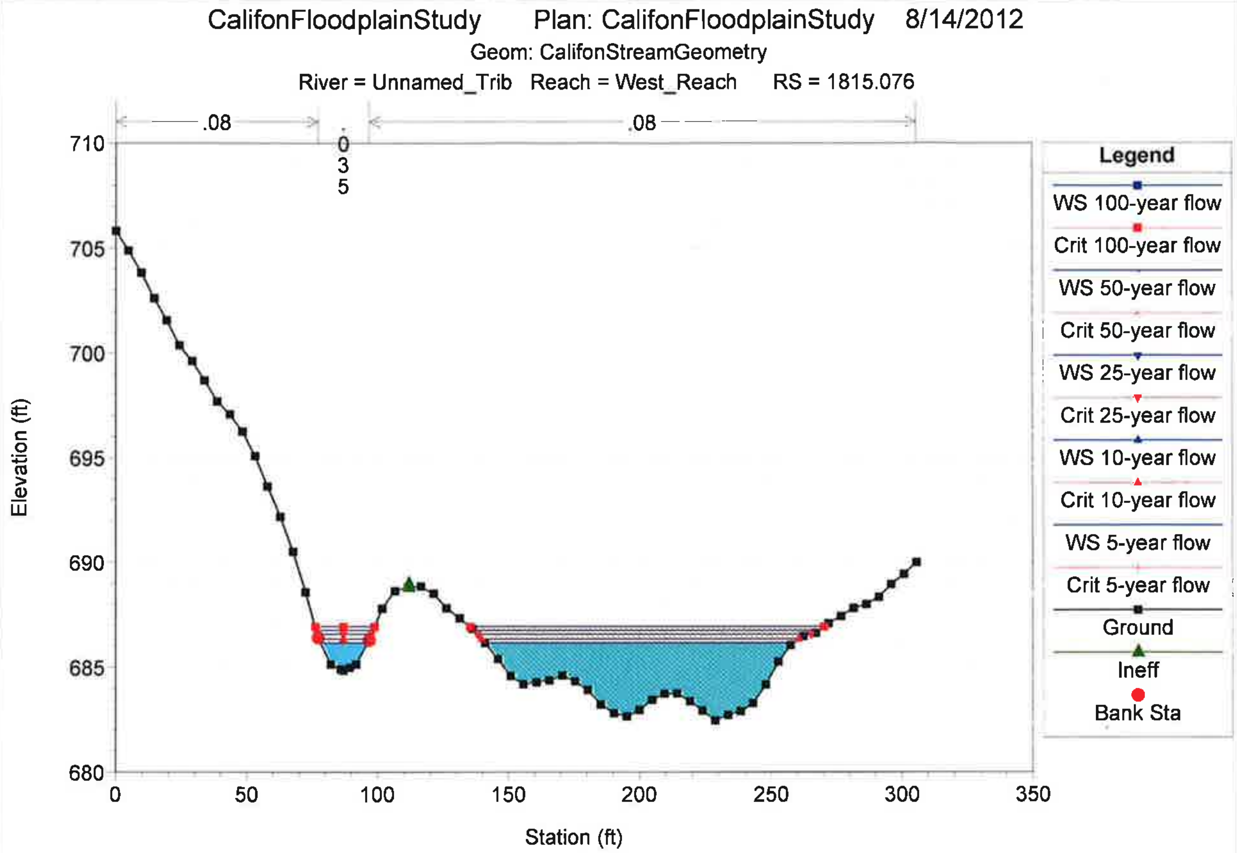
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta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Station (ft)
Legend
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Crit 100-year flow
WS 50-year flow
Crit 50-year flow
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Crit 25-year flow
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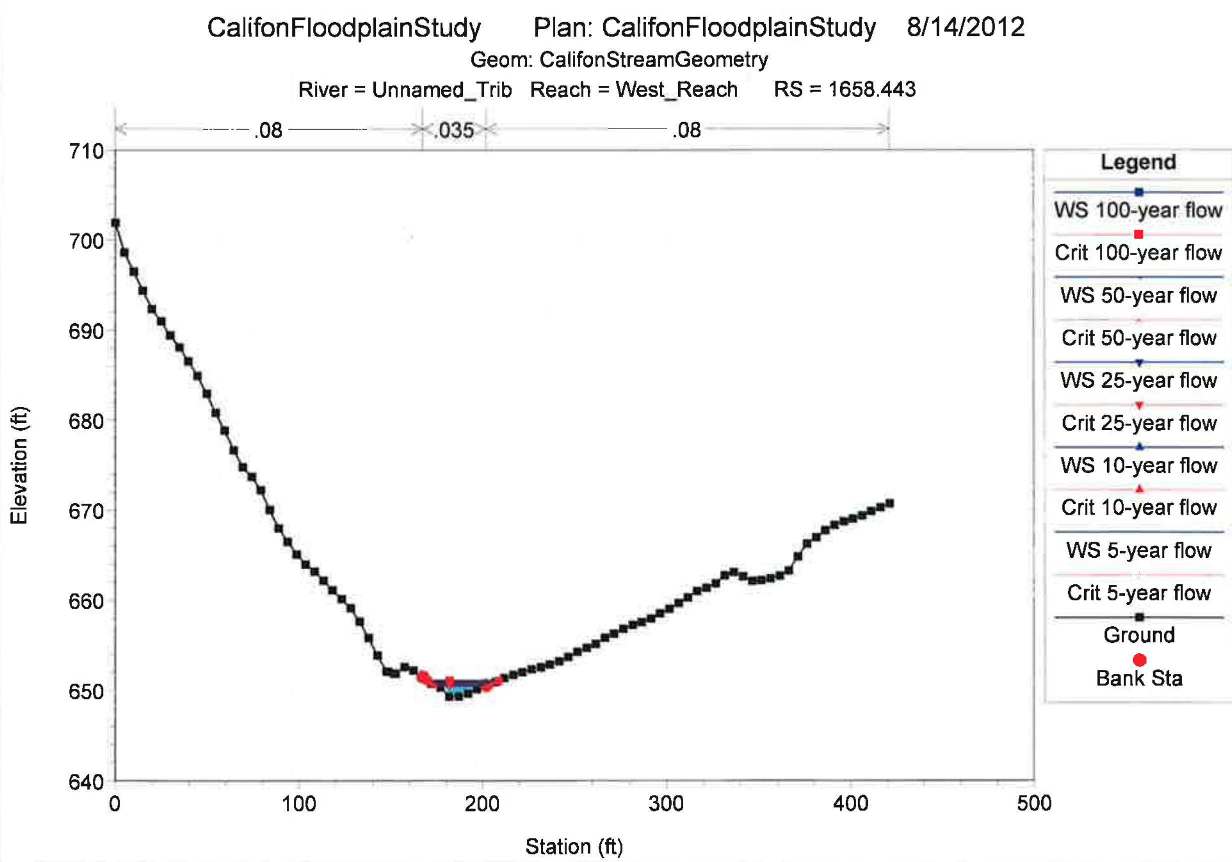
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta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Elevation (ft)
Station (ft)
Legend
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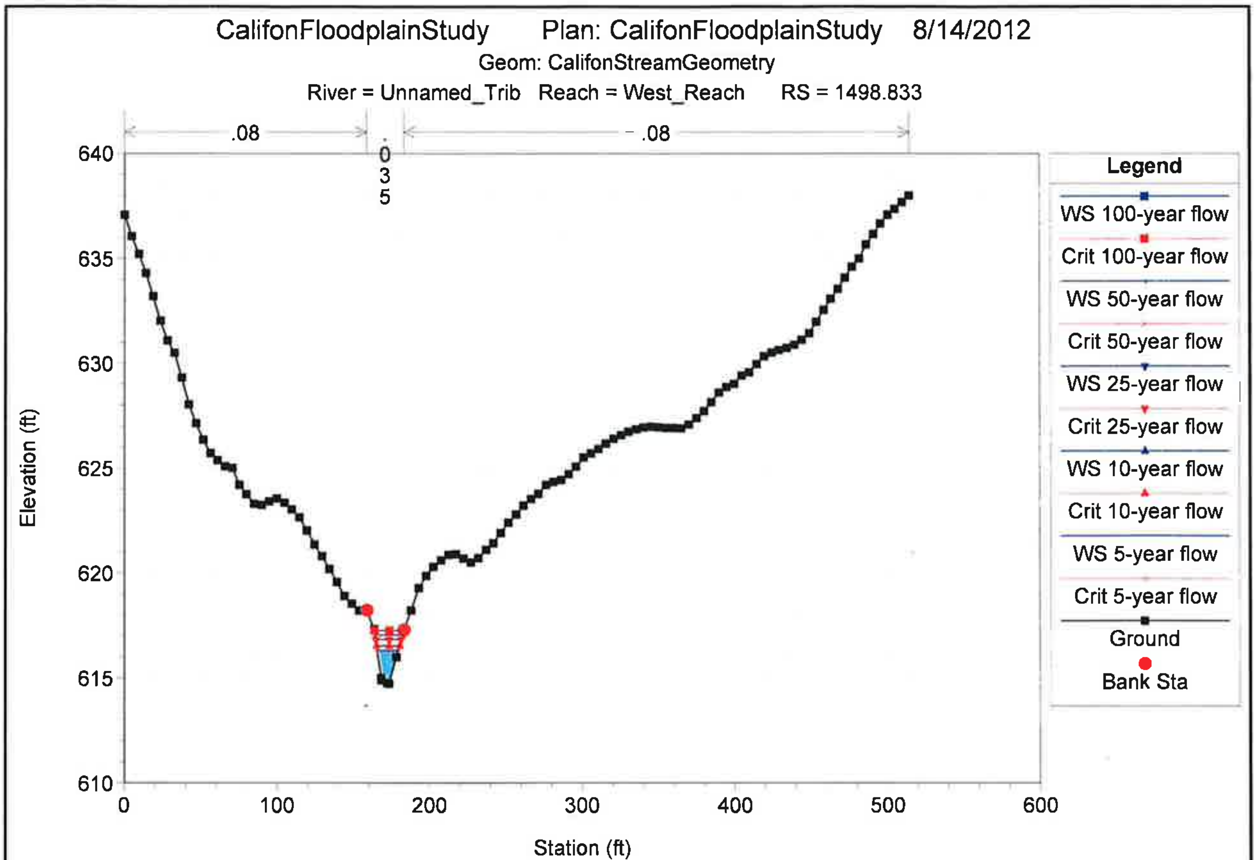
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta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Legend
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Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta
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Station (ft)
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630
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620
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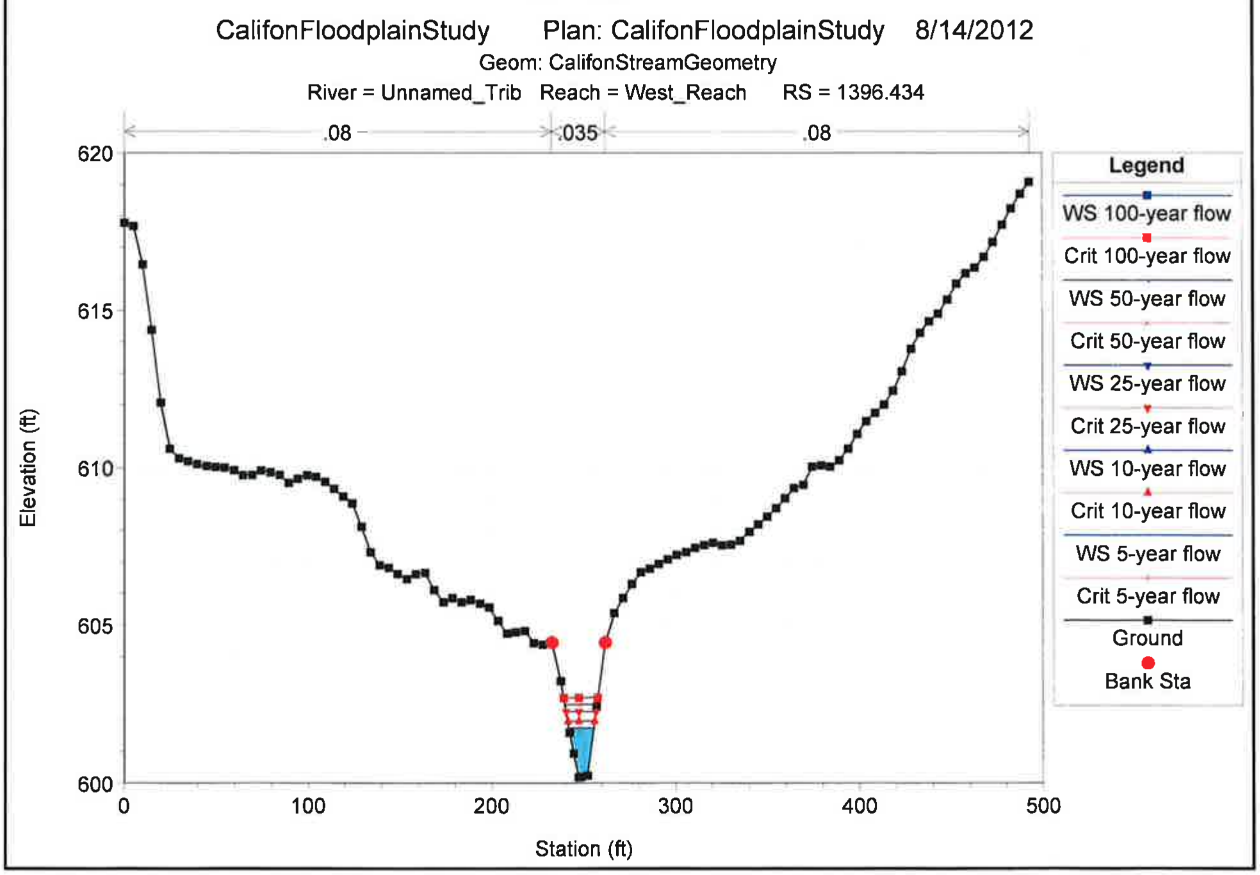
300
400
500
600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Legend
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Crit 25-year flow
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Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
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Station (ft)
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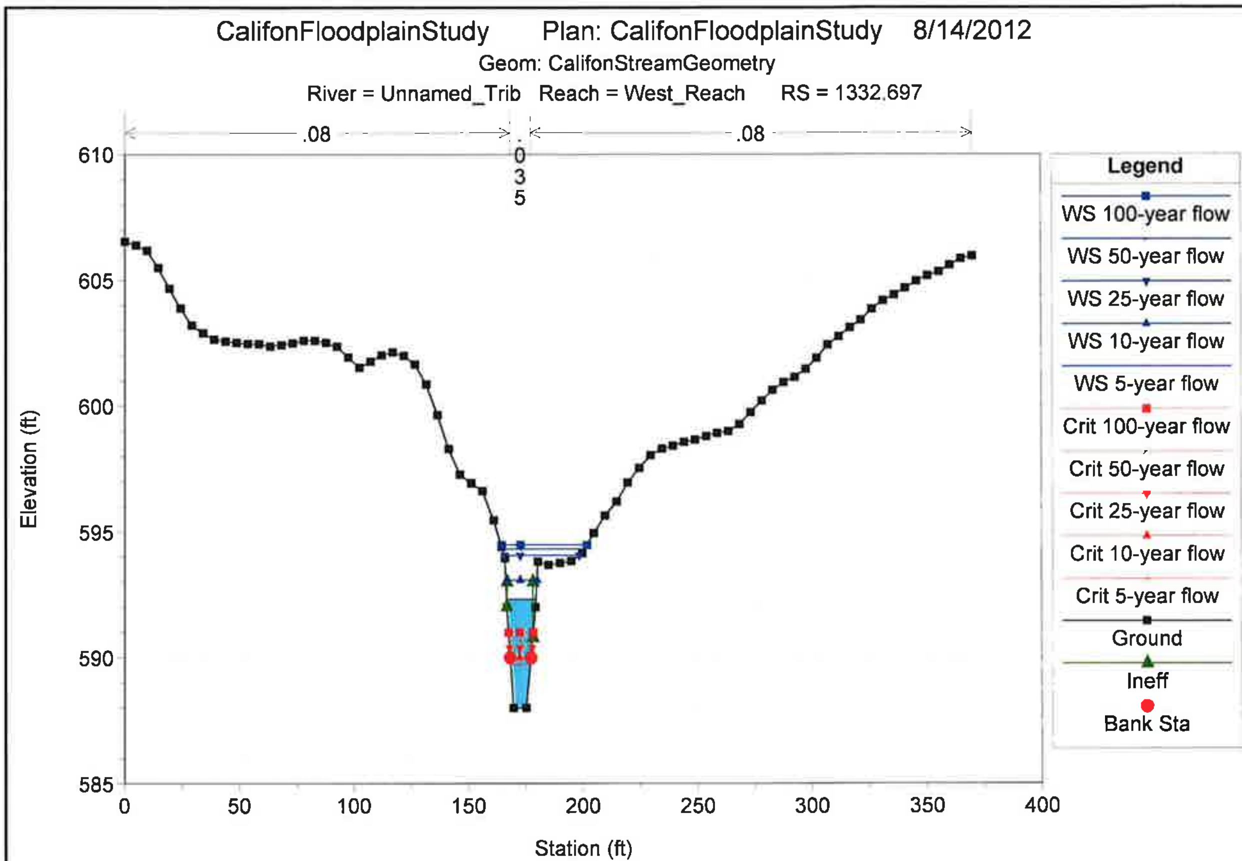
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Station (ft)
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590
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50
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150
200
250
300
350
400
Legend
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WS 50-year flow
WS 25-year flow
WS 10-year flow
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Crit 50-year flow
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Crit 5-year flow
Ground
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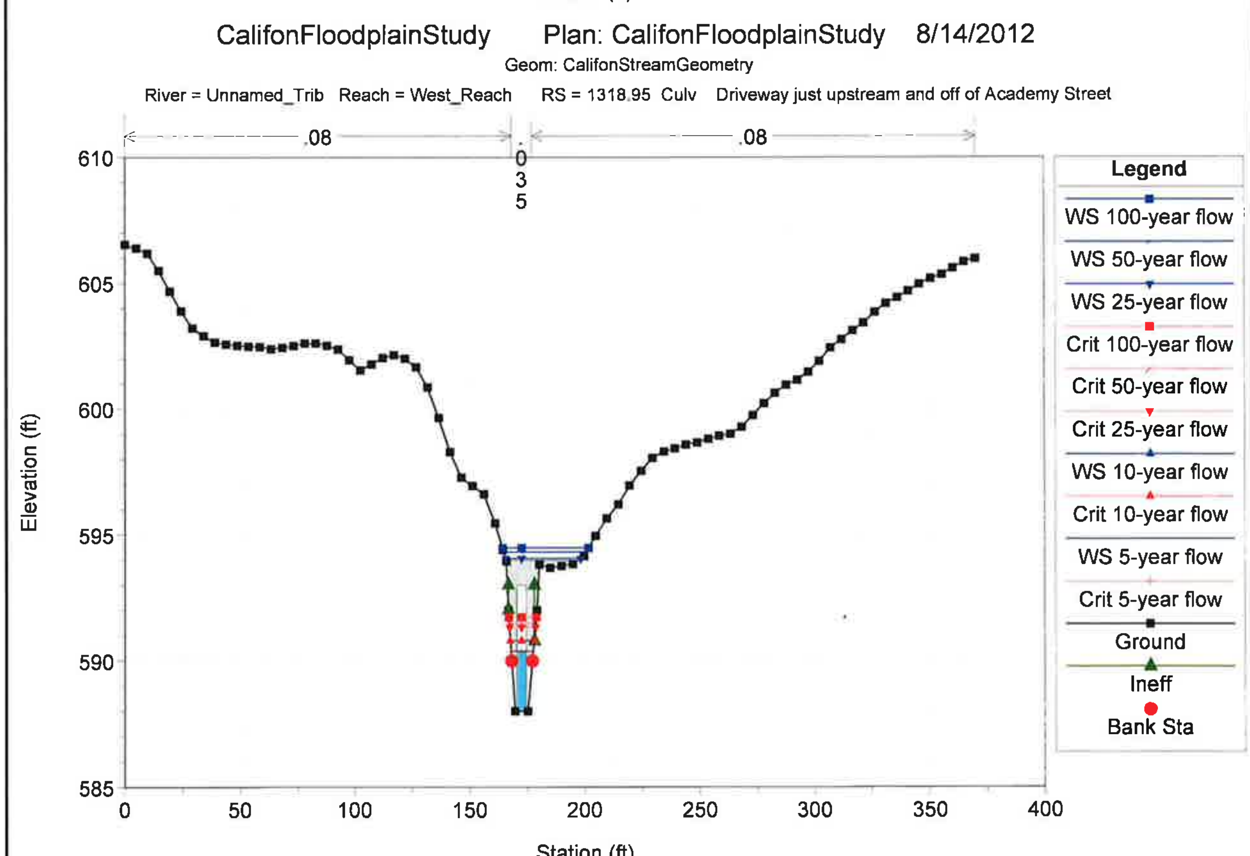
Bank Sta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.08
.035
.08
Elevation (ft)
Station (ft)
610
605
600
595
590
585
0
50
100
150
200
250
300
350
400
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
Crit 100-year flow
Crit 50-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta

CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
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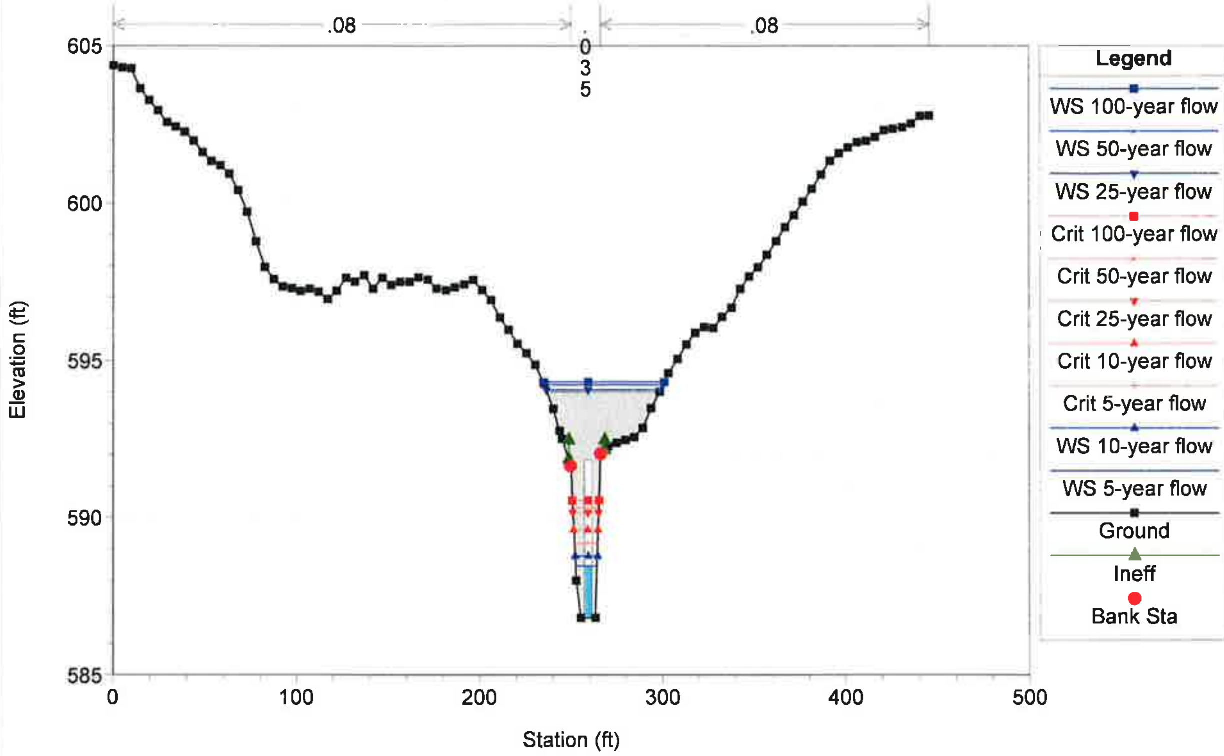

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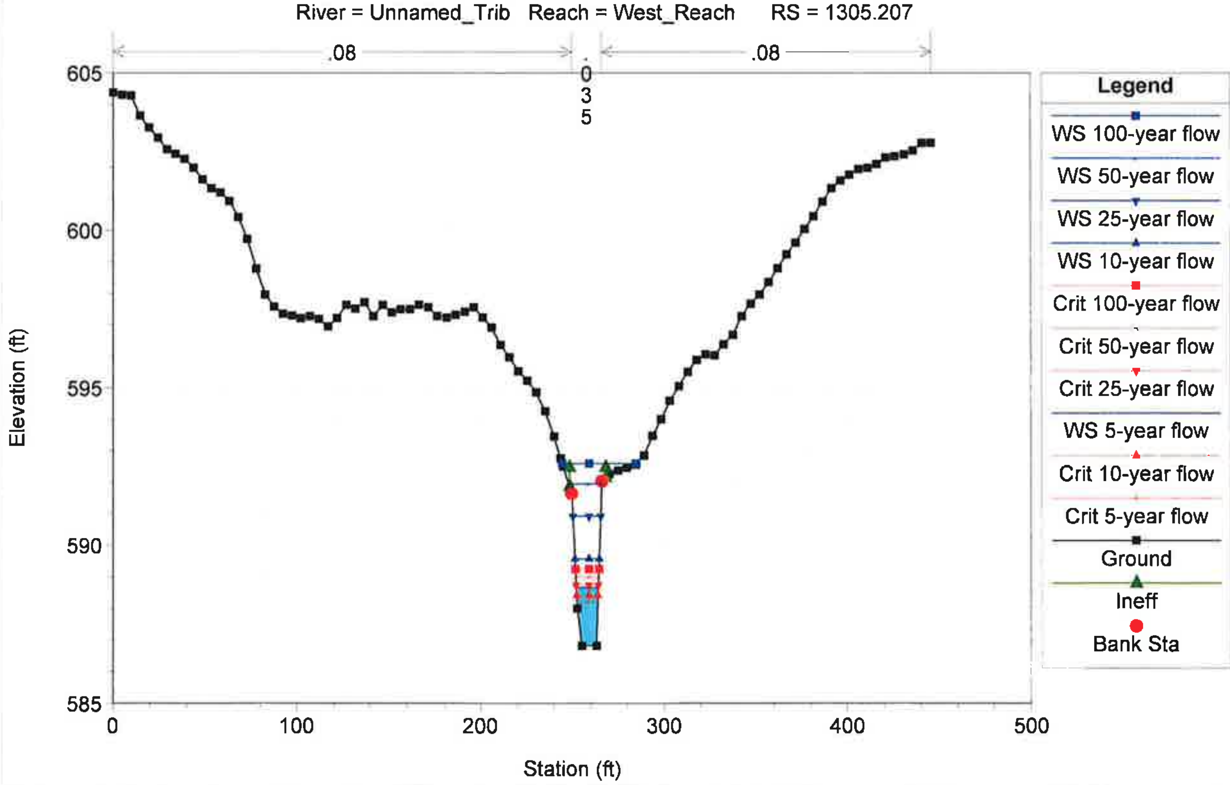

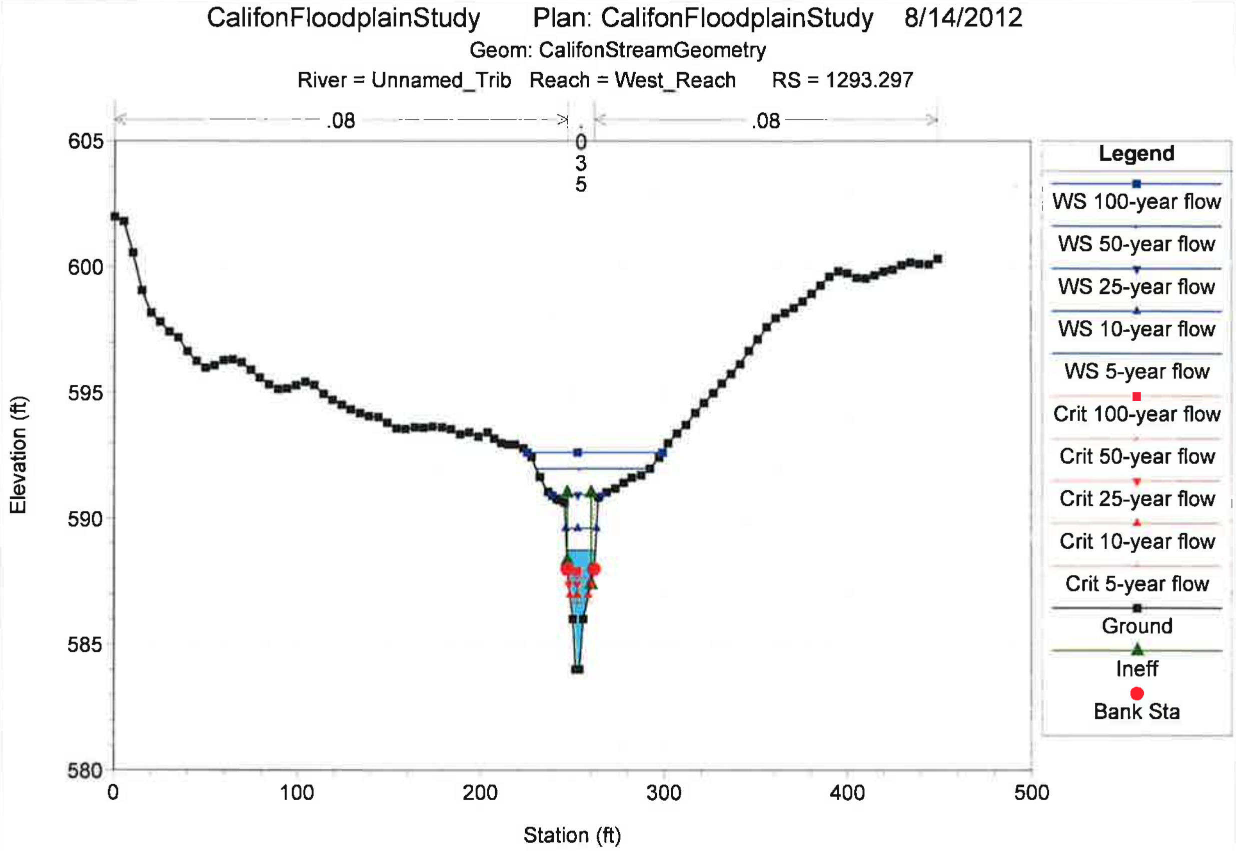
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.08
Elevation (ft)
Station (ft)
Legend
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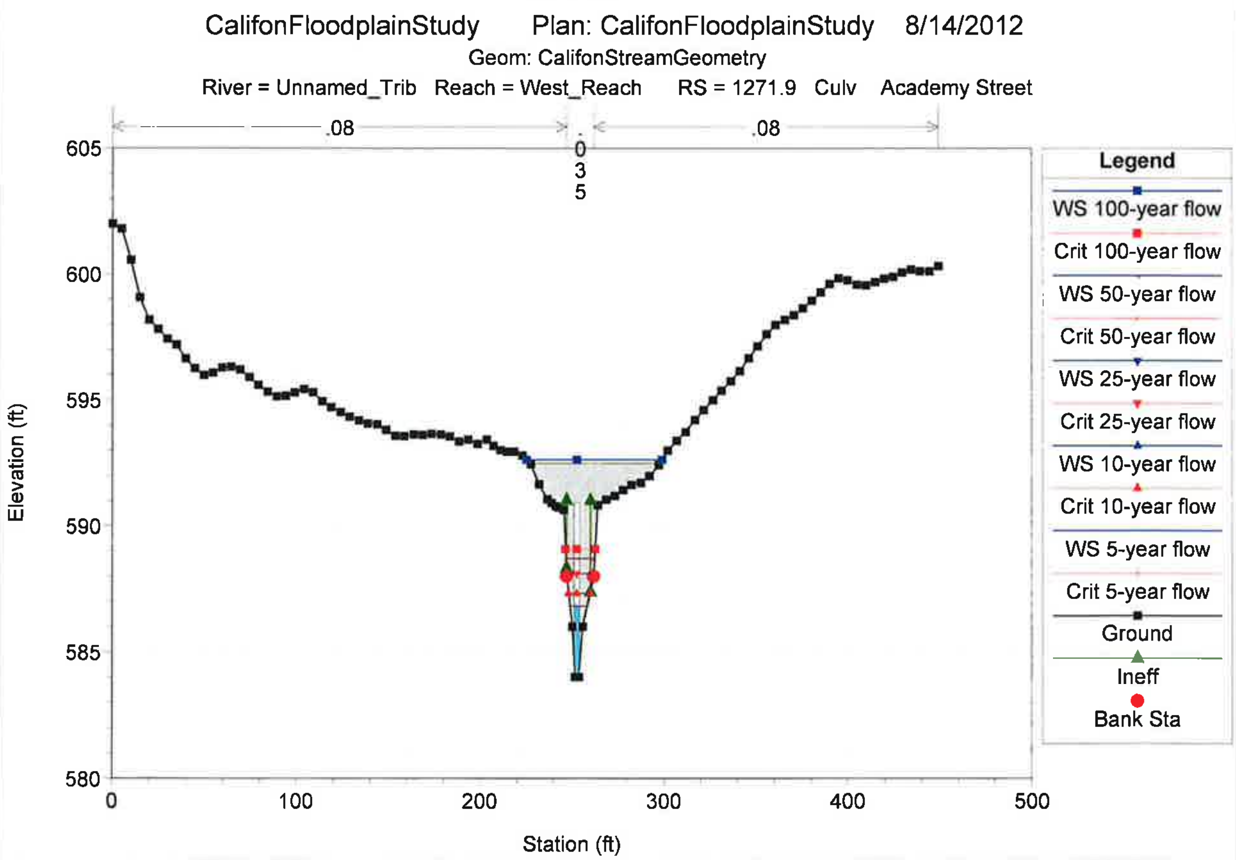
WS 50-year flow
WS 25-year flow
WS 10-year flow
WS 5-year flow
Crit 100-year flow
Crit 50-year flow
Crit 25-year flow
Crit 10-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta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.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
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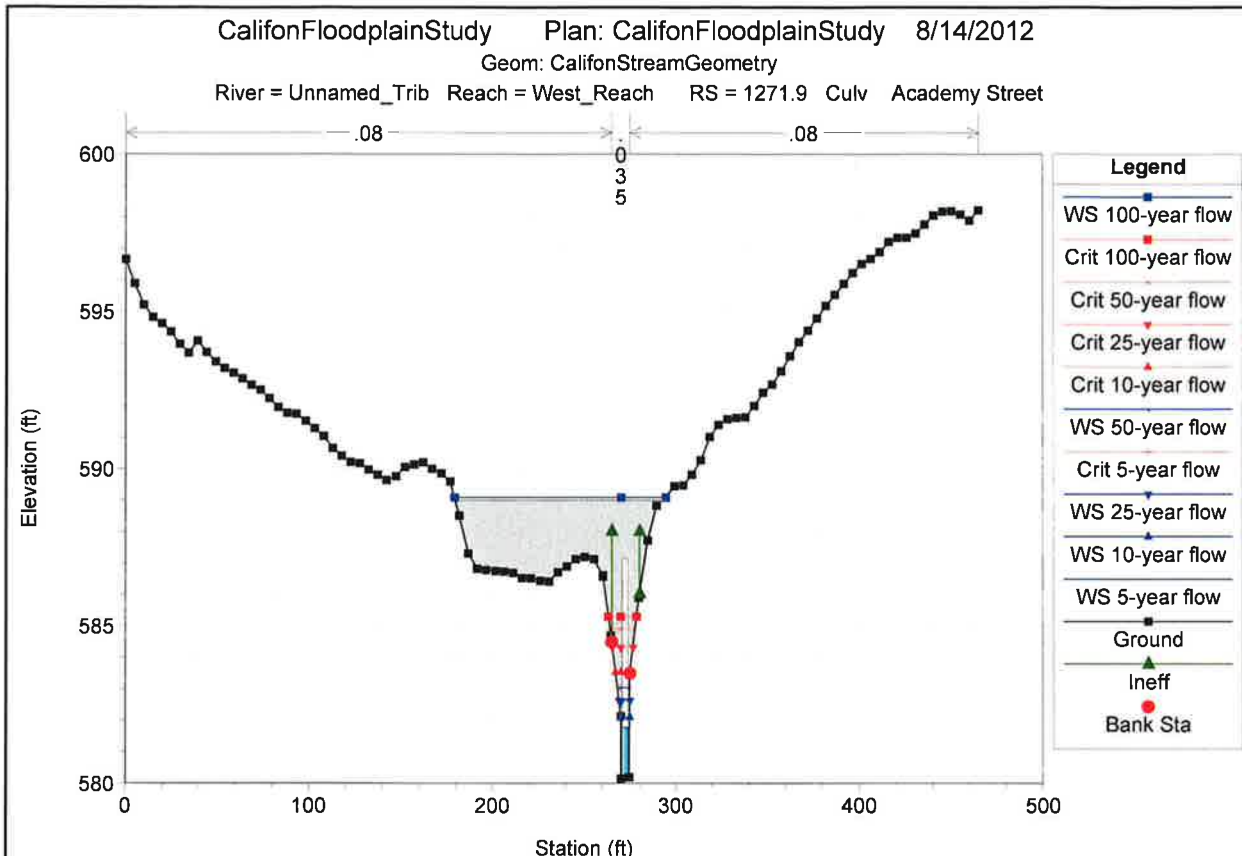
Ground
Ineff
Bank Sta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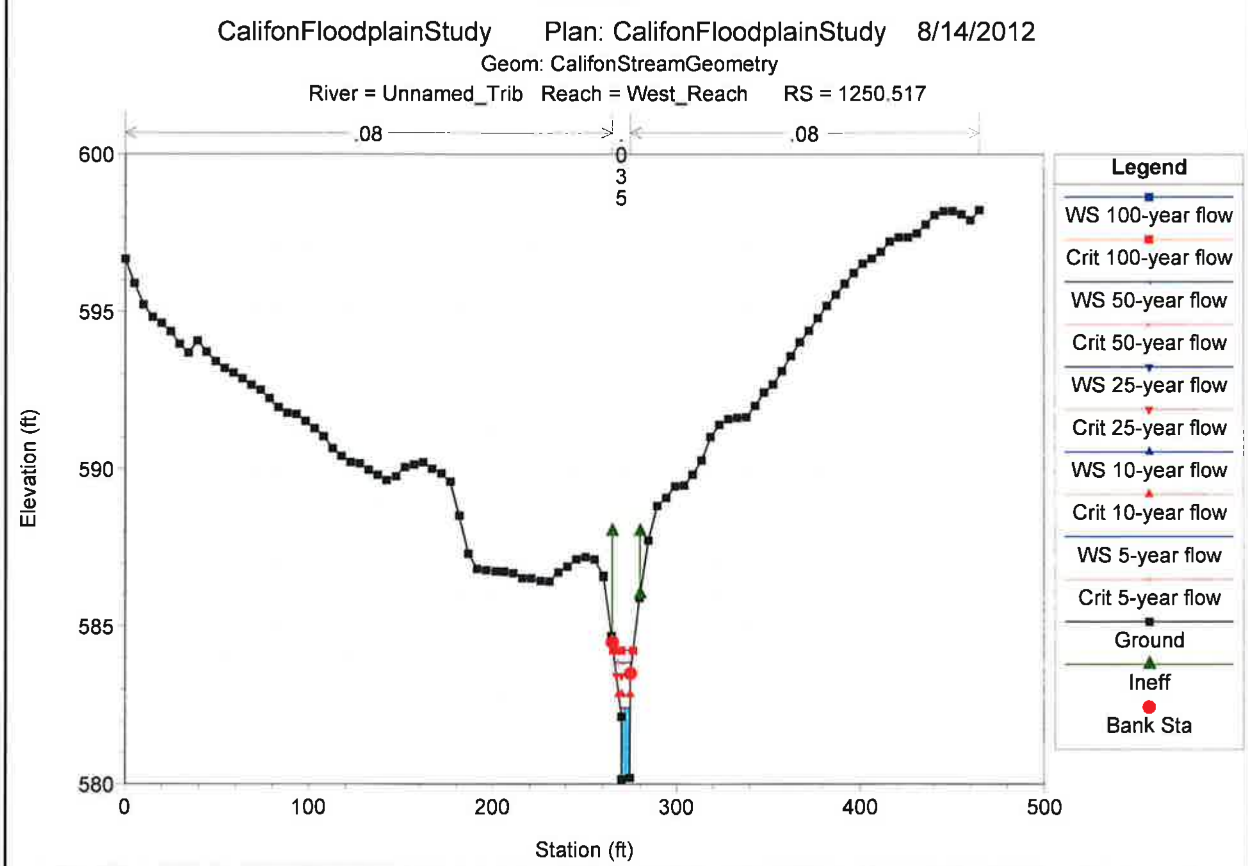
.08
.035
.08
Legend
WS 100-year flow
Crit 100-year flow
Crit 50-year flow
Crit 25-year flow
Crit 10-year flow
WS 50-year flow
Crit 5-year flow
WS 25-year flow
WS 10-year flow
WS 5-year flow
Ground
Ineff
Bank Sta
Elevation (ft)
Station (ft)
600
595
590
585
580
0
100
200
300
400
500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.08
Legend
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Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta
Elevation (ft)
Station (ft)
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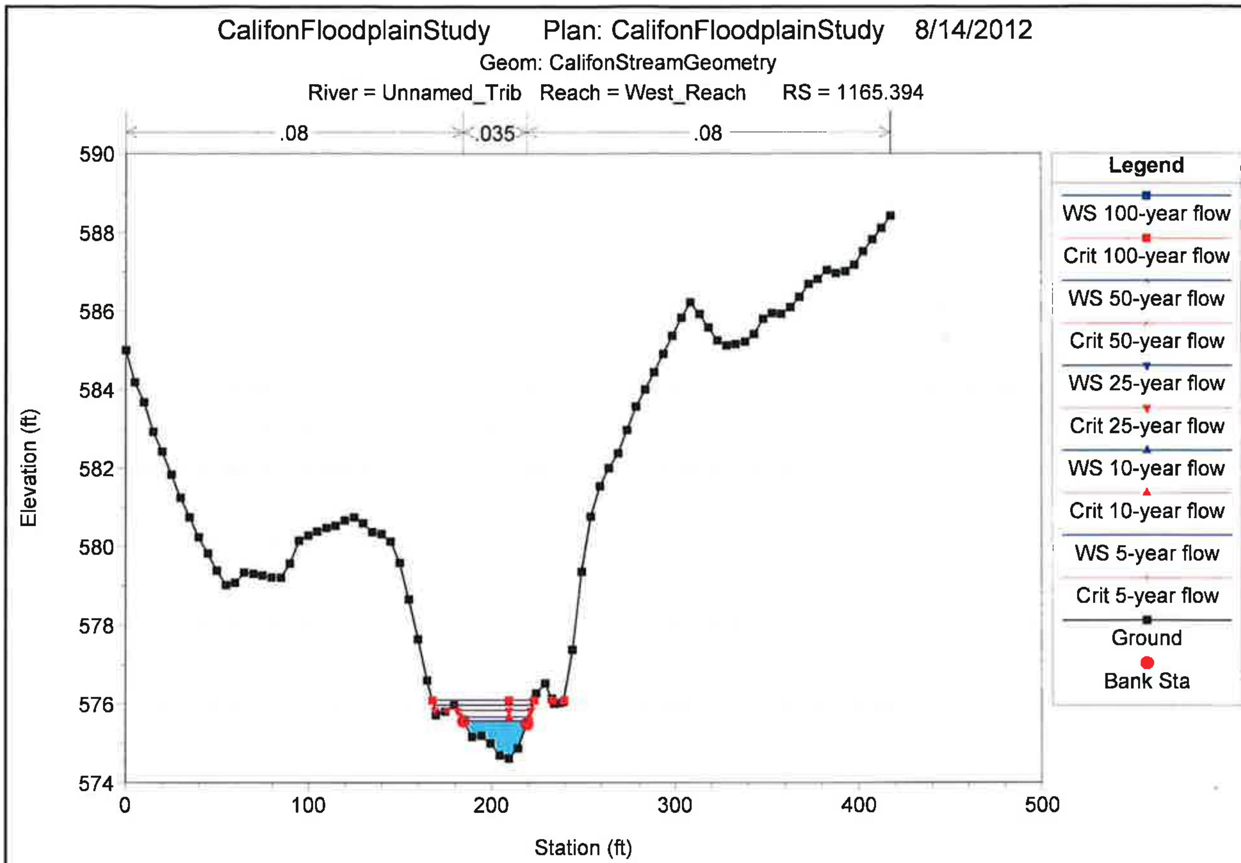
595
590
585
580
0
100
200
300
400
500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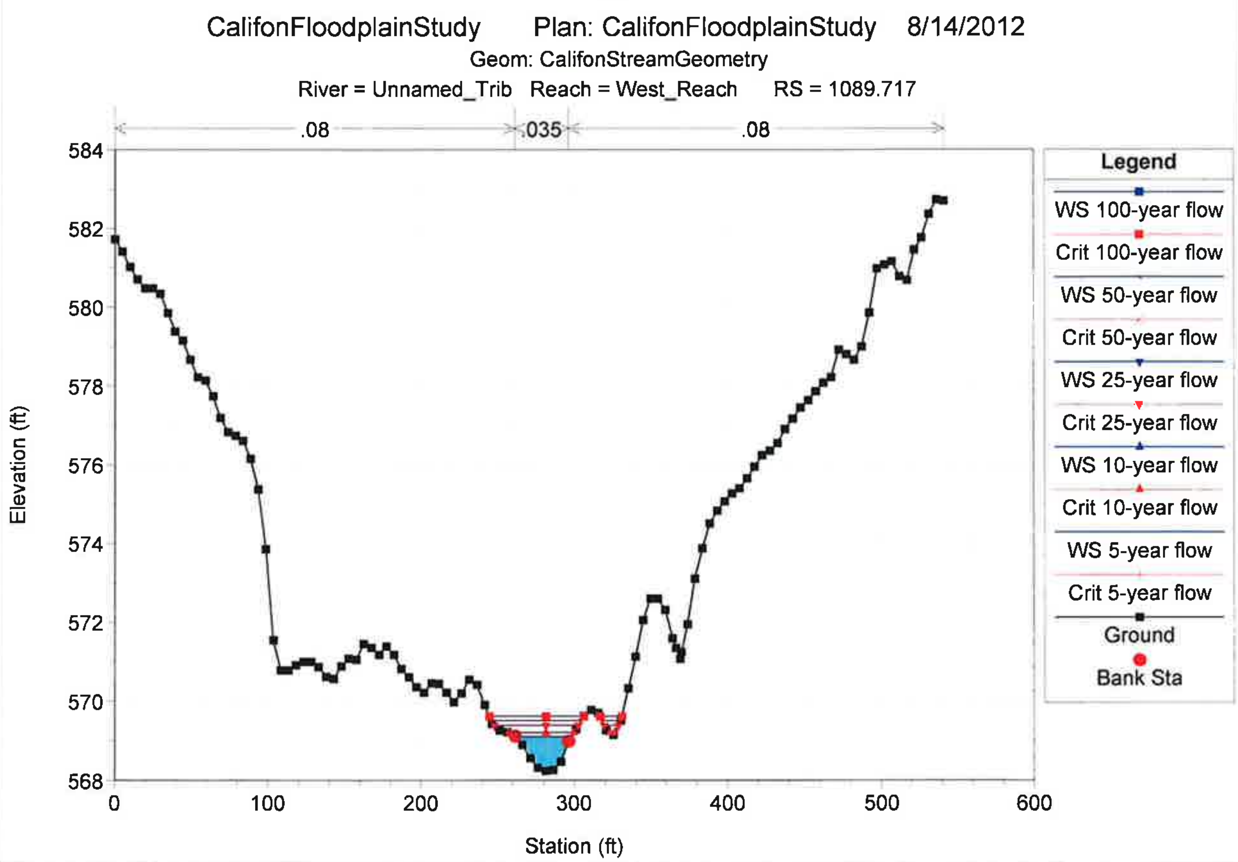
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta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Geom: CalifonStreamGeometry
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Elevation (ft)
Station (ft)
Legend
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Crit 100-year flow
WS 50-year flow
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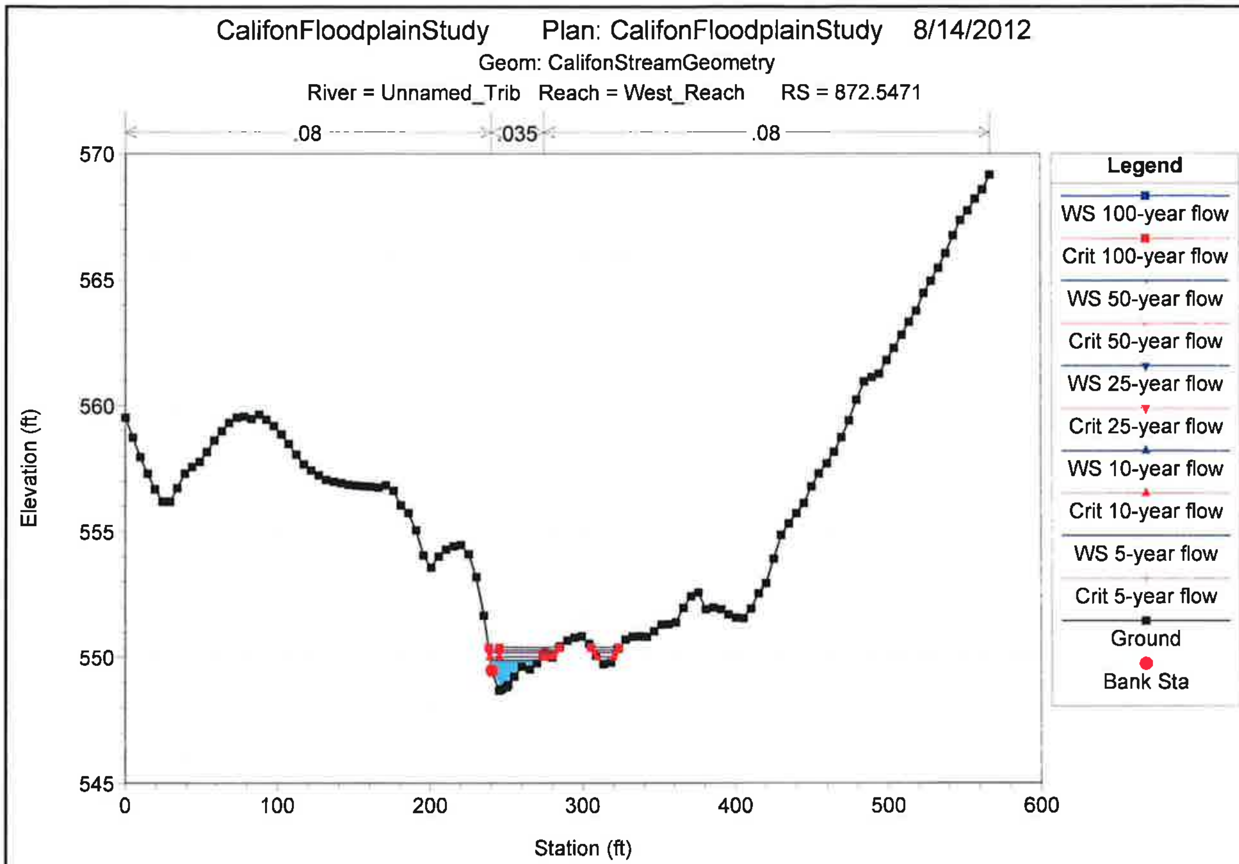
Crit 5-year flow
Ground
Bank Sta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Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta
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Station (ft)
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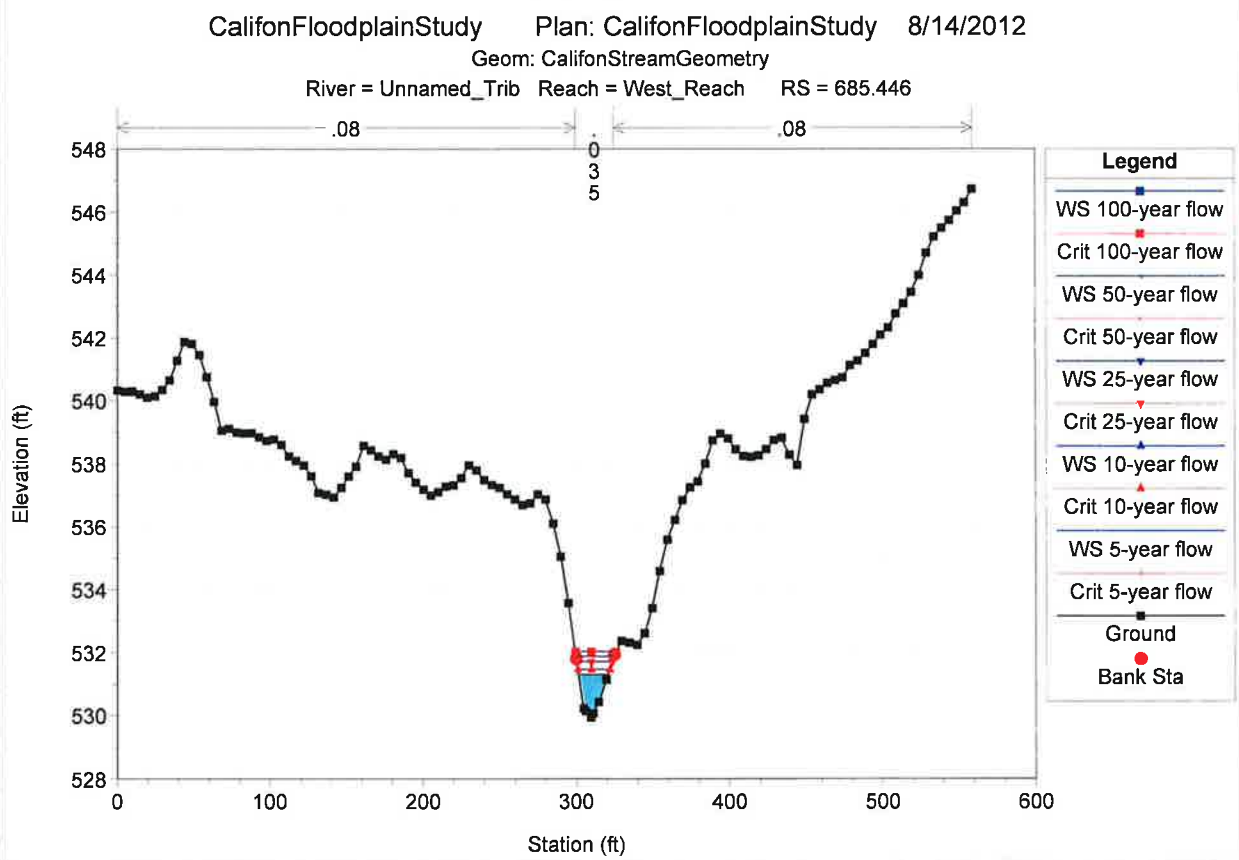
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WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta
Elevation (ft)
Station (ft)
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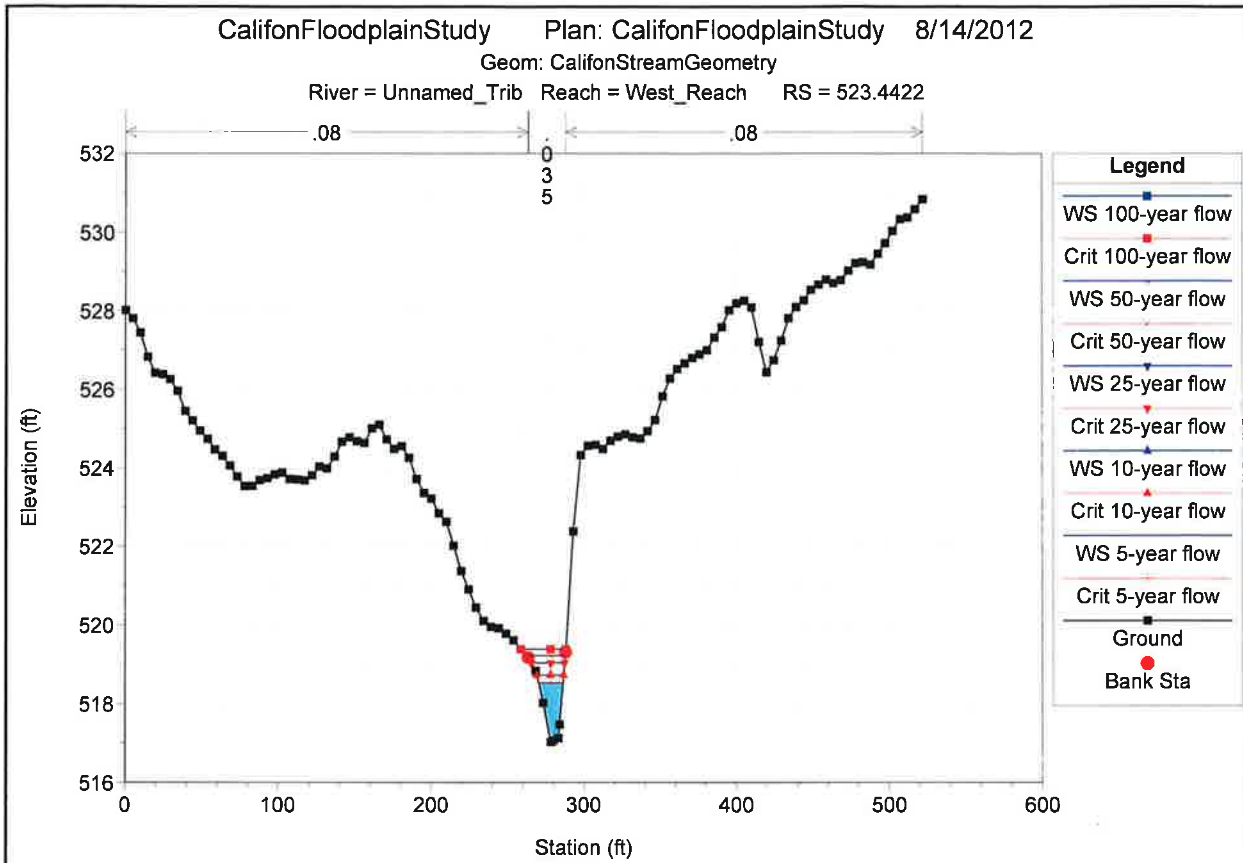
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Station (ft)
Legend
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Crit 100-year flow
WS 50-year flow
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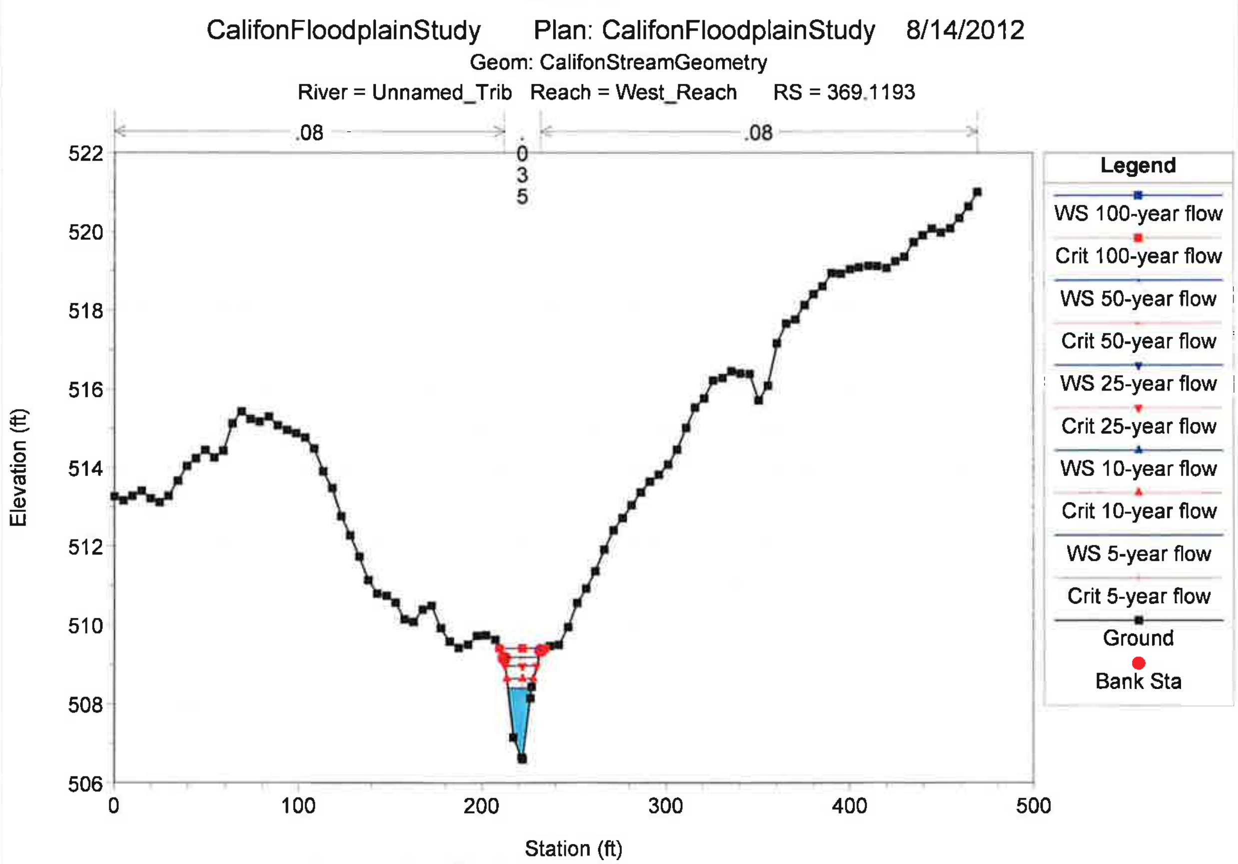
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta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Station (ft)
Legend
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Crit 100-year flow
WS 50-year flow
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Crit 25-year flow
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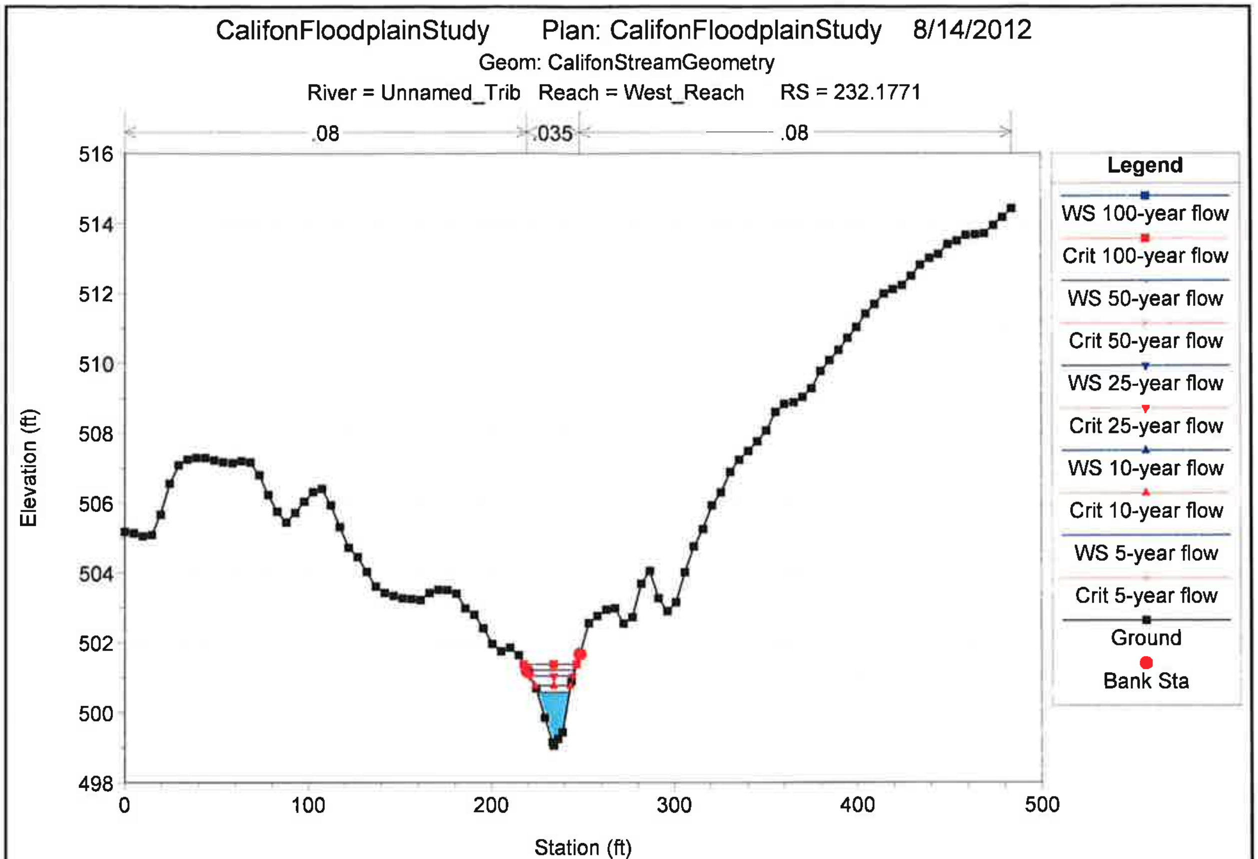
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta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Station (ft)
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Crit 10-year flow
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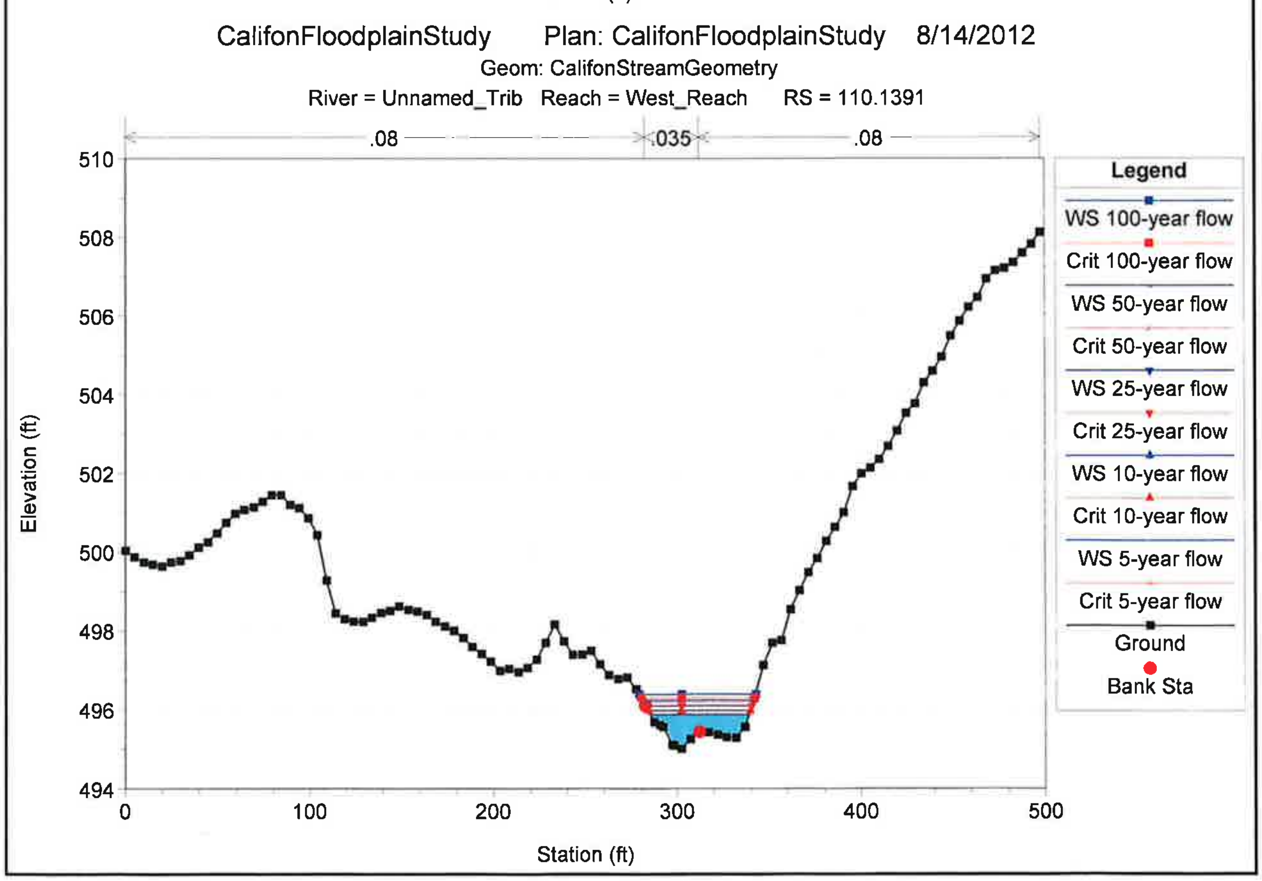
Crit 5-year flow
Ground
Bank Sta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Station (ft)
Legend
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Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta

HEC-RAS Plan: Existing River: Unnamed_Trib Reach: East_Reach

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
East_Reach	1292.07	5-year flow	19.0	595.63	596.26	596.26	596.46	0.025349	3.54	5.37	14.08	1.01
East_Reach	1292.07	10-year flow	27.0	595.63	596.38	596.38	596.60	0.024024	3.84	7.03	15.69	1.01
East_Reach	1292.07	25-year flow	41.0	595.63	596.54	596.54	596.81	0.022130	4.18	9.80	18.04	1.00
East_Reach	1292.07	50-year flow	53.0	595.63	596.65	596.65	596.96	0.021708	4.46	11.89	19.64	1.01
East_Reach	1292.07	100-year flow	68.0	595.63	596.77	596.77	597.12	0.020915	4.73	14.38	21.37	1.01
East_Reach	1238.105	5-year flow	19.0	588.98	589.62	589.62	589.84	0.023982	3.80	5.00	11.28	1.00
East_Reach	1238.105	10-year flow	27.0	588.98	589.75	589.75	590.01	0.022948	4.11	6.57	12.71	1.01
East_Reach	1238.105	25-year flow	41.0	588.98	589.94	589.94	590.25	0.021755	4.46	9.18	15.06	1.01
East_Reach	1238.105	50-year flow	53.0	588.98	590.07	590.07	590.41	0.021055	4.70	11.28	16.71	1.01
East_Reach	1238.105	100-year flow	68.0	588.98	590.21	590.21	590.59	0.020285	4.93	13.79	18.49	1.01
East_Reach	1109.812	5-year flow	19.0	578.73	579.38	579.38	579.57	0.024918	3.52	5.39	14.07	1.00
East_Reach	1109.812	10-year flow	27.0	578.73	579.49	579.49	579.72	0.023509	3.82	7.07	15.61	1.00
East_Reach	1109.812	25-year flow	41.0	578.73	579.66	579.66	579.93	0.022493	4.16	9.84	18.49	1.01
East_Reach	1109.812	50-year flow	53.0	578.73	579.77	579.77	580.07	0.021847	4.40	12.05	20.73	1.01
East_Reach	1109.812	100-year flow	68.0	578.73	579.88	579.88	580.23	0.021089	4.74	14.43	22.80	1.01
East_Reach	998.8233	5-year flow	19.0	567.07	567.83	567.83	568.07	0.023931	3.89	4.88	10.54	1.01
East_Reach	998.8233	10-year flow	27.0	567.07	567.97	567.97	568.25	0.022731	4.21	6.41	11.83	1.01
East_Reach	998.8233	25-year flow	41.0	567.07	568.16	568.16	568.50	0.021261	4.69	8.76	13.51	1.01
East_Reach	998.8233	50-year flow	53.0	567.07	568.30	568.30	568.68	0.019742	4.98	10.76	14.77	1.00
East_Reach	998.8233	100-year flow	68.0	567.07	568.47	568.47	568.88	0.018783	5.19	13.41	17.03	0.99
East_Reach	895.5209	5-year flow	19.0	557.62	558.29	558.29	558.52	0.024370	3.77	5.04	11.61	1.01
East_Reach	895.5209	10-year flow	27.0	557.62	558.42	558.42	558.68	0.023193	4.08	6.62	13.05	1.01
East_Reach	895.5209	25-year flow	41.0	557.62	558.60	558.60	558.92	0.021752	4.51	9.10	14.73	1.01
East_Reach	895.5209	50-year flow	53.0	557.62	558.73	558.73	559.09	0.020524	4.76	11.14	15.89	1.00
East_Reach	895.5209	100-year flow	68.0	557.62	558.87	558.87	559.27	0.019899	5.06	13.45	17.11	1.00
East_Reach	797.1697	5-year flow	19.0	546.89	547.64	547.64	547.83	0.024615	3.55	5.35	13.60	1.00
East_Reach	797.1697	10-year flow	27.0	546.89	547.75	547.75	547.99	0.022849	3.86	6.99	14.82	0.99
East_Reach	797.1697	25-year flow	41.0	546.89	547.91	547.91	548.20	0.022140	4.33	9.47	16.49	1.01
East_Reach	797.1697	50-year flow	53.0	546.89	548.02	548.02	548.36	0.021809	4.68	11.33	17.36	1.02
East_Reach	797.1697	100-year flow	68.0	546.89	548.16	548.16	548.54	0.019805	4.91	13.86	18.34	0.99
East_Reach	704.597	5-year flow	19.0	538.47	539.34	539.34	539.56	0.023112	3.83	4.96	10.70	0.99
East_Reach	704.597	10-year flow	27.0	538.47	539.47	539.47	539.74	0.021399	4.16	6.48	11.61	0.98
East_Reach	704.597	25-year flow	41.0	538.47	539.66	539.66	540.00	0.020646	4.67	8.78	12.87	1.00
East_Reach	704.597	50-year flow	53.0	538.47	539.80	539.80	540.16	0.020281	5.00	10.59	13.78	1.01
East_Reach	704.597	100-year flow	68.0	538.47	539.95	539.95	540.39	0.019414	5.29	12.85	14.84	1.00
East_Reach	599.0162	5-year flow	19.0	527.44	528.21	528.21	528.44	0.023932	3.86	4.92	33.24	1.01
East_Reach	599.0162	10-year flow	27.0	527.44	528.35	528.35	528.61	0.021935	4.12	6.56	35.93	0.99
East_Reach	599.0162	25-year flow	41.0	527.44	528.54	528.54	528.86	0.021024	4.53	9.05	39.49	1.00
East_Reach	599.0162	50-year flow	53.0	527.44	528.68	528.68	529.03	0.020125	4.77	11.12	42.10	0.99
East_Reach	599.0162	100-year flow	68.0	527.44	528.82	528.82	529.22	0.019809	5.06	13.45	44.80	1.00
East_Reach	501.542	5-year flow	19.0	515.27	516.08	516.08	516.31	0.024142	3.90	4.87	10.56	1.01
East_Reach	501.542	10-year flow	27.0	515.27	516.22	516.22	516.49	0.022619	4.18	6.47	13.70	1.00
East_Reach	501.542	25-year flow	41.0	515.27	516.45	516.45	516.70	0.018287	4.11	11.65	28.38	0.92
East_Reach	501.542	50-year flow	53.0	515.27	516.57	516.57	516.83	0.018029	4.27	15.36	33.82	0.93
East_Reach	501.542	100-year flow	68.0	515.27	516.66	516.66	516.97	0.018363	4.66	18.67	35.96	0.95
East_Reach	413.4141	5-year flow	19.0	509.17	509.87	509.87	510.10	0.023966	3.81	4.98	11.15	1.01
East_Reach	413.4141	10-year flow	27.0	509.17	510.00	510.00	510.27	0.022979	4.14	6.53	12.51	1.01
East_Reach	413.4141	25-year flow	41.0	509.17	510.20	510.20	510.50	0.021769	4.46	9.20	15.13	1.01
East_Reach	413.4141	50-year flow	53.0	509.17	510.33	510.33	510.67	0.020800	4.67	11.35	17.05	1.00
East_Reach	413.4141	100-year flow	68.0	509.17	510.47	510.47	510.85	0.020443	4.95	13.79	18.96	1.01
East_Reach	296.9181	5-year flow	19.0	503.82	504.43	504.42	504.58	0.023239	3.09	6.15	18.58	0.95
East_Reach	296.9181	10-year flow	27.0	503.82	504.51	504.50	504.70	0.024121	3.47	7.77	20.26	0.99
East_Reach	296.9181	25-year flow	41.0	503.82	504.64	504.64	504.88	0.023813	3.90	10.51	22.82	1.01
East_Reach	296.9181	50-year flow	53.0	503.82	504.76	504.76	504.99	0.022993	3.87	13.84	35.51	1.00
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East_Reach	168.1203	5-year flow	0.5	501.41	501.50	501.50	501.51	0.039674	1.07	0.47	10.46	0.89
East_Reach	168.1203	10-year flow	0.5	501.41	501.50	501.50	501.51	0.039674	1.07	0.47	10.46	0.89
East_Reach	168.1203	25-year flow	0.5	501.41	501.50	501.50	501.51	0.039674	1.07	0.47	10.46	0.89
East_Reach	168.1203	50-year flow	10.0	501.41	501.70	501.70	501.78	0.033085	2.23	4.49	28.93	1.00
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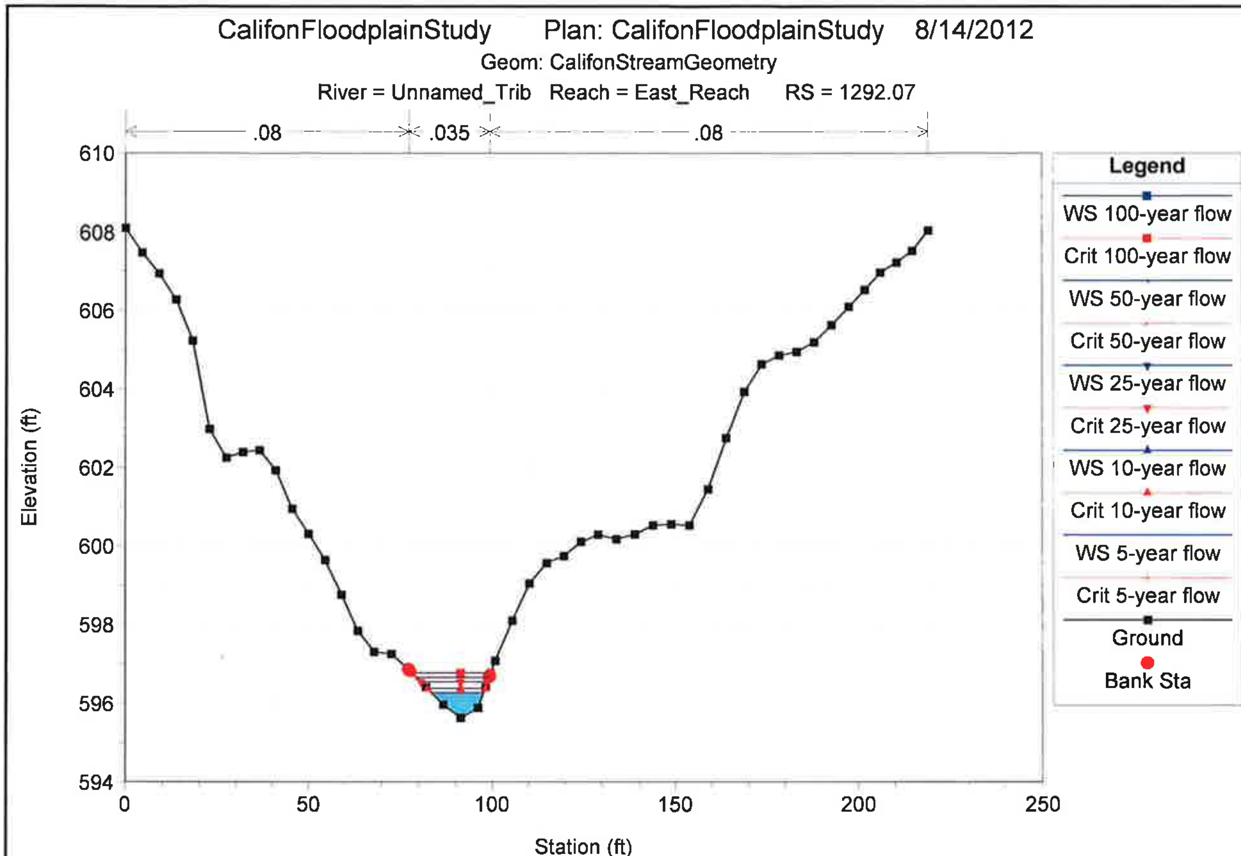
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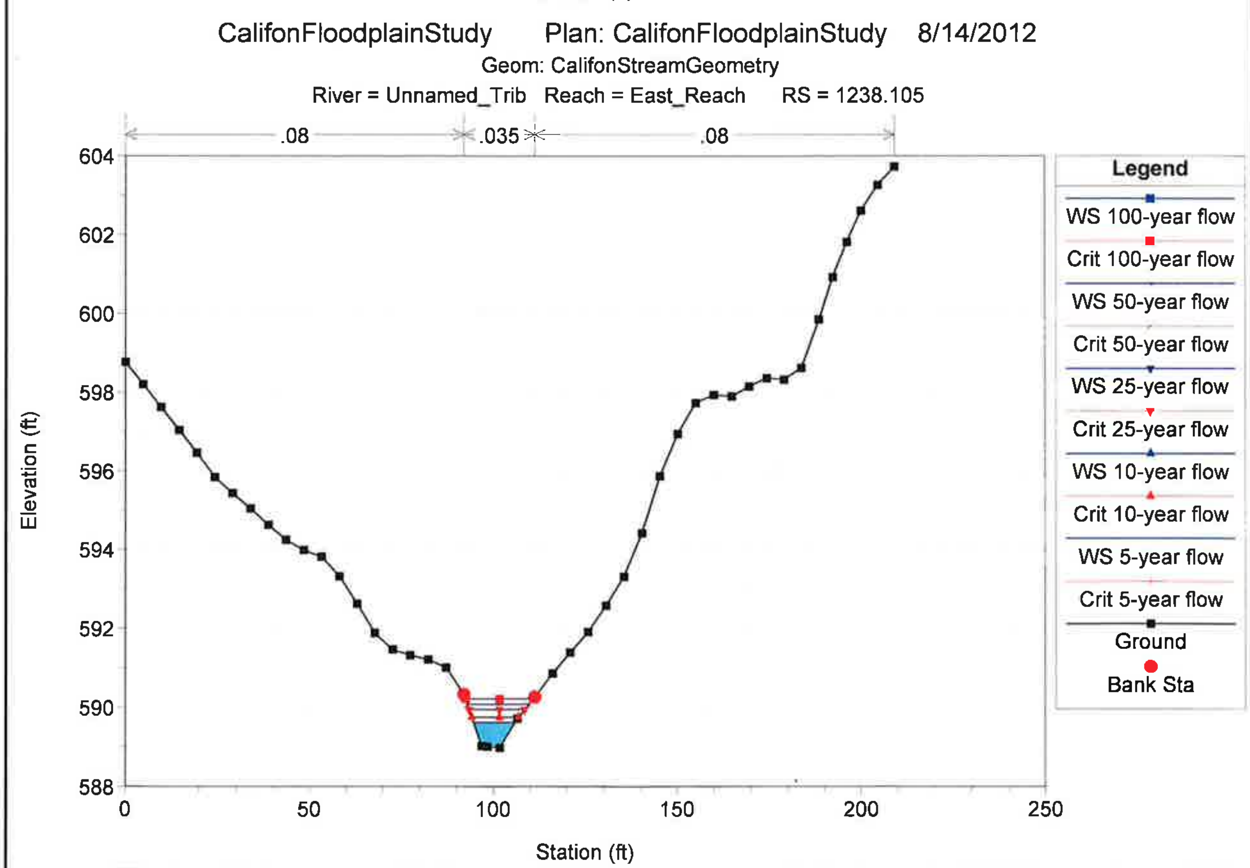
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta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Elevation (ft)
Station (ft)
Legend
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Crit 100-year flow
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Crit 10-year flow
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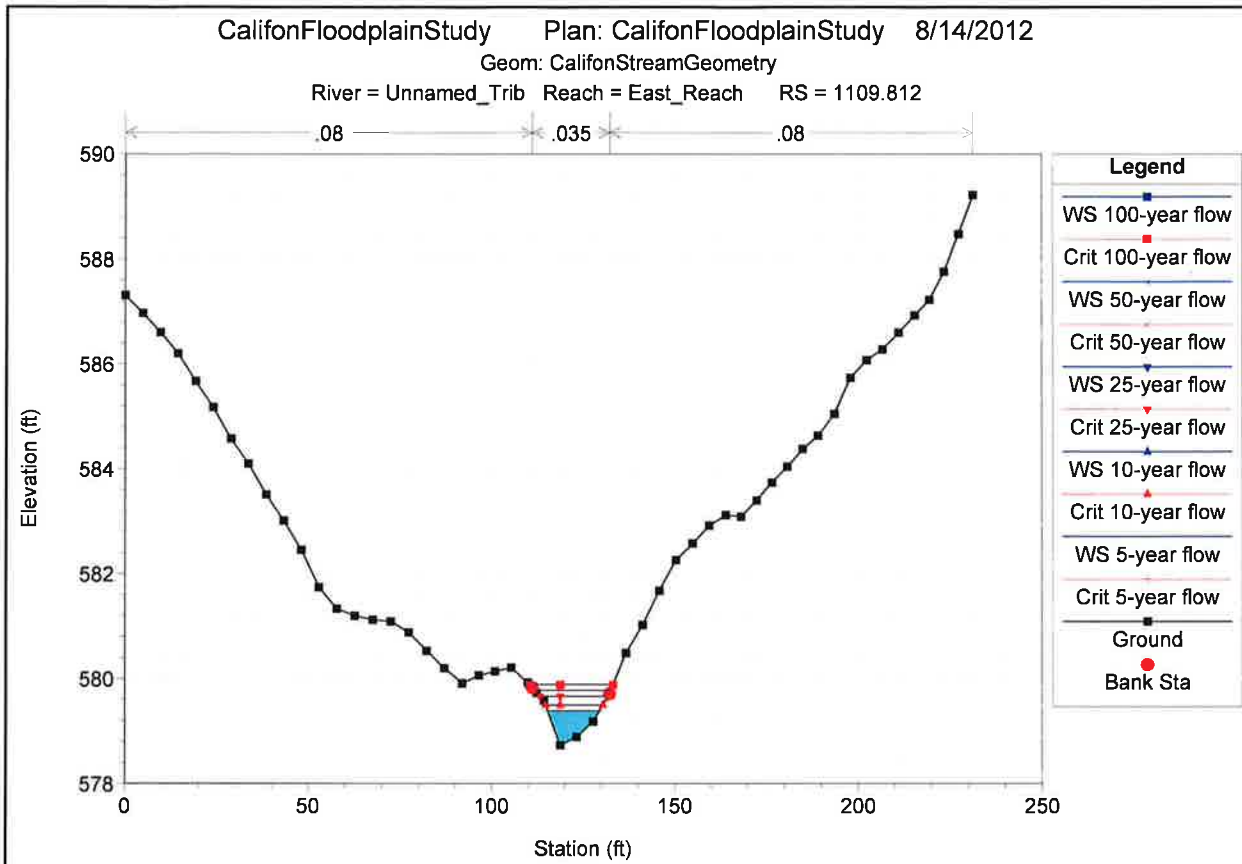
Crit 5-year flow
Ground
Bank Sta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Elevation (ft)
Station (ft)
Legend
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Crit 100-year flow
WS 50-year flow
Crit 50-year flow
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Crit 25-year flow
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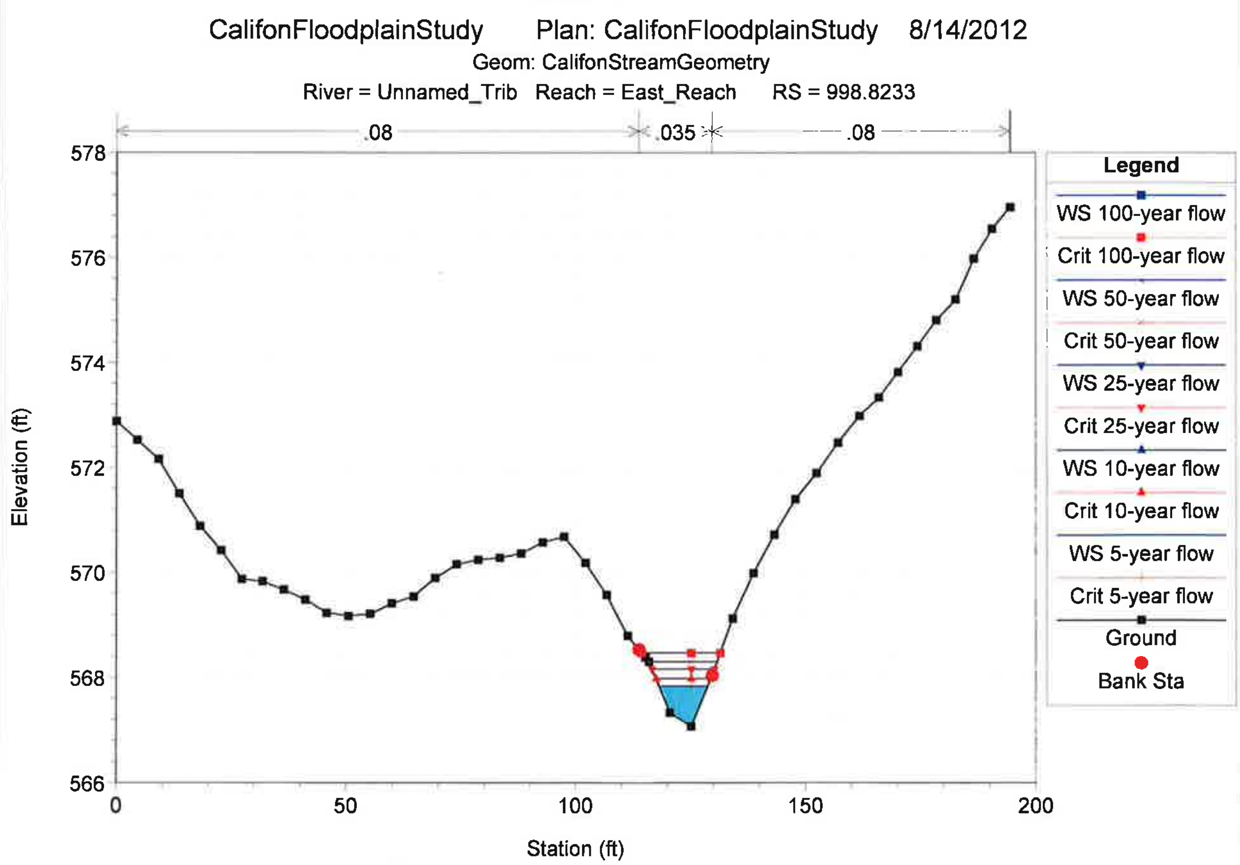
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta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Elevation (ft)
Station (ft)
Legend
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Crit 100-year flow
WS 50-year flow
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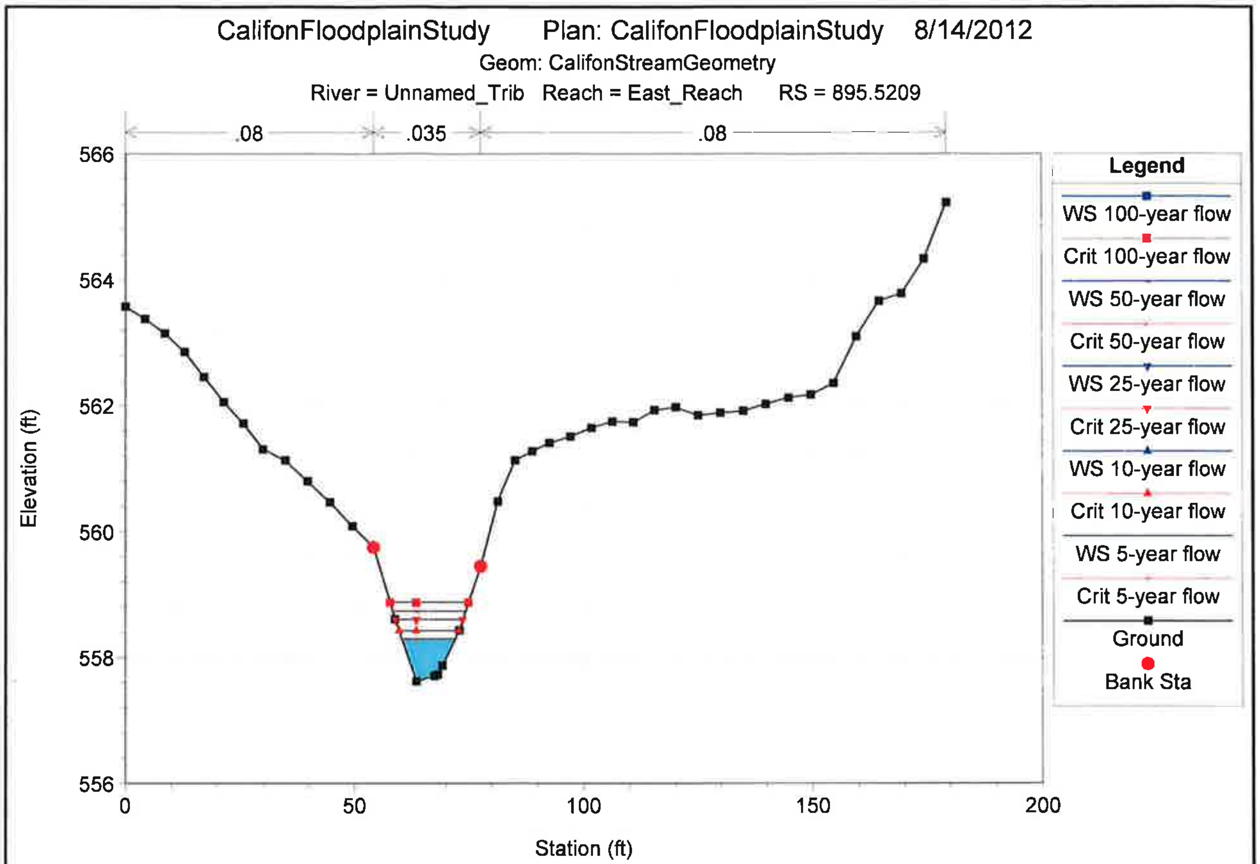
Crit 5-year flow
Ground
Bank Sta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Elevation (ft)
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150
200
Station (ft)
Legend
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Crit 100-year flow
WS 50-year flow
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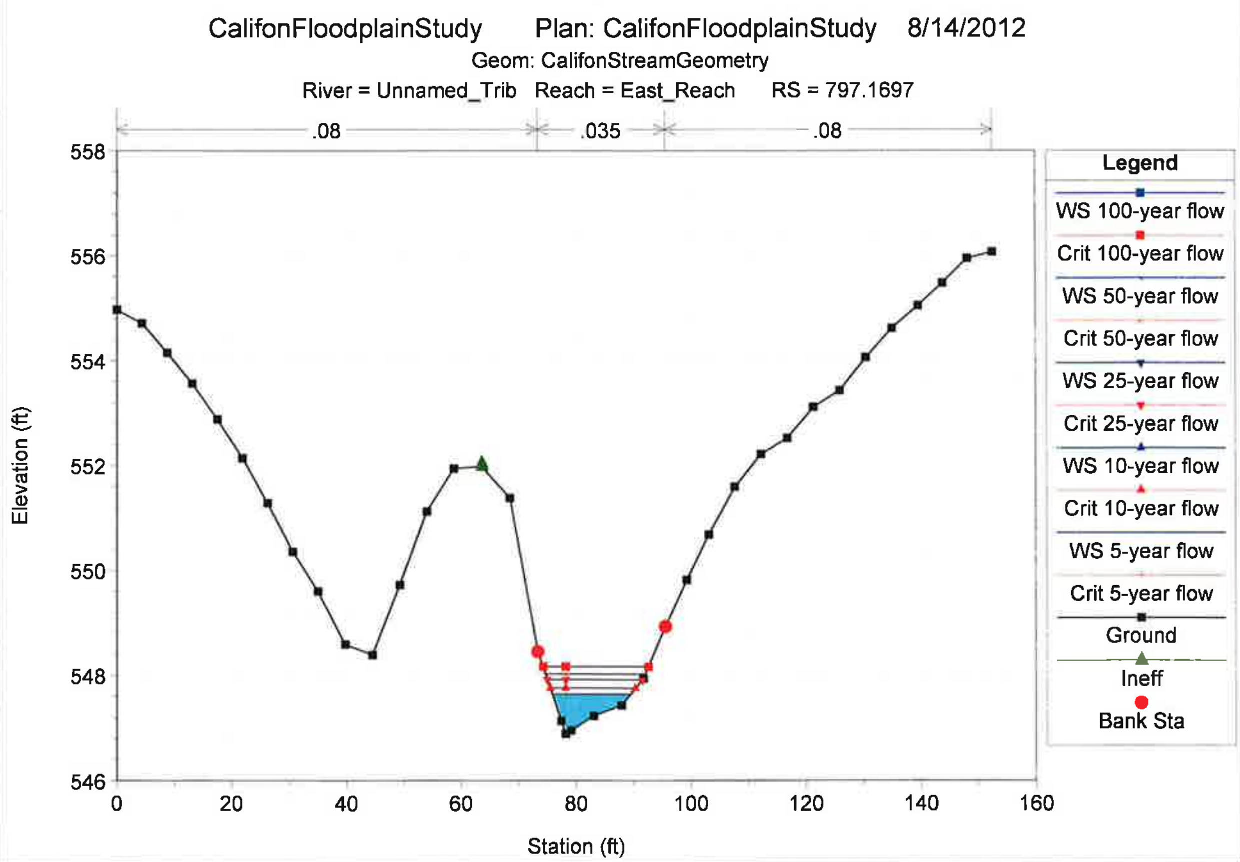
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta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Elevation (ft)
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548
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120
140
160
Station (ft)
Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
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WS 10-year flow
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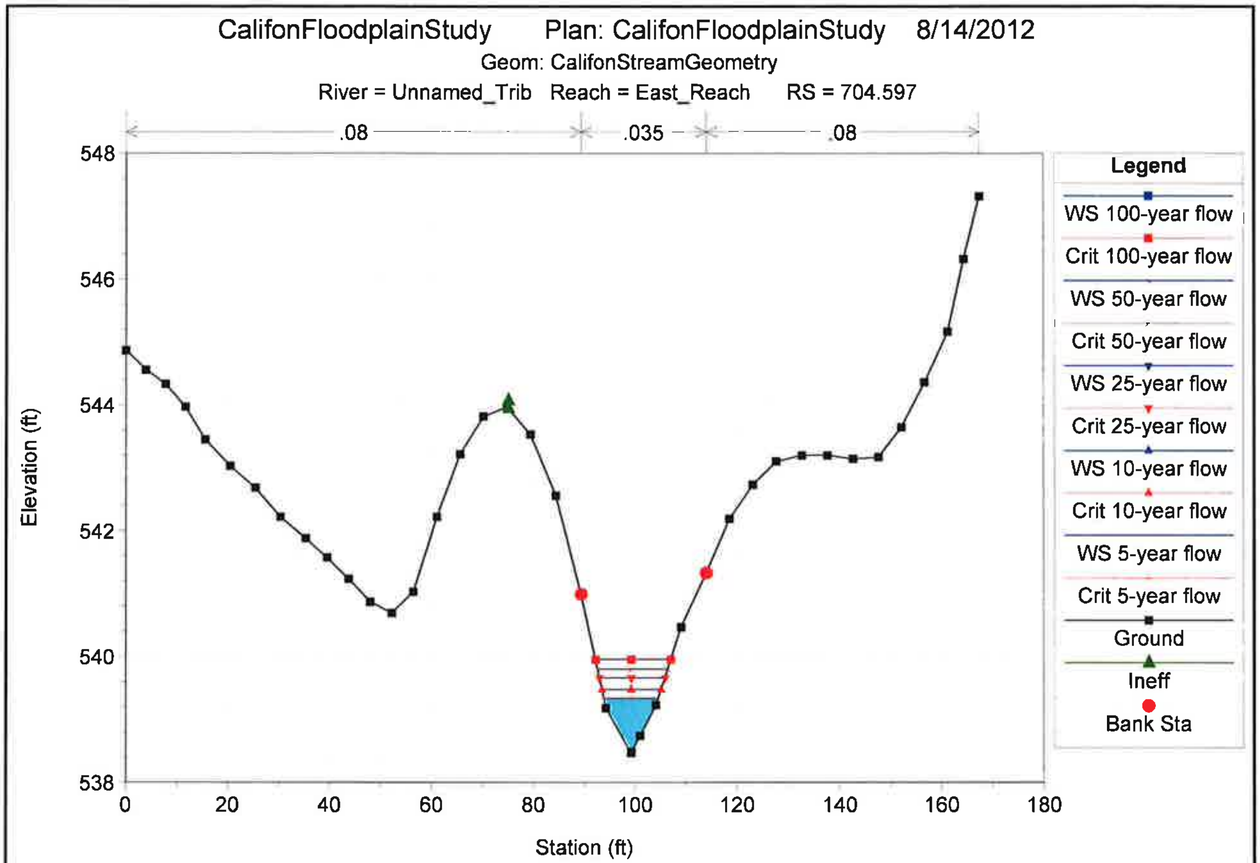
WS 5-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta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Legend
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Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta
Elevation (ft)
Station (ft)
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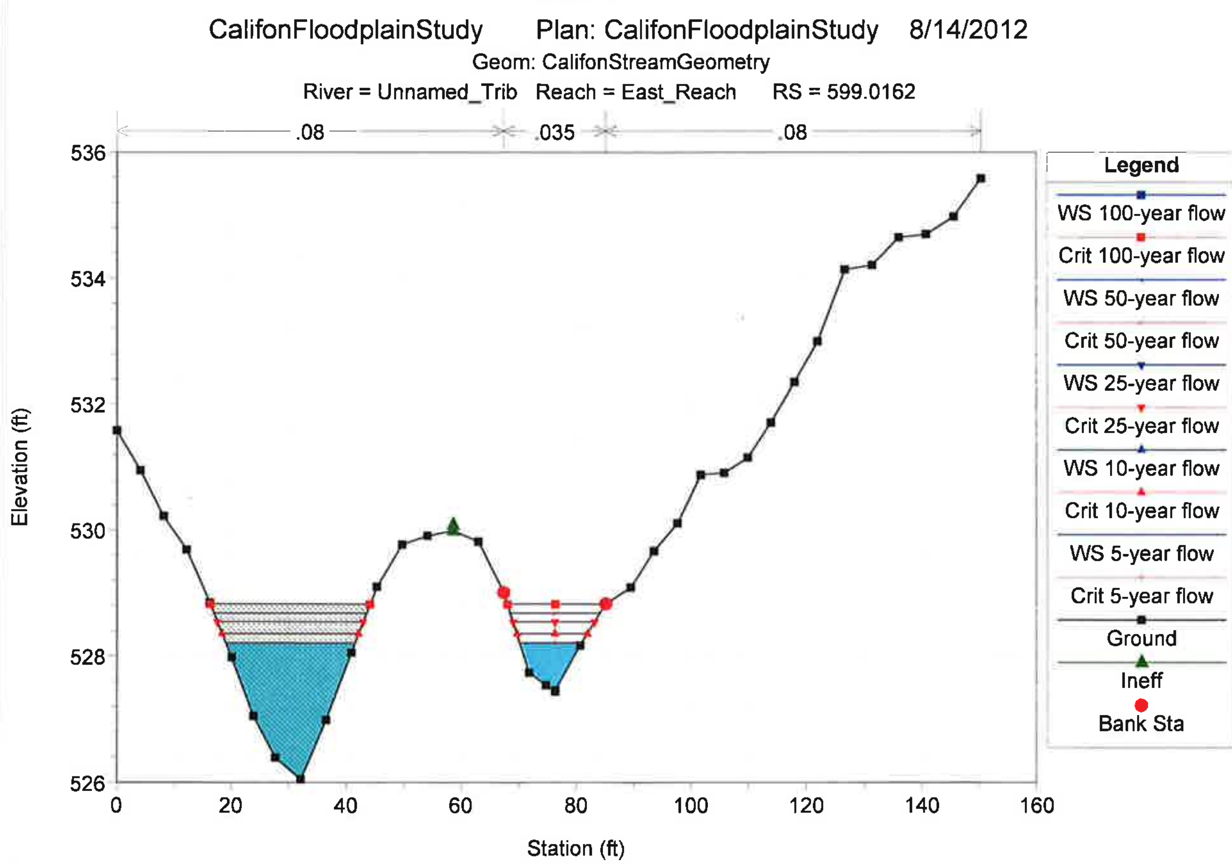
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WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta
Elevation (ft)
Station (ft)
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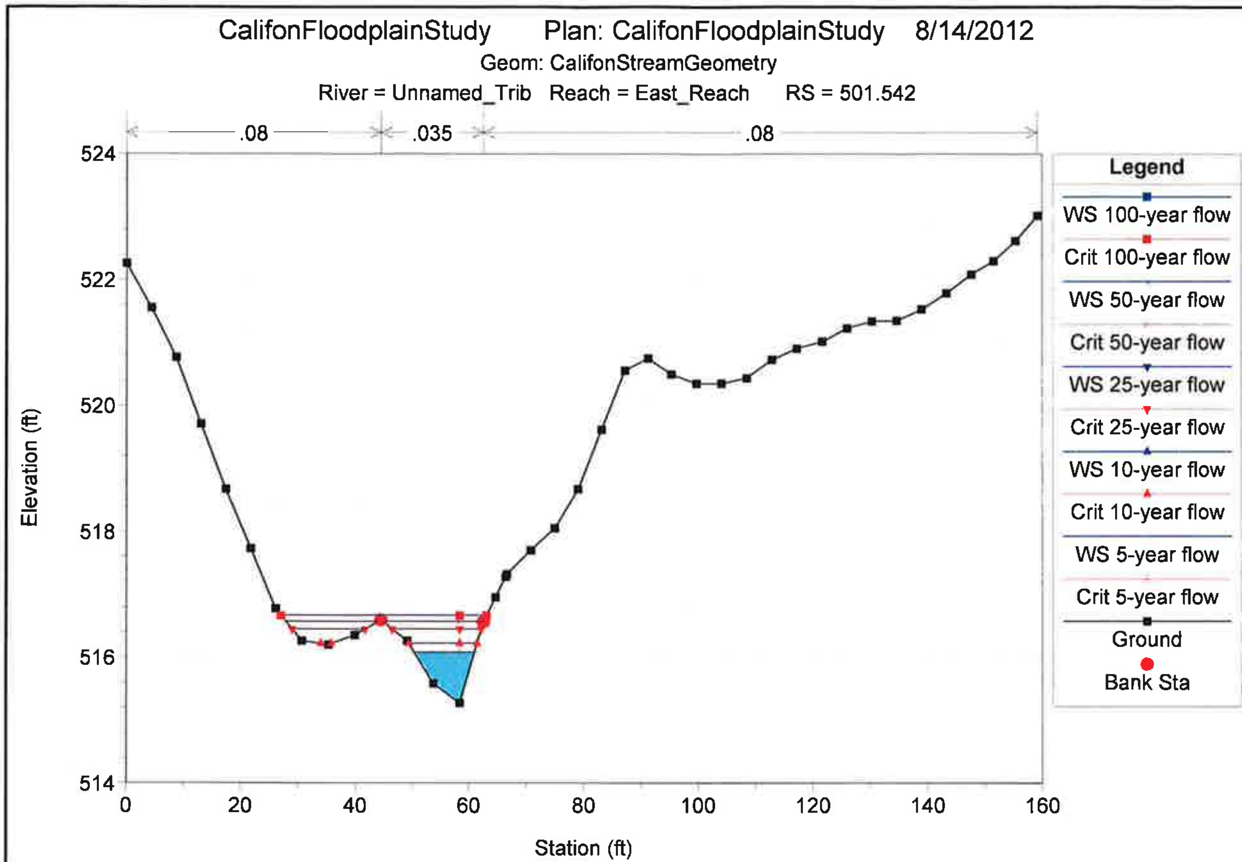
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.08
Elevation (ft)
Station (ft)
Legend
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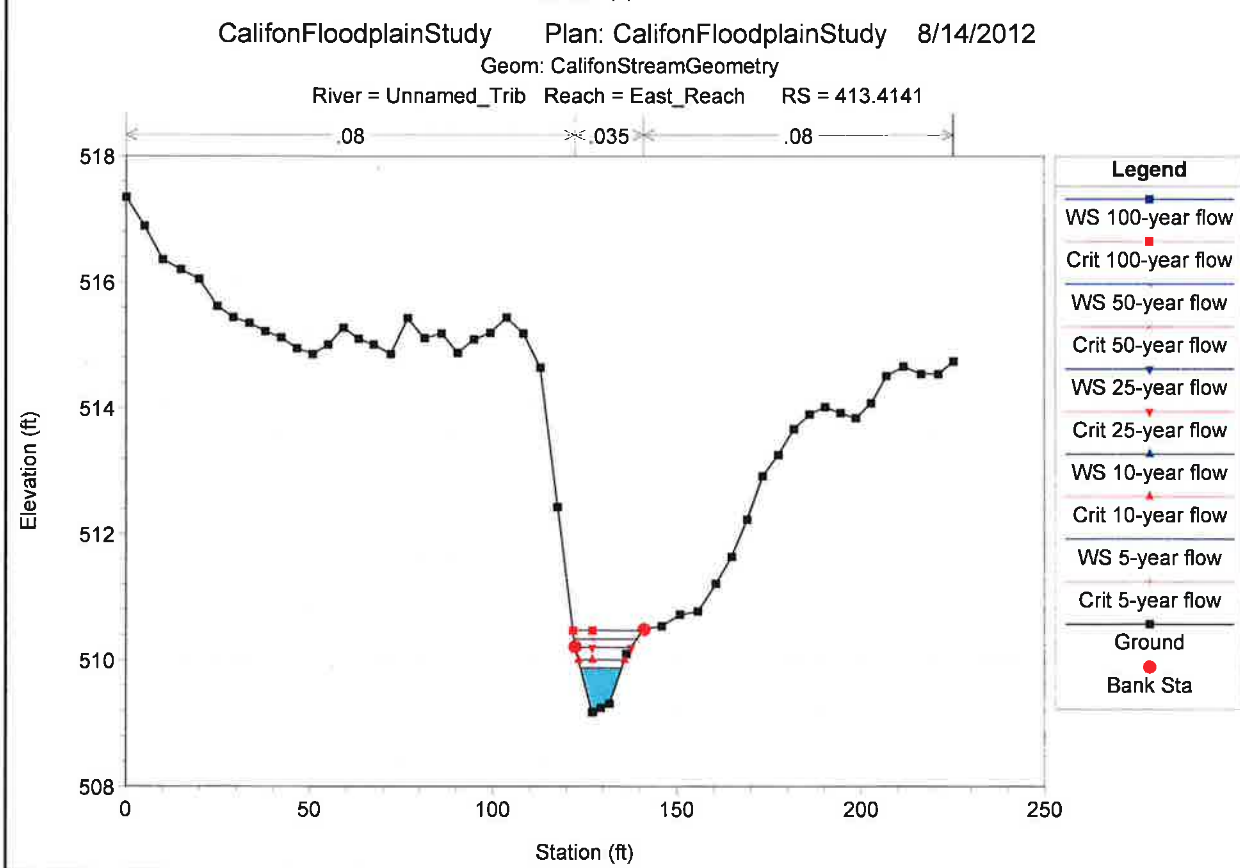
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = East_Reach RS = 413.4141
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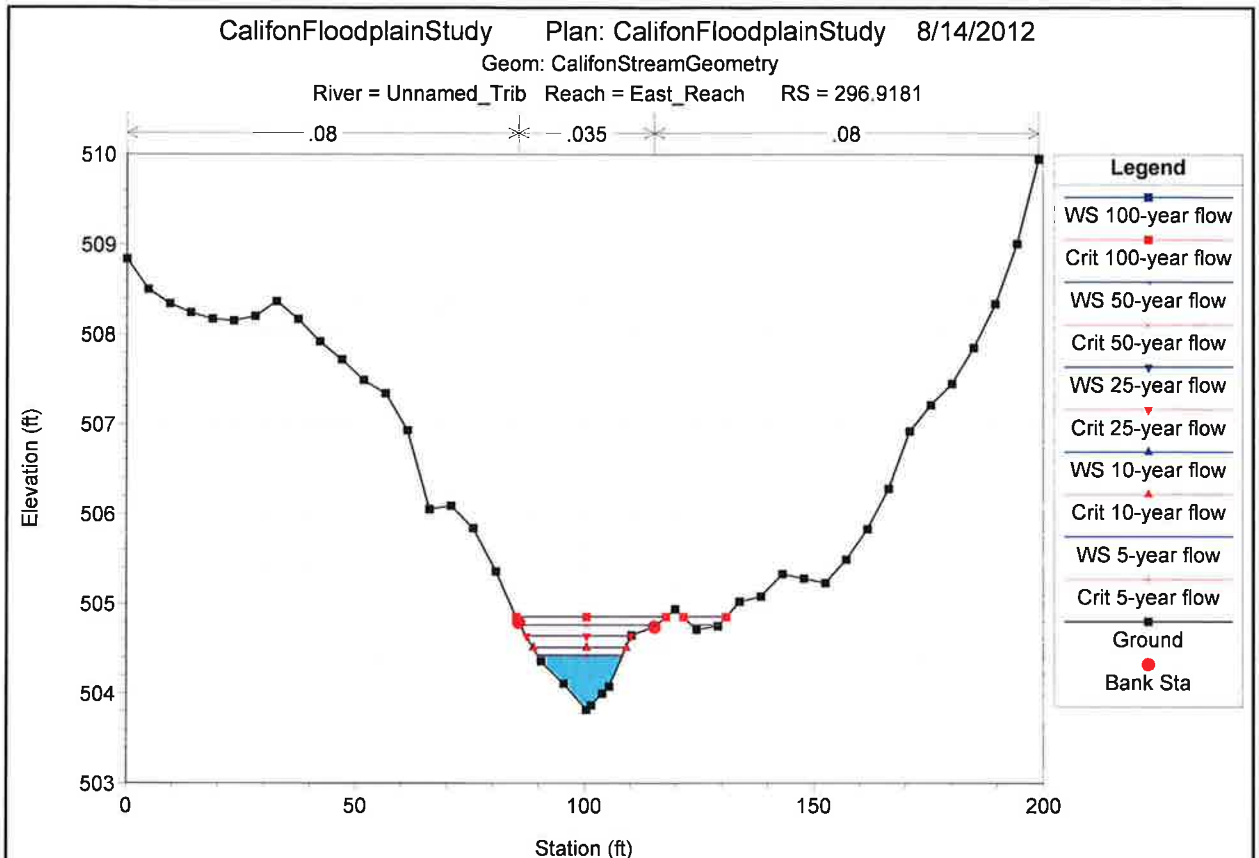
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = East_Reach RS = 296.9181
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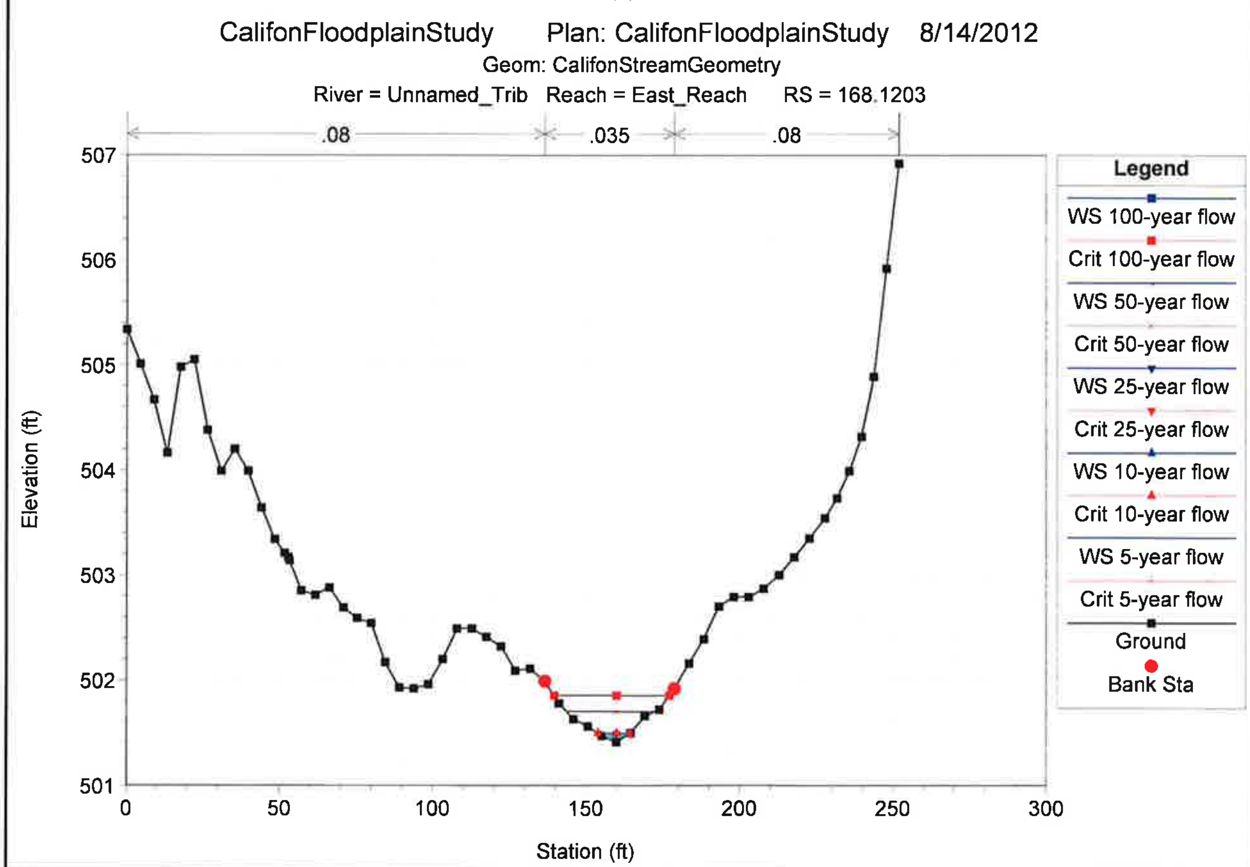
Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta
Elevation (ft)
Station (ft)
503
504
505
506
507
508
509
510
0
50
100
150
200


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = East_Reach RS = 168.1203
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Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta
Elevation (ft)
Station (ft)
501
502
503
504
505
506
507
0
50
100
150
200
250
300

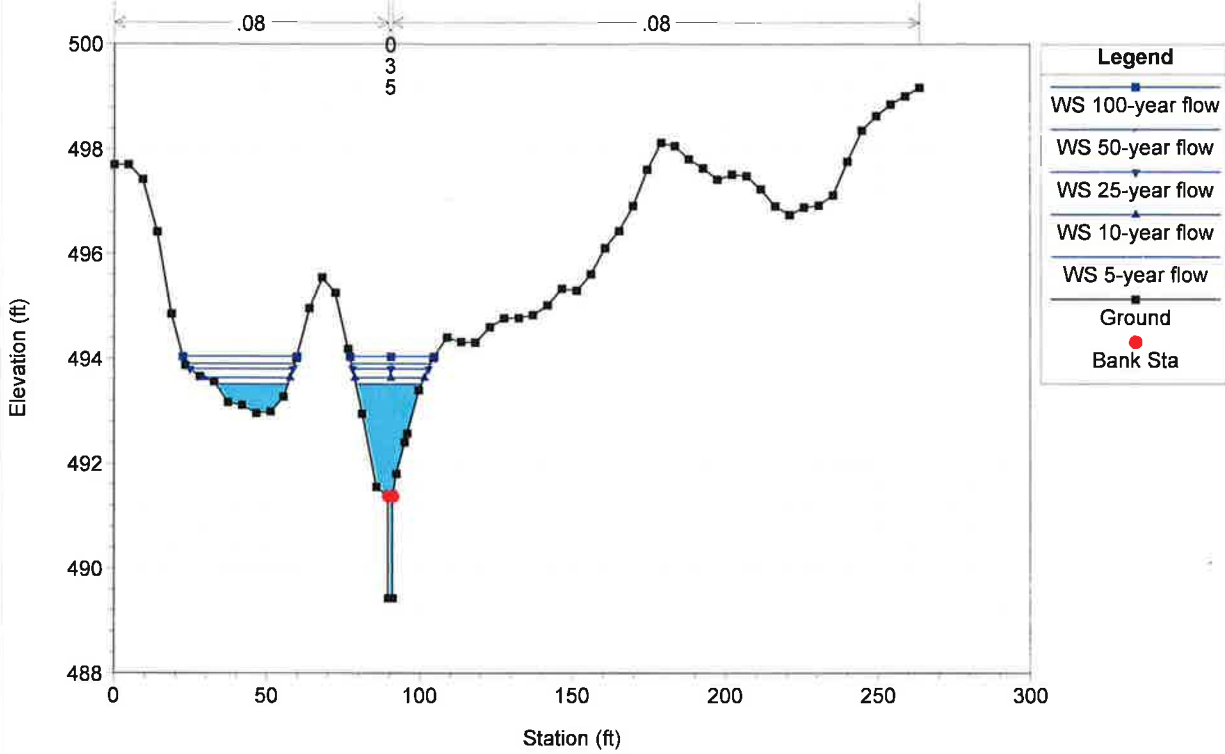
HEC-RAS Plan: Existing River: Unnamed_Trib Reach: Downstream_Reach

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Downstream_Reach	508.2322	5-year flow	88.0	489.43	493.51		493.66	0.010787	4.79	38.31	45.09	0.42
Downstream_Reach	508.2322	10-year flow	113.0	489.43	493.63		493.82	0.013632	5.50	44.17	51.19	0.47
Downstream_Reach	508.2322	25-year flow	155.0	489.43	493.80		494.04	0.017521	6.40	53.52	58.49	0.54
Downstream_Reach	508.2322	50-year flow	191.0	489.43	493.90		494.19	0.021255	7.15	59.48	61.80	0.60
Downstream_Reach	508.2322	100-year flow	246.0	489.43	494.04		494.38	0.025787	8.04	68.18	64.82	0.66
Downstream_Reach	493.9474	5-year flow	88.0	489.56	493.20	493.20	493.45	0.019814	5.91	37.61	70.48	0.55
Downstream_Reach	493.9474	10-year flow	113.0	489.56	493.30	493.30	493.57	0.022698	6.44	45.06	76.86	0.59
Downstream_Reach	493.9474	25-year flow	155.0	489.56	493.43	493.43	493.73	0.027357	7.23	55.15	83.63	0.65
Downstream_Reach	493.9474	50-year flow	191.0	489.56	493.58	493.58	493.86	0.026793	7.33	70.24	110.79	0.64
Downstream_Reach	493.9474	100-year flow	246.0	489.56	493.68	493.68	493.98	0.030448	7.95	81.95	115.93	0.69
Downstream_Reach	477.6732	5-year flow	88.0	489.15	492.18	492.18	492.40	0.025769	5.96	41.78	100.91	0.60
Downstream_Reach	477.6732	10-year flow	113.0	489.15	492.27	492.27	492.48	0.026205	6.13	51.29	111.26	0.61
Downstream_Reach	477.6732	25-year flow	155.0	489.15	492.41	492.41	492.59	0.026150	6.30	67.19	120.71	0.62
Downstream_Reach	477.6732	50-year flow	191.0	489.15	492.43	492.43	492.68	0.036592	7.48	69.19	121.12	0.73
Downstream_Reach	477.6732	100-year flow	246.0	489.15	492.55	492.55	492.79	0.033867	7.38	84.98	124.22	0.71
Downstream_Reach	428.4629	5-year flow	88.0	486.65	490.14		490.31	0.023848	5.40	41.41	92.39	0.51
Downstream_Reach	428.4629	10-year flow	113.0	486.65	490.21	490.19	490.40	0.027903	5.92	48.34	99.90	0.55
Downstream_Reach	428.4629	25-year flow	155.0	486.65	490.44		490.56	0.019703	5.18	73.83	121.54	0.47
Downstream_Reach	428.4629	50-year flow	191.0	486.65	490.61		490.70	0.015002	4.66	95.40	129.74	0.41
Downstream_Reach	428.4629	100-year flow	246.0	486.65	490.77		490.86	0.014148	4.65	117.39	139.50	0.40
Downstream_Reach	389.8977	5-year flow	88.0	485.10	489.15	489.15	489.40	0.017875	5.40	39.54	84.16	0.49
Downstream_Reach	389.8977	10-year flow	113.0	485.10	489.30	489.30	489.50	0.015829	5.22	54.07	99.72	0.47
Downstream_Reach	389.8977	25-year flow	155.0	485.10	489.40	489.40	489.64	0.020055	5.98	64.38	104.18	0.53
Downstream_Reach	389.8977	50-year flow	191.0	485.10	489.43	489.43	489.74	0.027674	7.05	67.08	105.55	0.62
Downstream_Reach	389.8977	100-year flow	246.0	485.10	489.54	489.54	489.88	0.031384	7.64	78.67	111.40	0.66
Downstream_Reach	287.04		Culvert									
Downstream_Reach	184.1871	5-year flow	88.0	480.76	483.94	483.25	484.31	0.006910	4.90	18.68	11.63	0.60
Downstream_Reach	184.1871	10-year flow	113.0	480.76	484.27	483.56	484.71	0.006923	5.34	22.85	14.17	0.61
Downstream_Reach	184.1871	25-year flow	155.0	480.76	484.70	484.09	485.25	0.007287	6.10	28.32	17.44	0.64
Downstream_Reach	184.1871	50-year flow	191.0	480.76	485.01	484.42	485.65	0.007409	6.61	35.60	19.91	0.66
Downstream_Reach	184.1871	100-year flow	246.0	480.76	485.44	484.84	486.19	0.007517	7.25	44.88	23.53	0.68
Downstream_Reach	164.443	5-year flow	88.0	480.60	483.87		484.15	0.004755	4.29	23.22	15.84	0.53
Downstream_Reach	164.443	10-year flow	113.0	480.60	484.23		484.54	0.004382	4.59	29.22	17.76	0.53
Downstream_Reach	164.443	25-year flow	155.0	480.60	484.67		485.06	0.004507	5.21	37.59	21.74	0.55
Downstream_Reach	164.443	50-year flow	191.0	480.60	484.99		485.45	0.004617	5.67	45.80	28.73	0.57
Downstream_Reach	164.443	100-year flow	246.0	480.60	485.43	484.49	485.97	0.004613	6.20	61.16	45.10	0.58
Downstream_Reach	135.2617	5-year flow	88.0	480.40	483.84		483.99	0.003294	3.09	28.48	18.06	0.43
Downstream_Reach	135.2617	10-year flow	113.0	480.40	484.23		484.38	0.003033	3.13	36.14	21.39	0.42
Downstream_Reach	135.2617	25-year flow	155.0	480.40	484.73		484.89	0.002518	3.20	53.90	43.52	0.40
Downstream_Reach	135.2617	50-year flow	191.0	480.40	485.11		485.27	0.002080	3.21	71.89	51.78	0.37
Downstream_Reach	135.2617	100-year flow	246.0	480.40	485.63		485.77	0.001609	3.22	101.71	64.51	0.34
Downstream_Reach	134.7241	5-year flow	88.0	478.60	482.06	482.06	482.96	0.024804	7.65	12.00	7.87	0.97
Downstream_Reach	134.7241	10-year flow	113.0	478.60	482.45	482.45	483.44	0.021770	8.08	15.40	9.85	0.93
Downstream_Reach	134.7241	25-year flow	155.0	478.60	483.79		484.34	0.007280	6.33	33.66	17.71	0.58
Downstream_Reach	134.7241	50-year flow	191.0	478.60	484.15	483.41	484.78	0.007529	6.85	40.57	20.56	0.60
Downstream_Reach	134.7241	100-year flow	246.0	478.60	484.40	483.94	485.30	0.010140	8.27	46.64	35.92	0.70
Downstream_Reach	116.8404	5-year flow	88.0	478.50	481.98		482.09	0.001409	2.93	45.19	28.85	0.31
Downstream_Reach	116.8404	10-year flow	113.0	478.50	482.76		482.85	0.000833	2.67	69.68	33.67	0.25
Downstream_Reach	116.8404	25-year flow	155.0	478.50	484.11		484.17	0.000415	2.34	120.44	41.63	0.19
Downstream_Reach	116.8404	50-year flow	191.0	478.50	484.52		484.59	0.000475	2.64	138.93	49.94	0.20
Downstream_Reach	116.8404	100-year flow	246.0	478.50	484.98		485.08	0.000571	3.06	164.30	61.03	0.23
Downstream_Reach	107.6303	5-year flow	88.0	478.36	481.88	480.12	482.06	0.002637	3.38	26.20	10.04	0.34
Downstream_Reach	107.6303	10-year flow	113.0	478.36	482.63	480.42	482.81	0.002079	3.46	34.41	15.26	0.31
Downstream_Reach	107.6303	25-year flow	155.0	478.36	483.99	480.89	484.14	0.001216	3.23	62.96	24.44	0.25
Downstream_Reach	107.6303	50-year flow	191.0	478.36	484.37	481.25	484.55	0.001360	3.61	72.77	26.91	0.27
Downstream_Reach	107.6303	100-year flow	246.0	478.36	484.79	481.76	485.02	0.001706	4.21	84.64	31.02	0.30
Downstream_Reach	89.2		Culvert									
Downstream_Reach	70.8049	5-year flow	88.0	477.20	481.22	479.01	481.35	0.001484	2.87	30.89	9.24	0.27
Downstream_Reach	70.8049	10-year flow	113.0	477.20	481.42	479.32	481.61	0.002030	3.48	32.75	10.58	0.32
Downstream_Reach	70.8049	25-year flow	155.0	477.20	481.64	479.78	481.95	0.003160	4.51	34.76	13.50	0.40
Downstream_Reach	70.8049	50-year flow	191.0	477.20	481.67	480.13	482.14	0.004690	5.51	35.01	13.87	0.49
Downstream_Reach	70.8049	100-year flow	246.0	477.20	481.77	480.62	482.51	0.007127	6.92	35.98	15.74	0.61
Downstream_Reach	56.47157	5-year flow	88.0	477.00	480.61	480.61	481.17	0.014680	6.42	20.71	27.26	0.72
Downstream_Reach	56.47157	10-year flow	113.0	477.00	480.87	480.87	481.44	0.014123	6.74	29.17	35.53	0.72
Downstream_Reach	56.47157	25-year flow	155.0	477.00	481.20	481.20	481.79	0.014089	7.27	43.15	51.99	0.73
Downstream_Reach	56.47157	50-year flow	191.0	477.00	481.60	481.60	482.02	0.010065	6.67	69.61	79.25	0.63
Downstream_Reach	56.47157	100-year flow	246.0	477.00	481.82	481.82	482.23	0.010132	6.97	87.56	82.85	0.64
Downstream_Reach	19.15813	5-year flow	88.0	476.90	480.39	479.58	480.55	0.002710	3.45	39.40	39.61	0.41
Downstream_Reach	19.15813	10-year flow	113.0	476.90	480.67	479.88	480.85	0.002710	3.74	51.61	49.85	0.42
Downstream_Reach	19.15813	25-year flow	155.0	476.90	481.04	480.23	481.24	0.002715	4.10	73.22	65.36	0.43

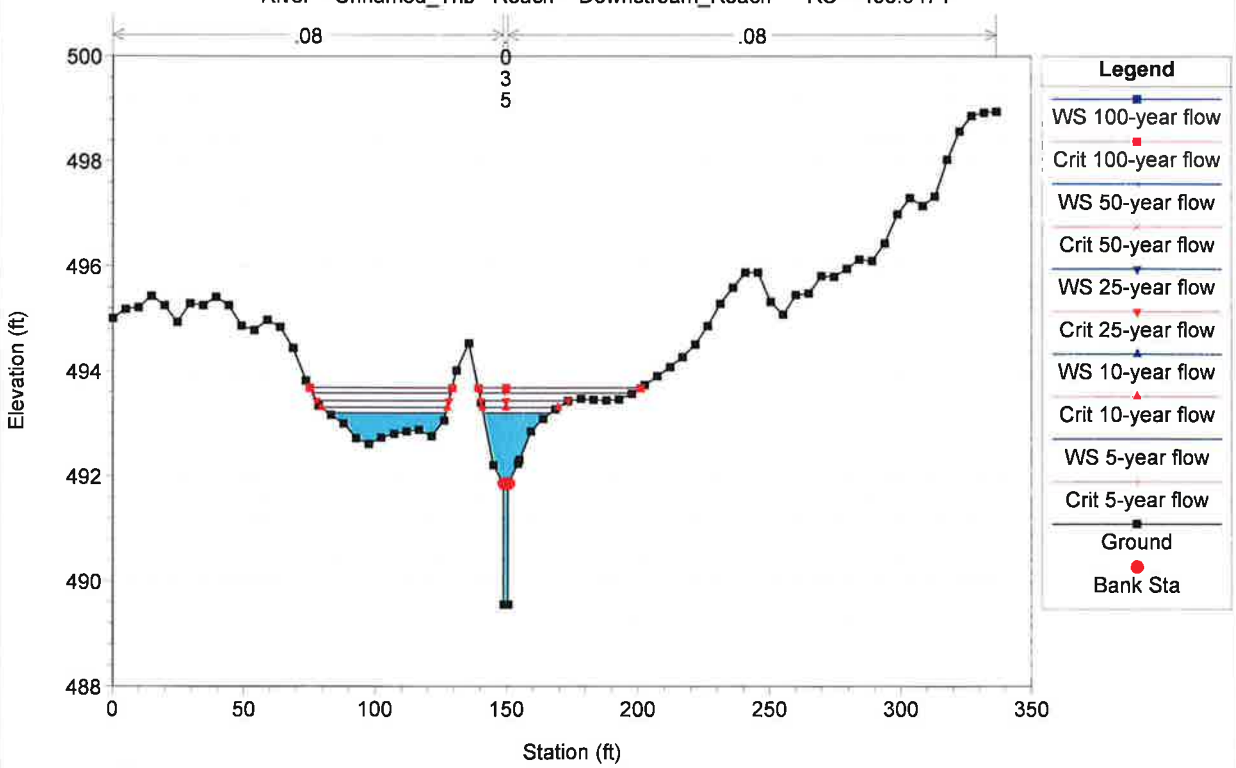
HEC-RAS Plan: Existing River: Unnamed_Trib Reach: Downstream_Reach (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Downstream_Reach	19.15813	50-year flow	191.0	476.90	481.28	480.46	481.49	0.002713	4.33	92.73	89.19	0.43
Downstream_Reach	19.15813	100-year flow	246.0	476.90	481.62	480.74	481.84	0.002712	4.64	124.15	99.04	0.44

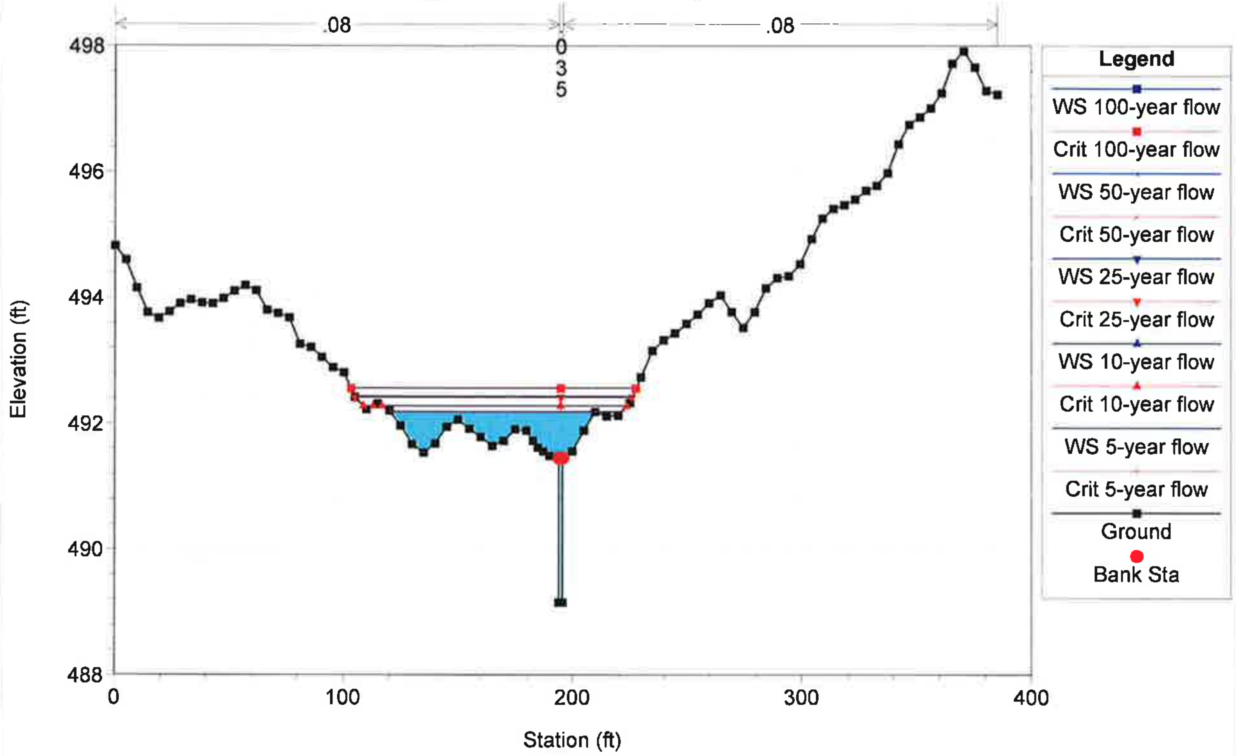
CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 508.2322



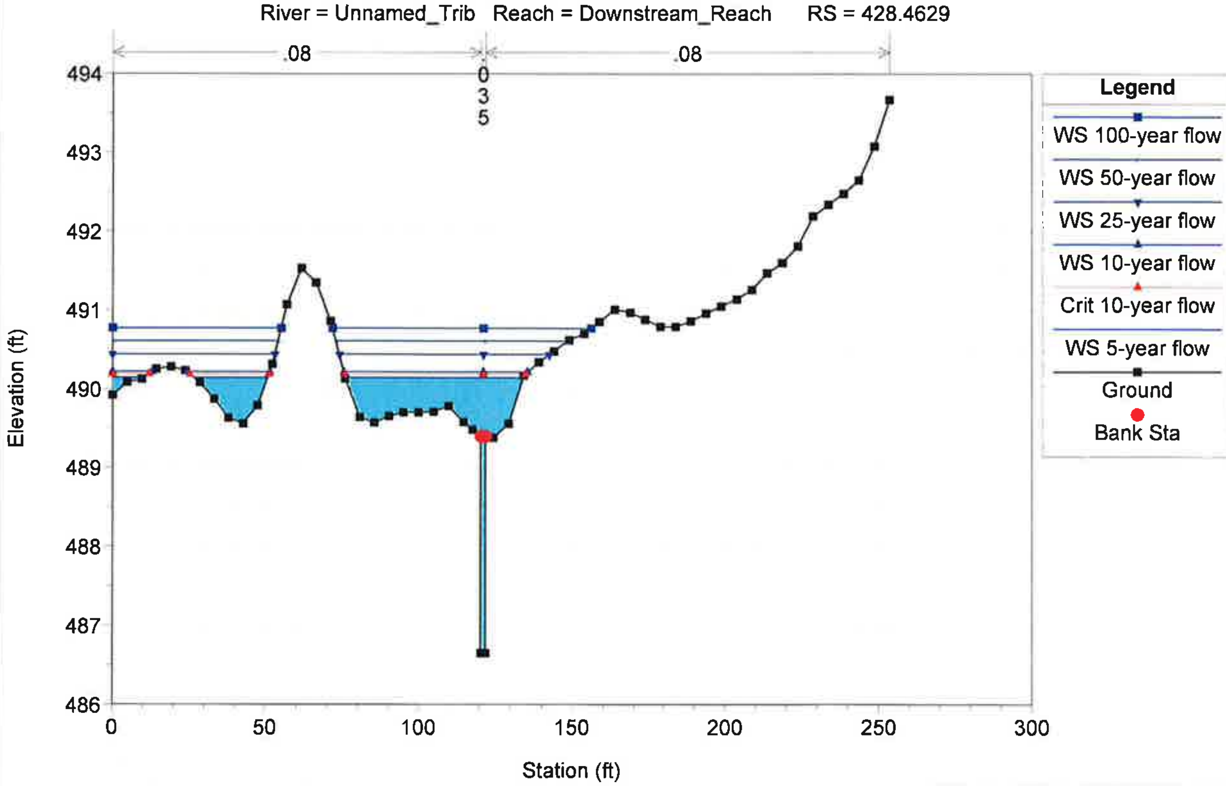
CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 493.9474

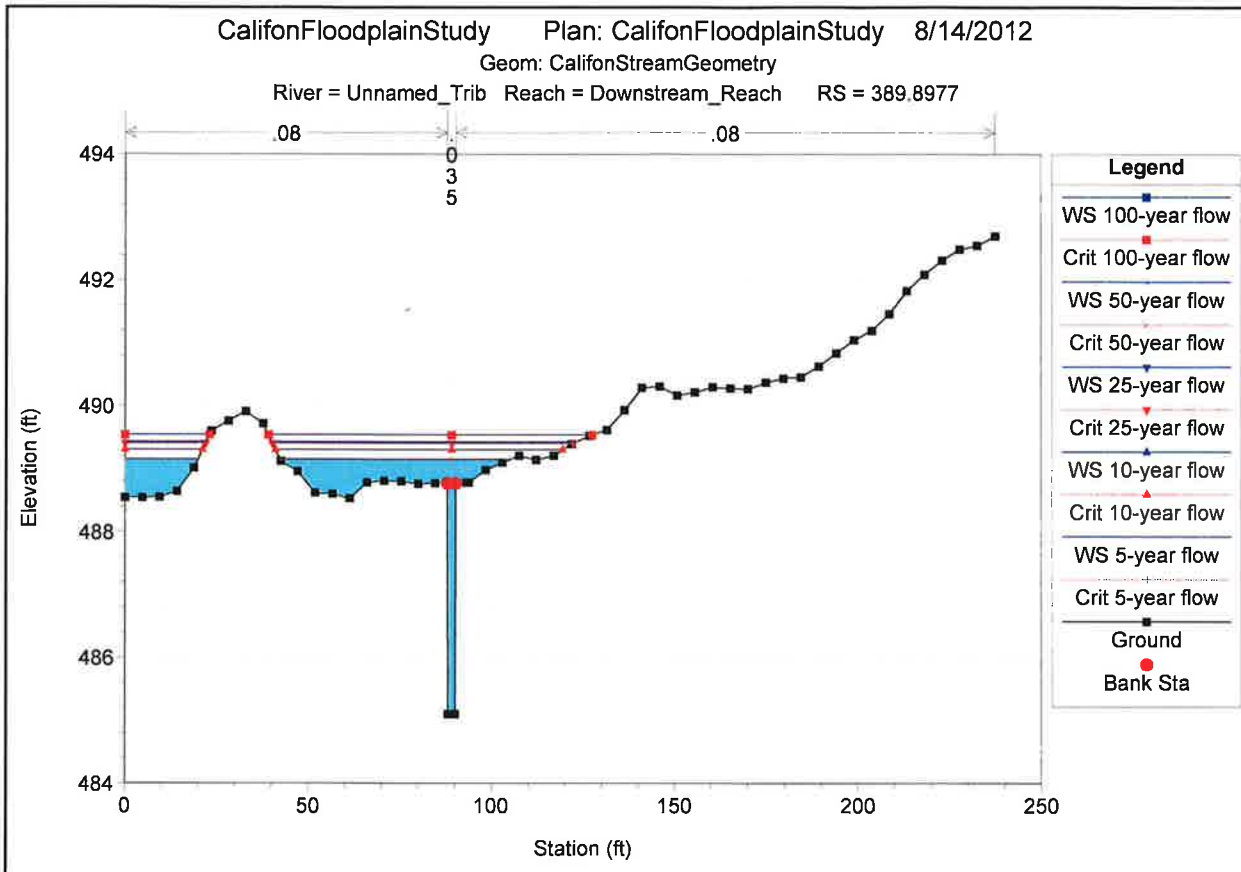


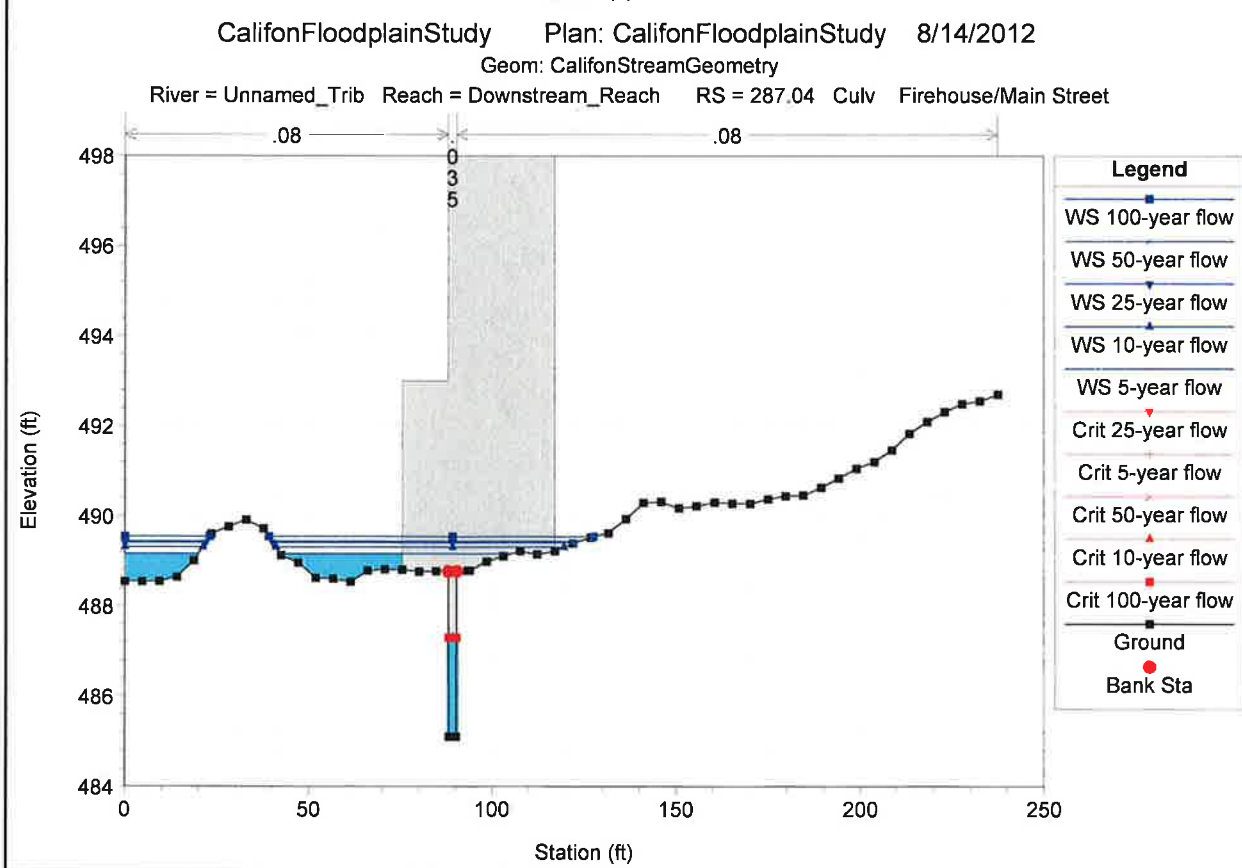
CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 477.6732

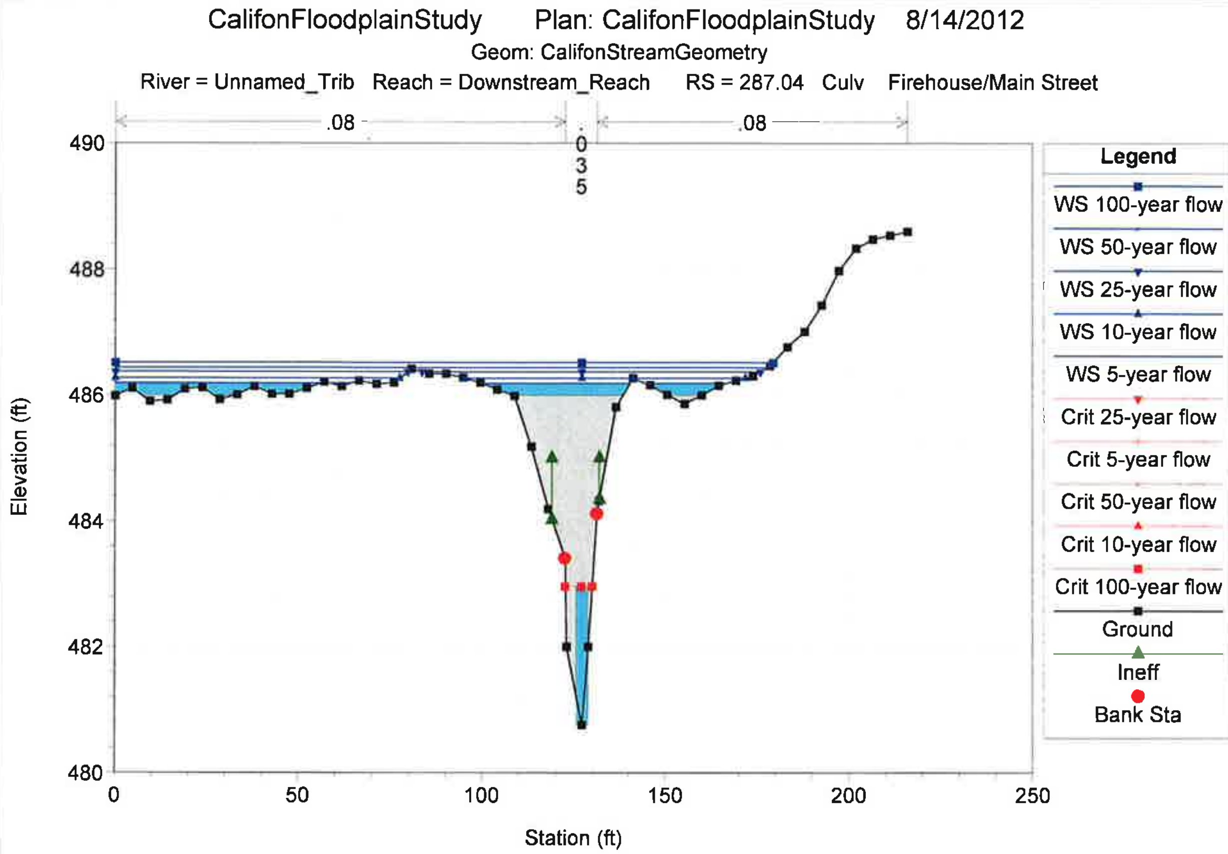


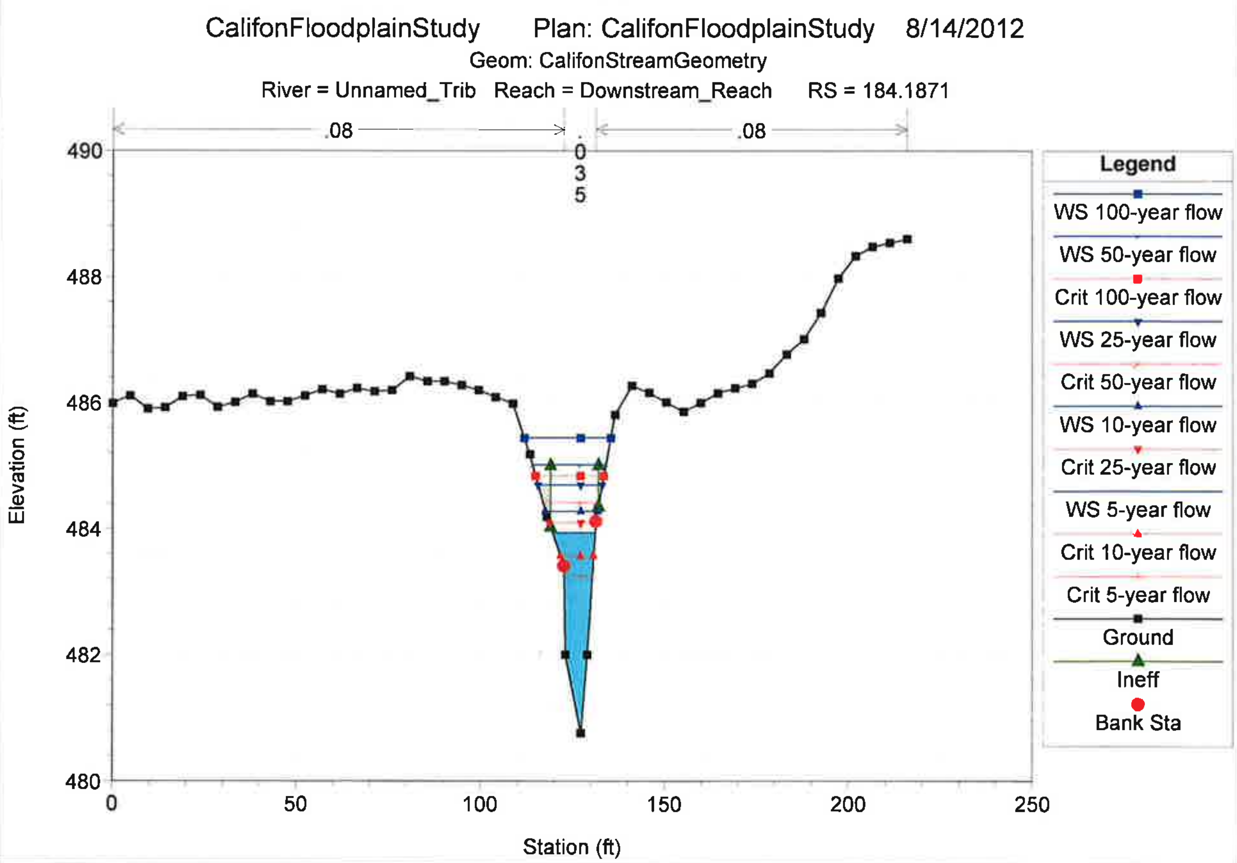
CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 428.4629




CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 389.8977
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 287.04 Culv Firehouse/Main Street
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
WS 10-year flow
WS 5-year flow
Crit 25-year flow
Crit 5-year flow
Crit 50-year flow
Crit 10-year flow
Crit 100-year flow
Ground
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 287.04 Culv Firehouse/Main Street
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
WS 10-year flow
WS 5-year flow
Crit 25-year flow
Crit 5-year flow
Crit 50-year flow
Crit 10-year flow
Crit 100-year flow
Ground
Ineff
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 184.1871
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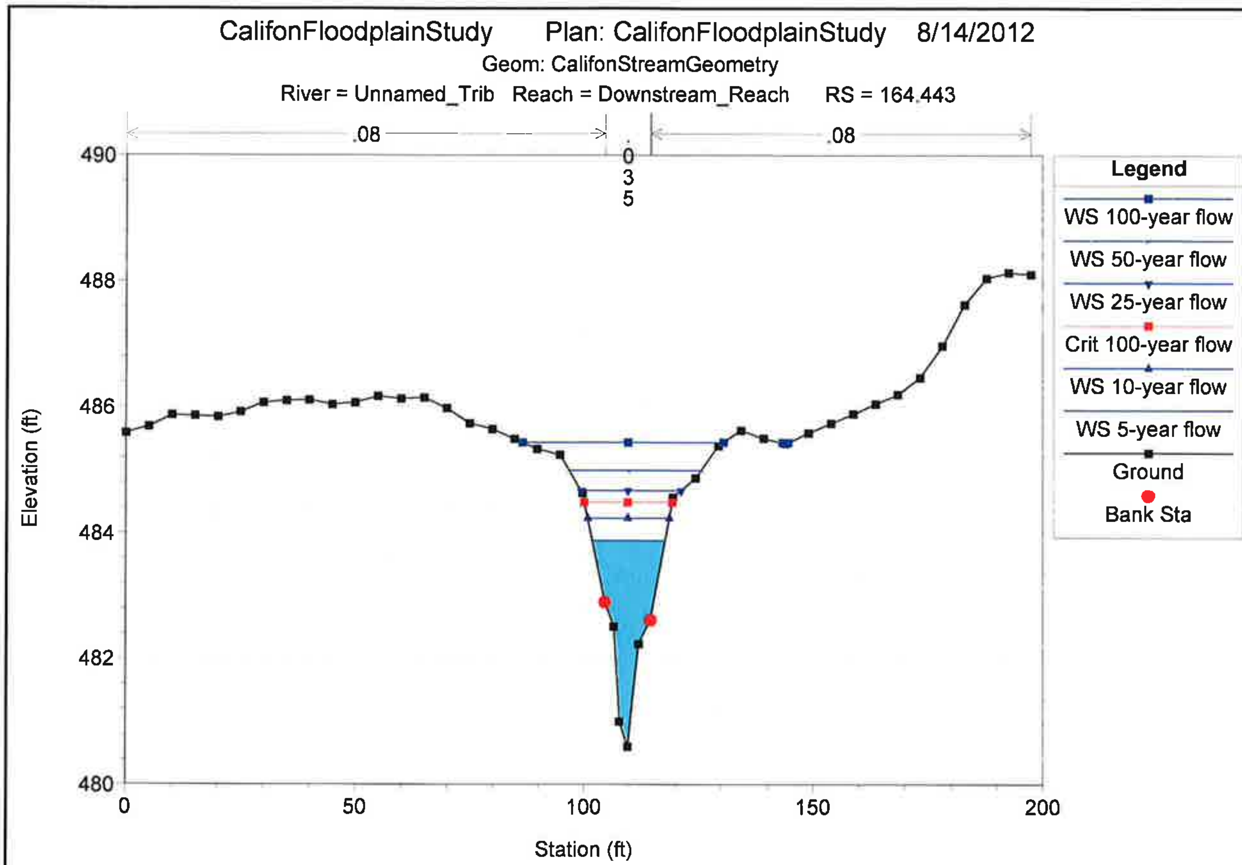
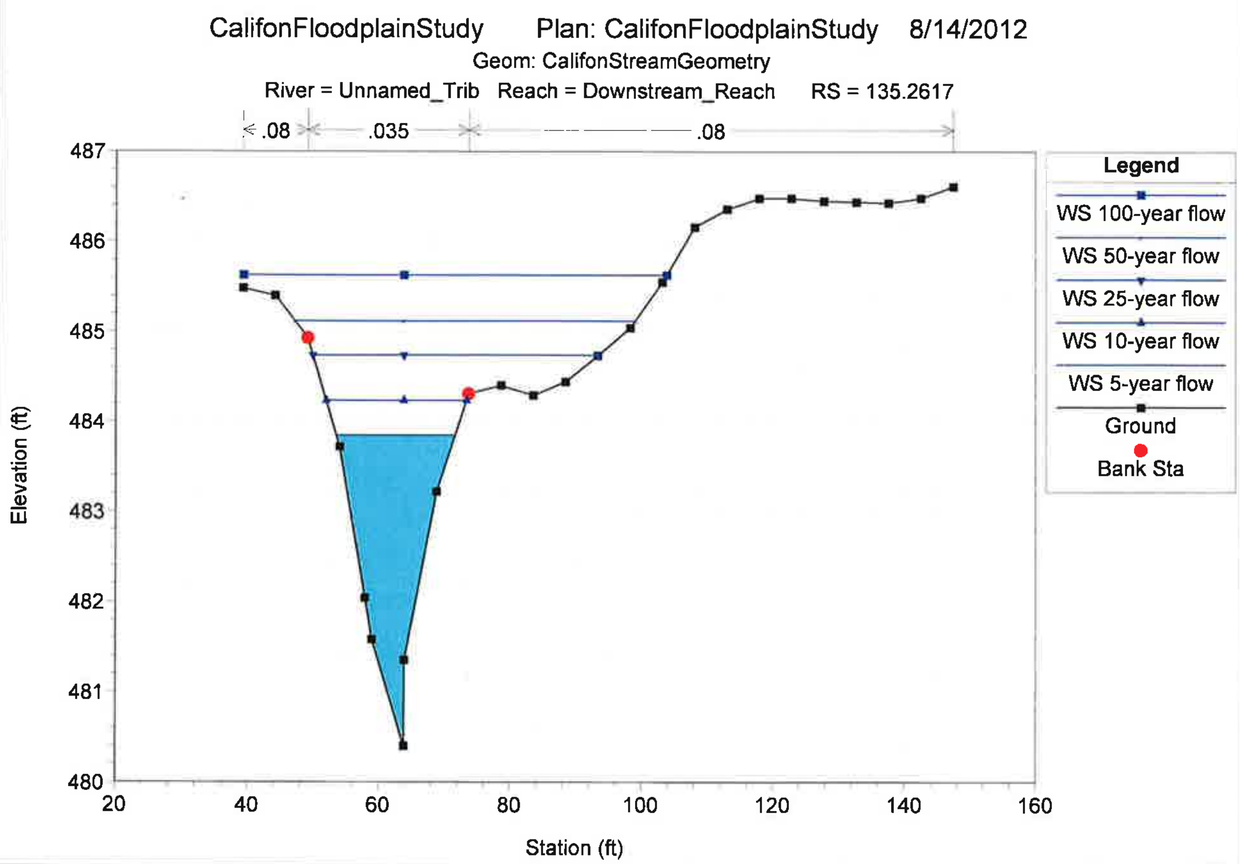
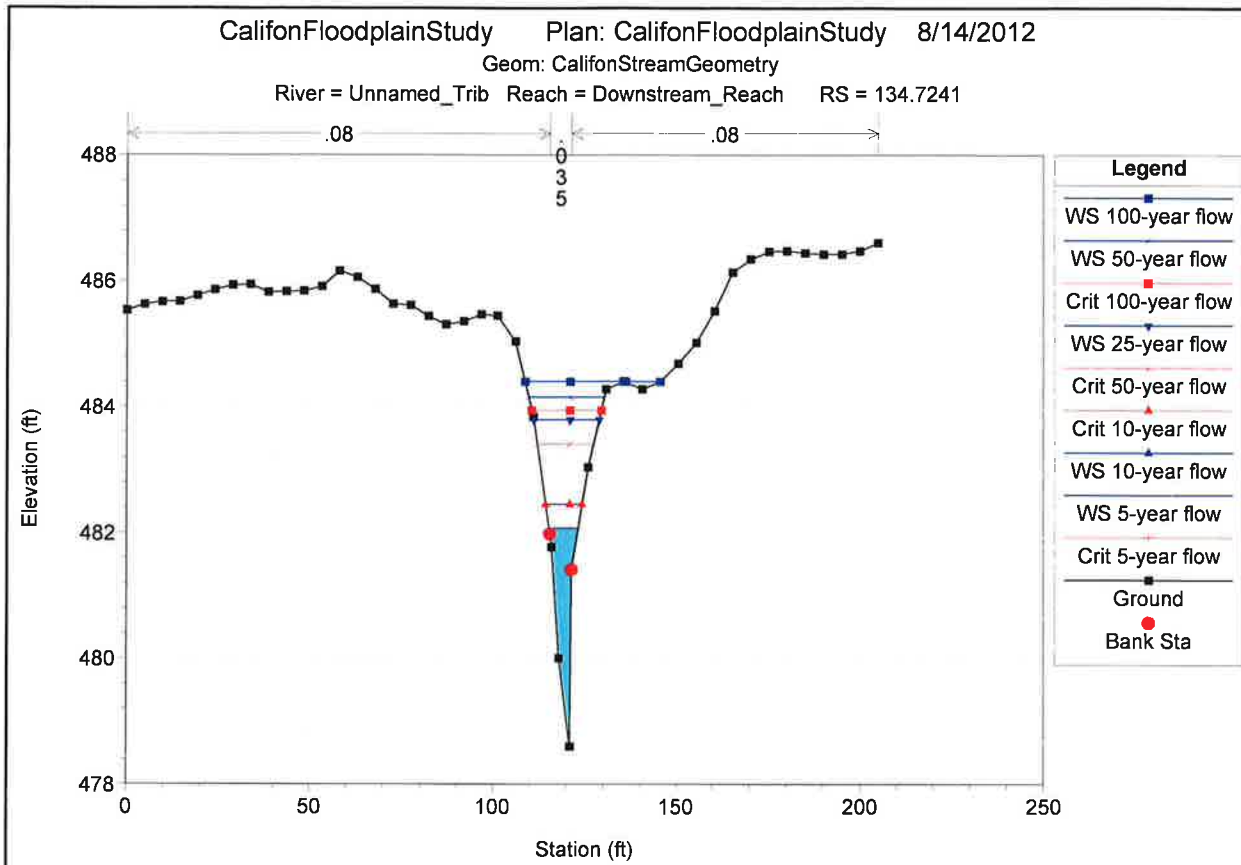
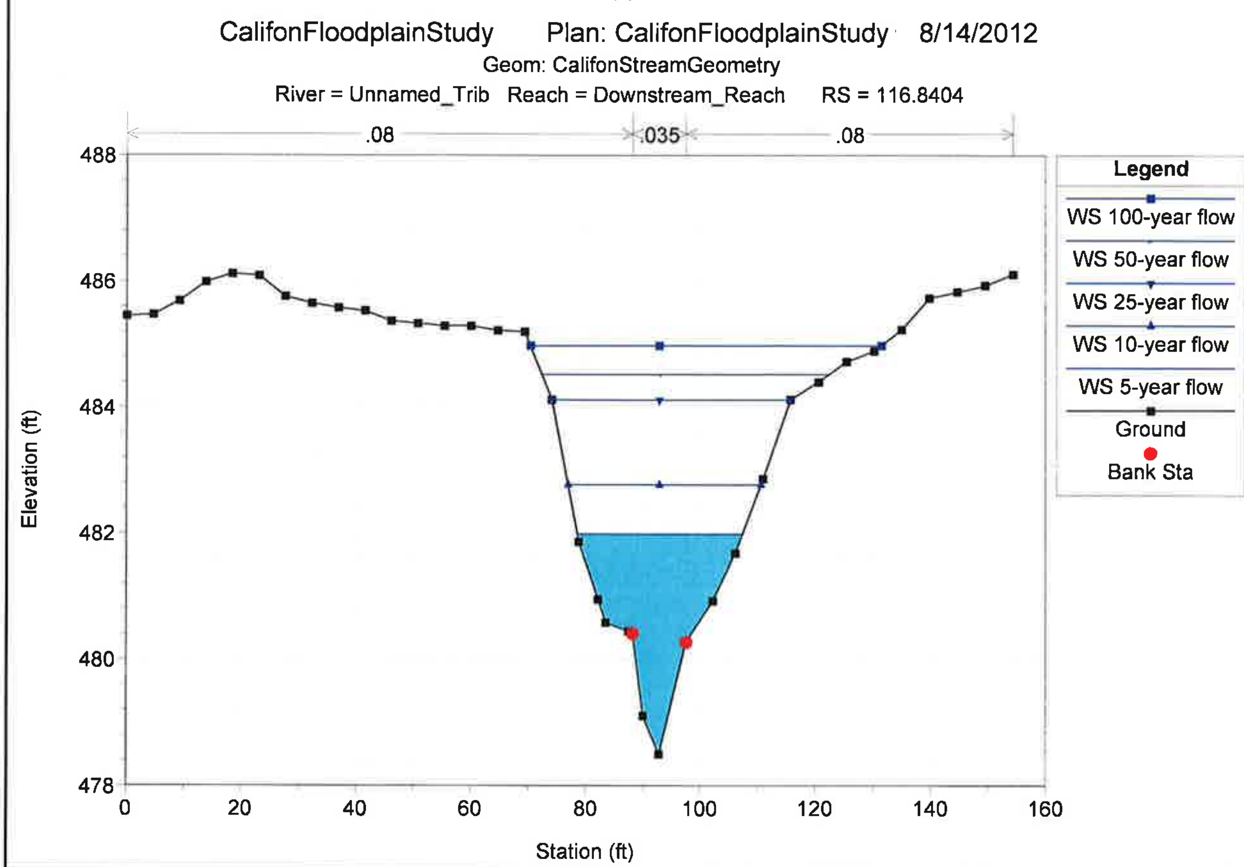
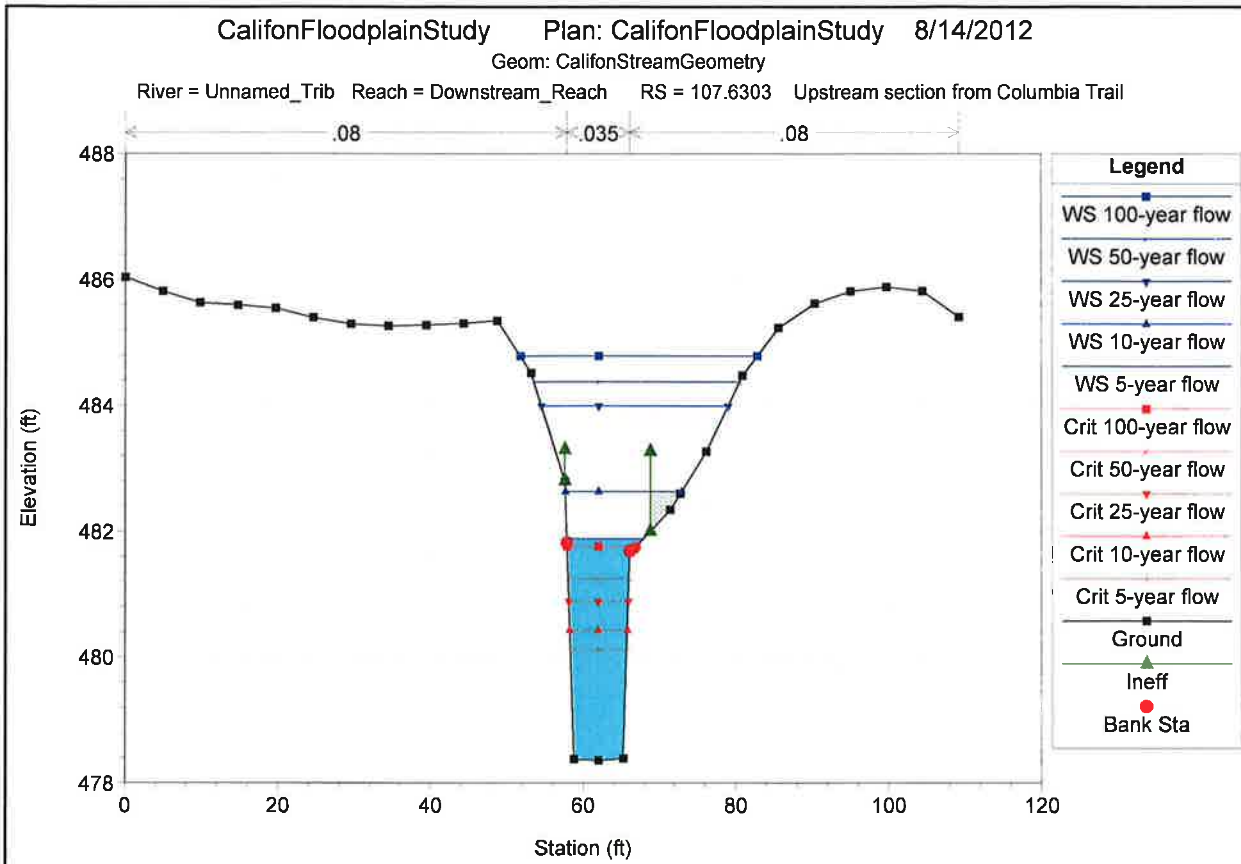
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
Crit 100-year flow
WS 25-year flow
Crit 50-year flow
WS 10-year flow
Crit 25-year flow
WS 5-year flow
Crit 10-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta

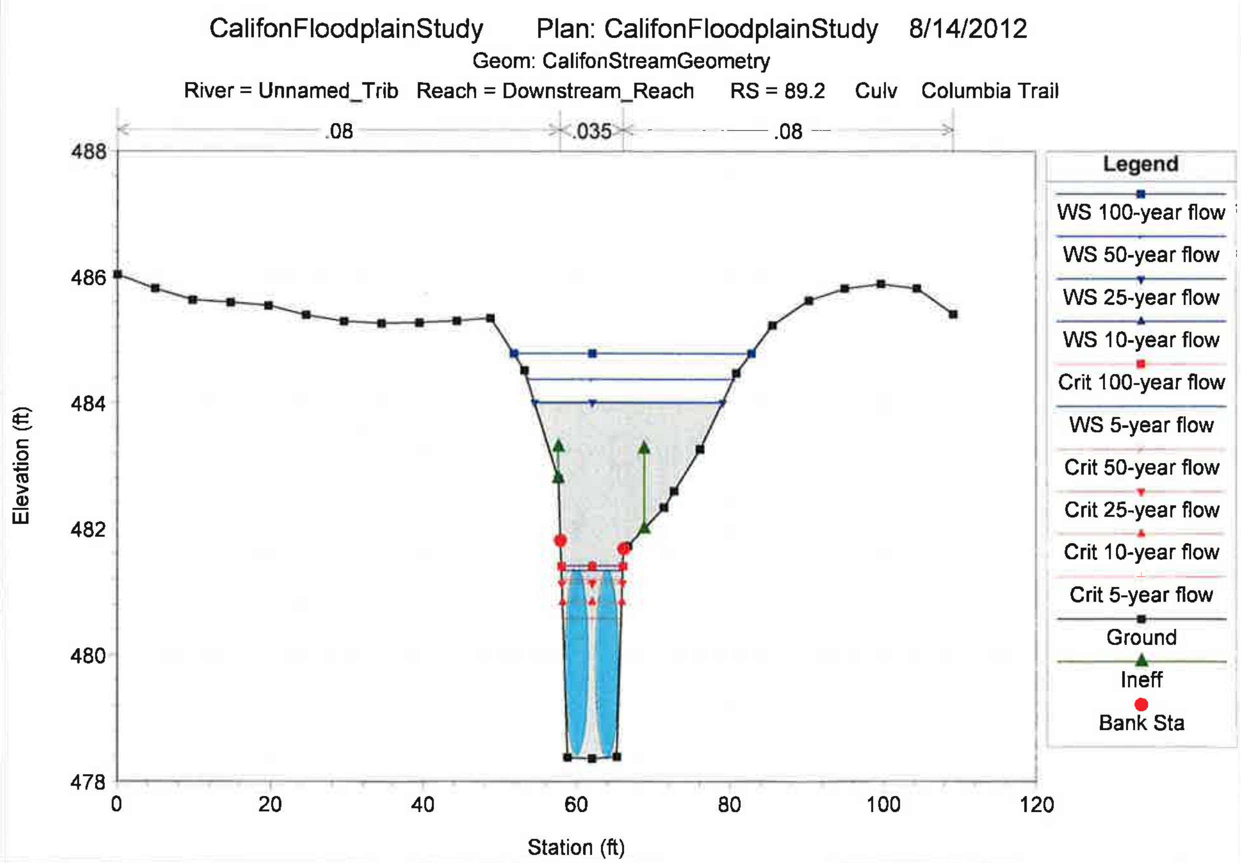

CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 164.443
.08
.035
.08
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
Crit 100-year flow
WS 10-year flow
WS 5-year flow
Ground
Bank Sta
Elevation (ft)
Station (ft)
490
488
486
484
482
480
0
50
100
150
200

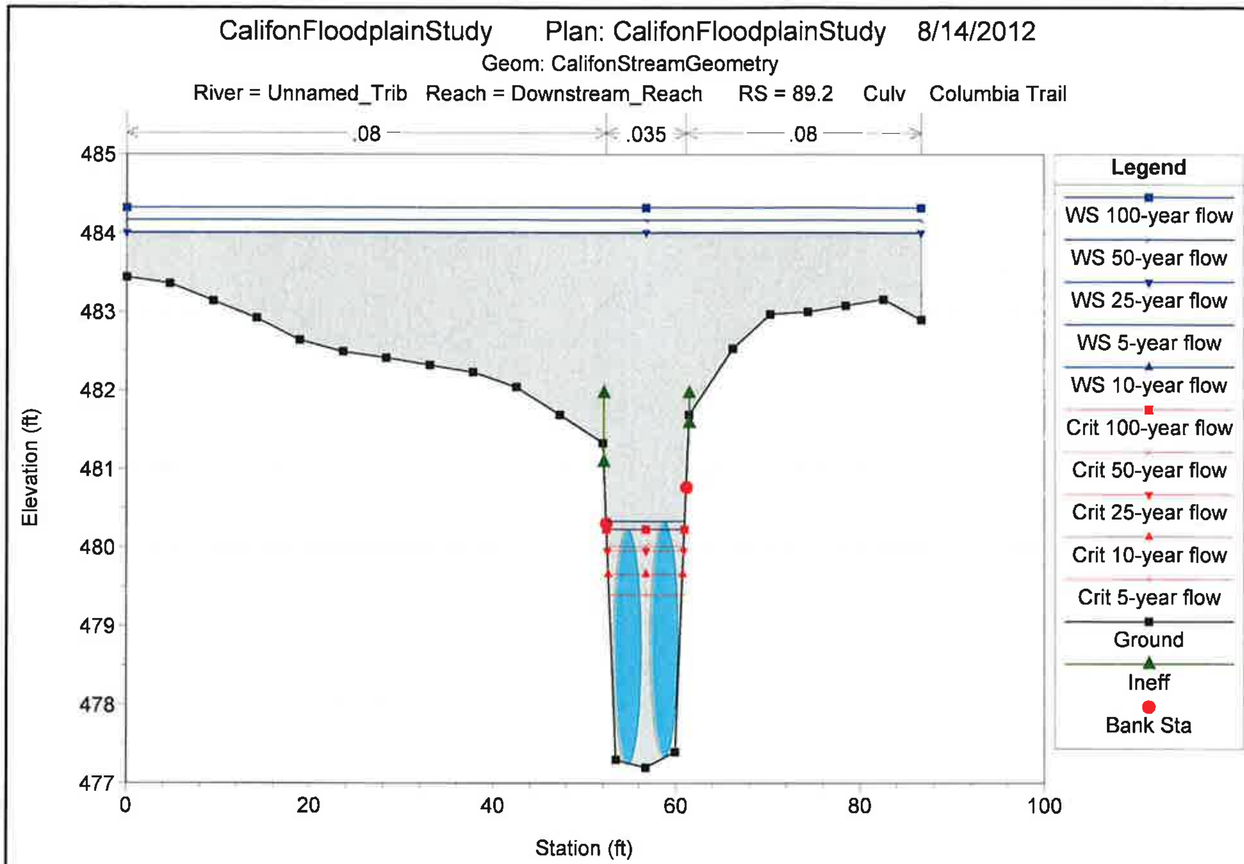

CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 135.2617
.08
.035
.08
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
WS 10-year flow
WS 5-year flow
Ground
Bank Sta
Elevation (ft)
Station (ft)
487
486
485
484
483
482
481
480
20
40
60
80
100
120
140
160


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 134.7241
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
Crit 100-year flow
WS 25-year flow
Crit 50-year flow
Crit 10-year flow
WS 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 116.8404
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
WS 10-year flow
WS 5-year flow
Ground
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 107.6303 Upstream section from Columbia Trail
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
WS 10-year flow
WS 5-year flow
Crit 100-year flow
Crit 50-year flow
Crit 25-year flow
Crit 10-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 89.2 Culv Columbia Trail
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
WS 10-year flow
Crit 100-year flow
WS 5-year flow
Crit 50-year flow
Crit 25-year flow
Crit 10-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta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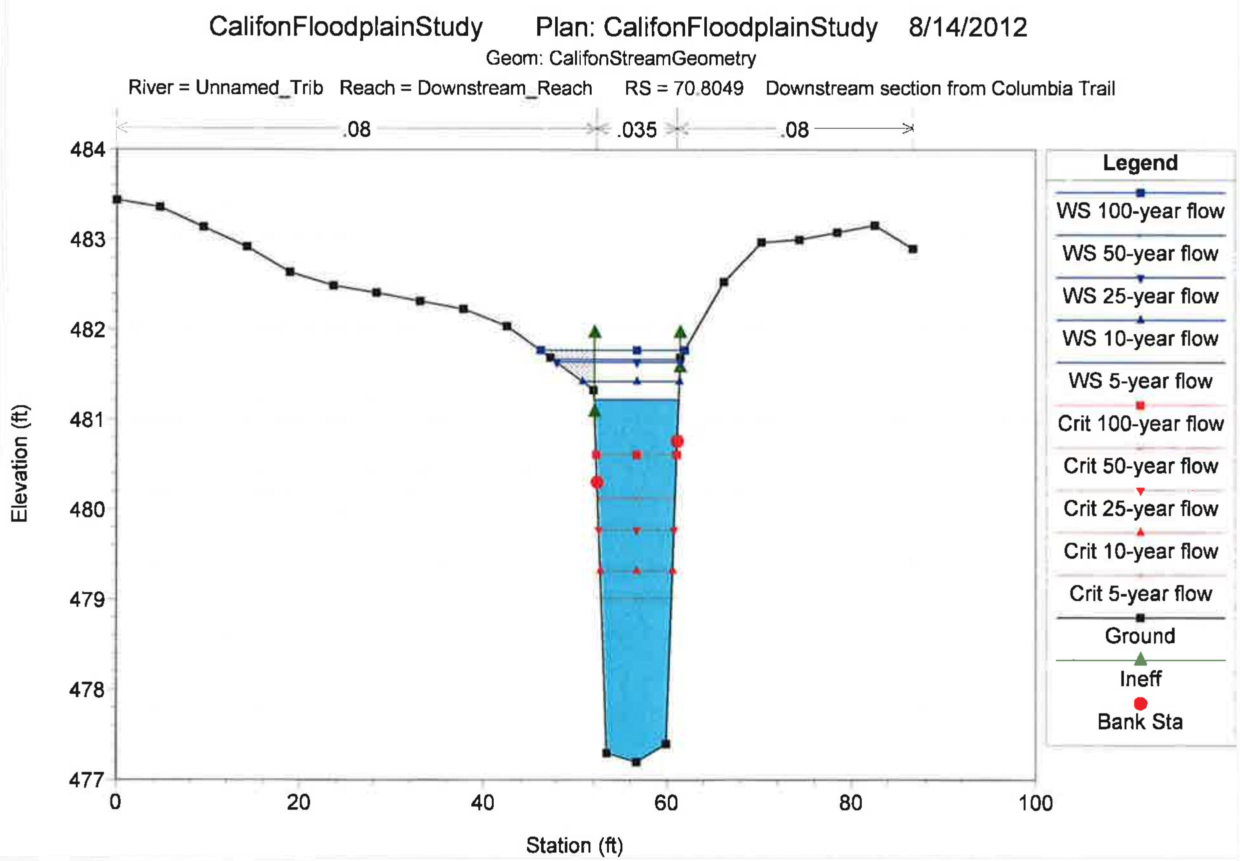
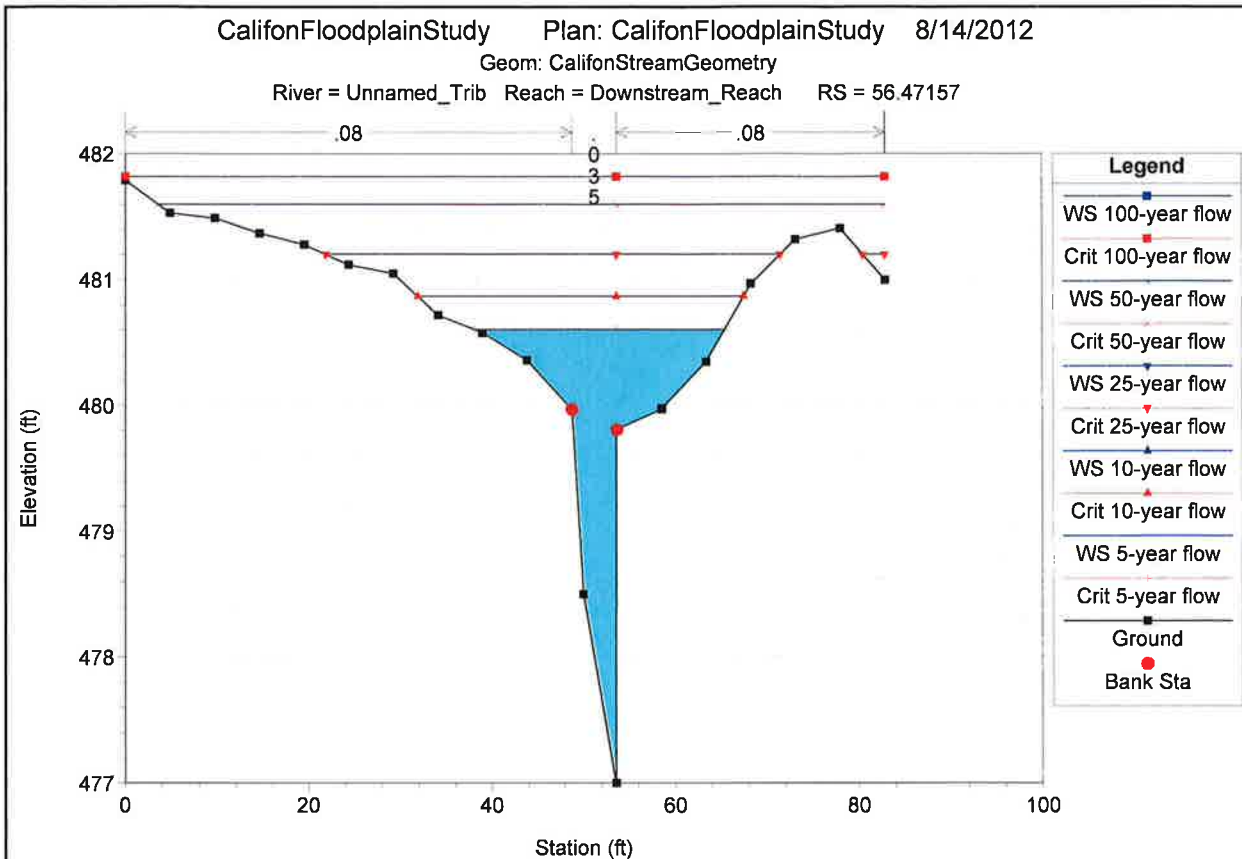
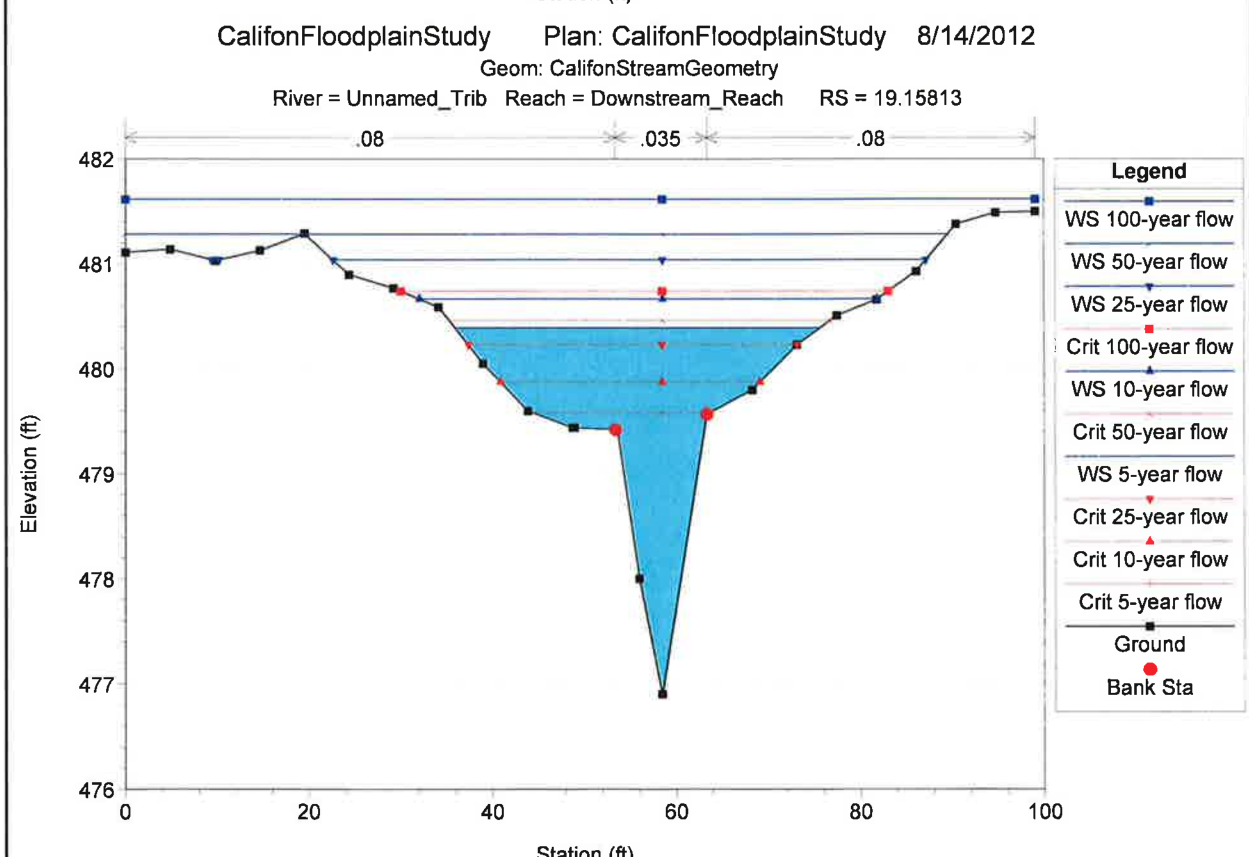
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 89.2 Culv Columbia Trail
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
WS 5-year flow
WS 10-year flow
Crit 100-year flow
Crit 50-year flow
Crit 25-year flow
Crit 10-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 70.8049 Downstream section from Columbia Trail
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
WS 10-year flow
WS 5-year flow
Crit 100-year flow
Crit 50-year flow
Crit 25-year flow
Crit 10-year flow
Crit 5-year flow
Ground
Ineff
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 56.47157
.08
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
Crit 100-year flow
WS 50-year flow
Crit 50-year flow
WS 25-year flow
Crit 25-year flow
WS 10-year flow
Crit 10-year flow
WS 5-year flow
Crit 5-year flow
Ground
Bank Sta


CalifonFloodplainStudy Plan: CalifonFloodplainStudy 8/14/2012
Geom: CalifonStreamGeometry
River = Unnamed_Trib Reach = Downstream_Reach RS = 19.15813
.08
.035
.08
Elevation (ft)
Station (ft)
Legend
WS 100-year flow
WS 50-year flow
WS 25-year flow
Crit 100-year flow
WS 10-year flow
Crit 50-year flow
WS 5-year flow
Crit 25-year flow
Crit 10-year flow
Crit 5-year flow
Ground
Bank Sta