Passaic County

Environmental Resource Inventory

Preservation Area

VERNON TOWNSHIP

HARDYSTON TOWNSHIP

WEST MILFORD TOWNSHIP

RINGWOOD BOROUGH

MAHWAH TOWNSHIP

WANAQUE BOROUGH

OAKLAND BOROUGH

JEFFERSON TOWNSHIP

BLOOMINGDALE BOROUGH

POMPTON LAKES BOROUGH

BUTLER BOROUGH

RIVERDALE BOROUGH

ROCKAWAY TOWNSHIP

KINNELON BOROUGH

PEQUANNOCK TOWNSHIP

- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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Miles

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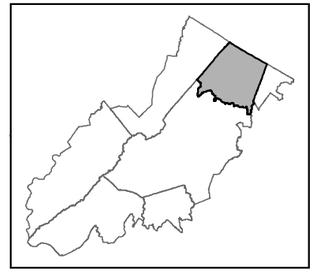
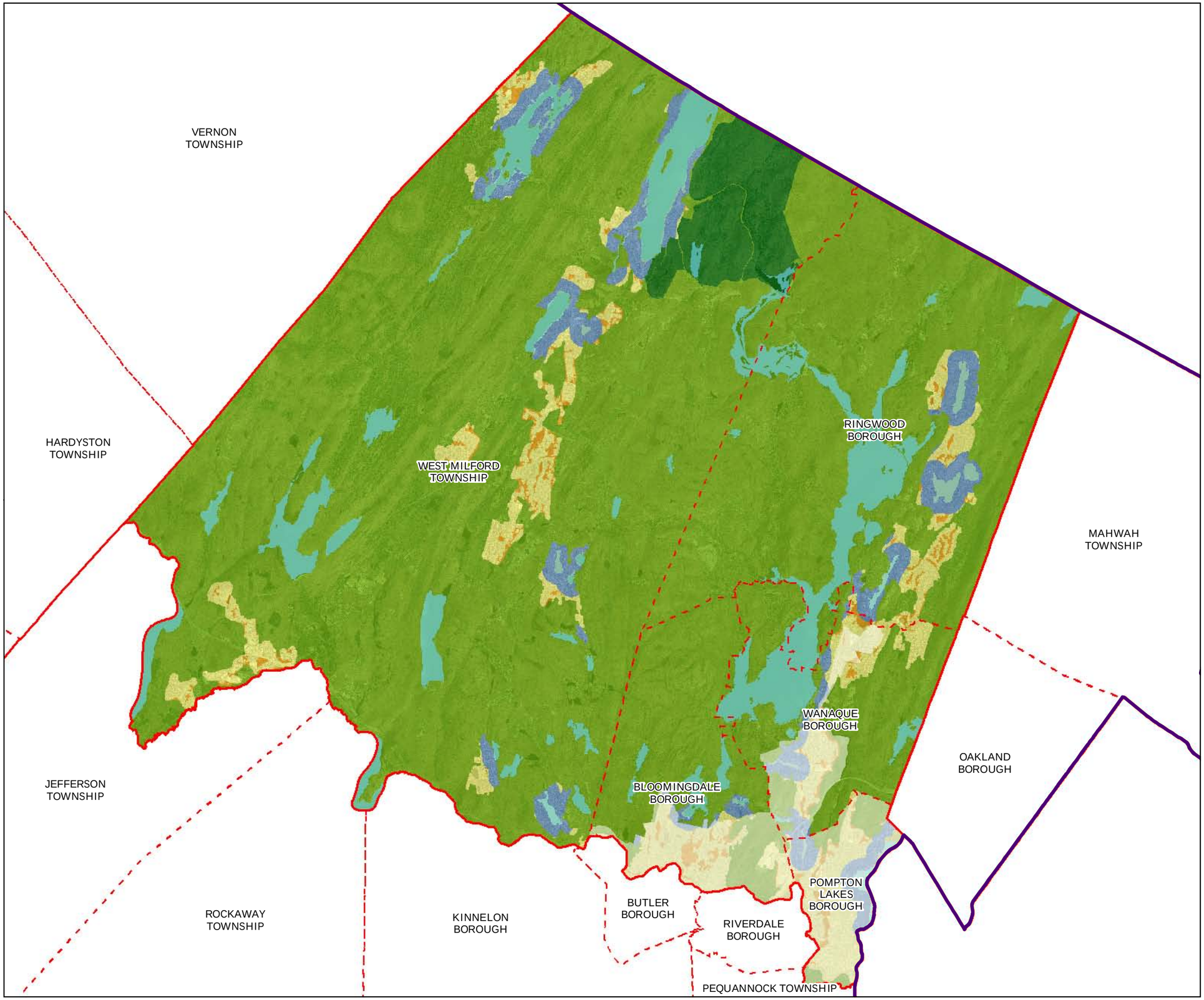


Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Land Use Capability Map Zones



Regional Master Plan Overlay Zone Designation

Zone

- *Protection*
- *Conservation*
- *Existing Community*

Sub-Zone

- *Existing Community Environmentally Constrained*
- *Conservation Environmentally Constrained*
- *Lake Community*
- *Wildlife Management*
- Lakes Greater Than 10 acres
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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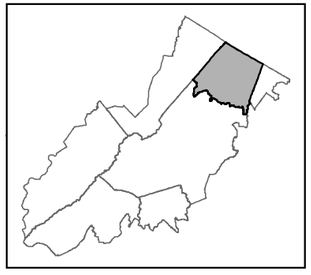
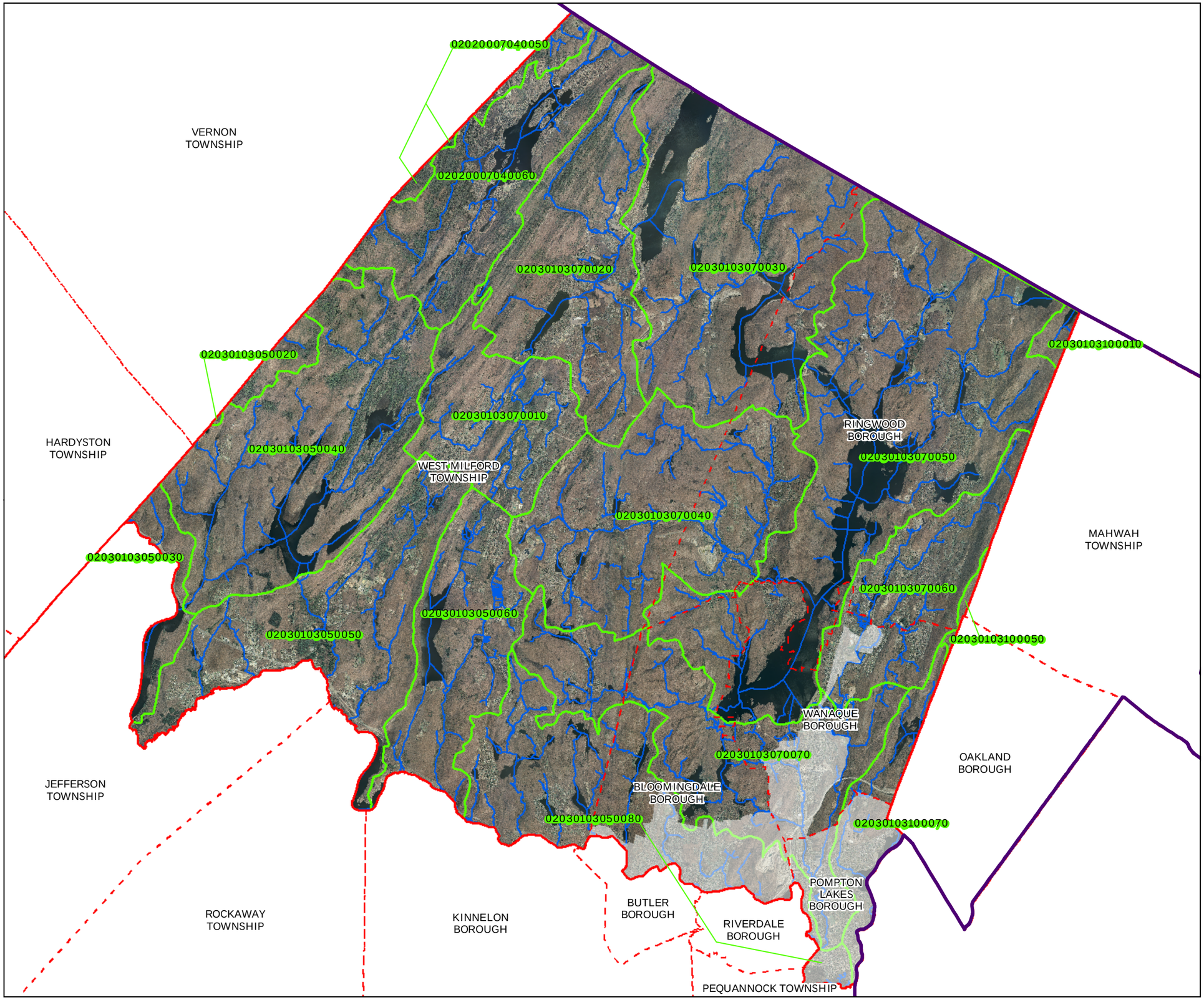


Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009



Passaic County

Environmental Resource Inventory

HUC 14 Subwatershed Boundaries

- Subwatersheds: Hydrologic Unit Code 14 (HUC14)
- Streams
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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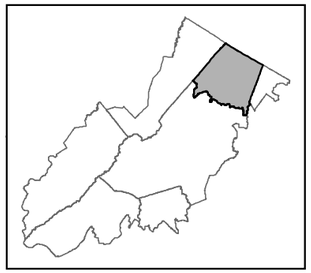

Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Forest Resource Area

VERNON TOWNSHIP

HARDYSTON TOWNSHIP

WEST MILFORD TOWNSHIP

RINGWOOD BOROUGH

MAHWAH TOWNSHIP

WANAQUE BOROUGH

OAKLAND BOROUGH

JEFFERSON TOWNSHIP

BLOOMINGDALE BOROUGH

POMPTON LAKES BOROUGH

BUTLER BOROUGH

RIVERDALE BOROUGH

ROCKAWAY TOWNSHIP

KINNELON BOROUGH

PEQUANNOCK TOWNSHIP

- Forest Resource Area
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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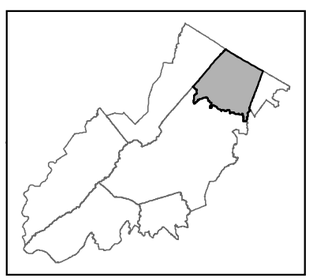
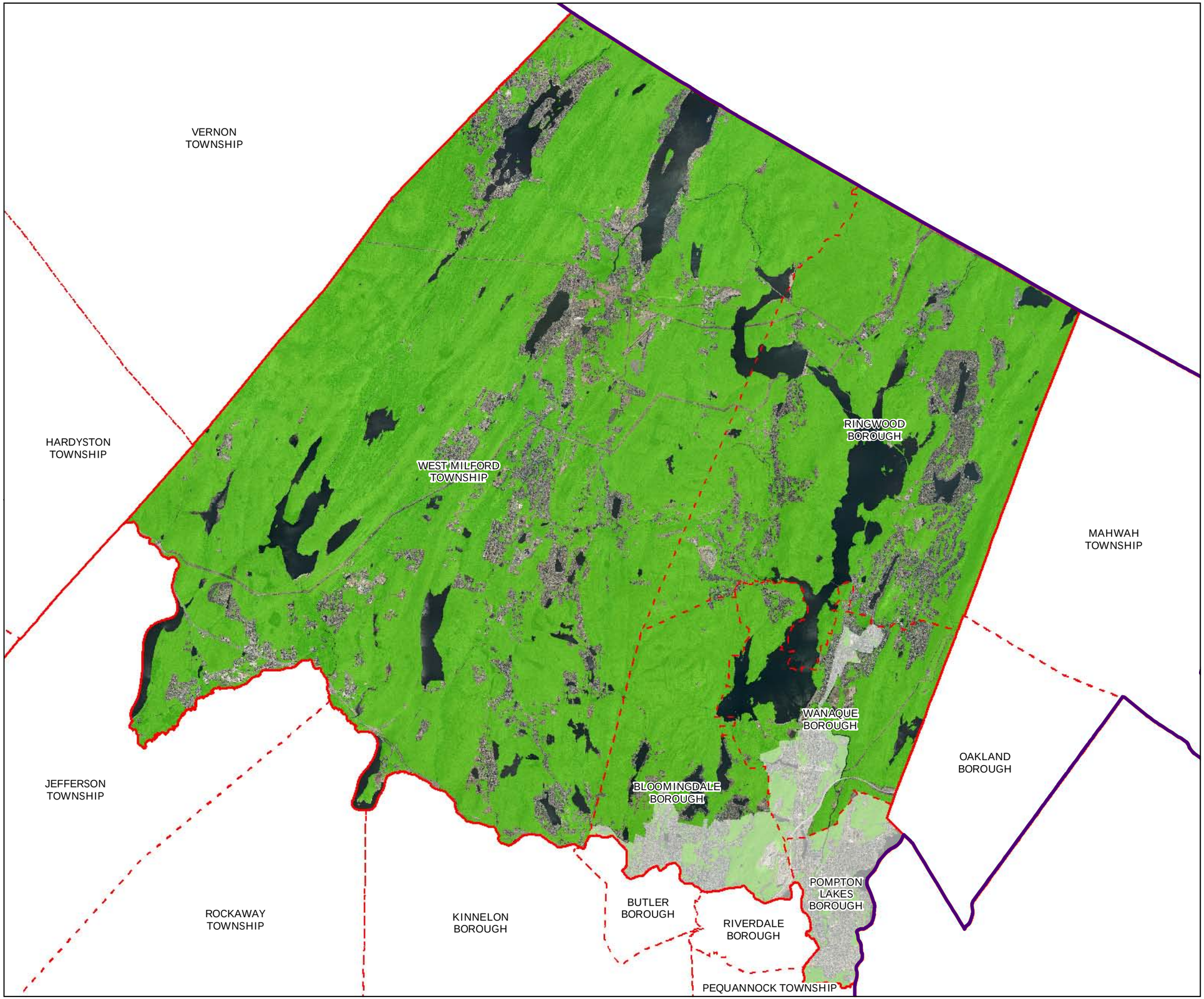


Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Total Forest Area



- Forested Areas
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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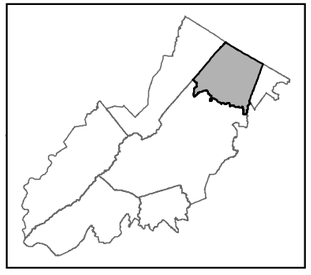


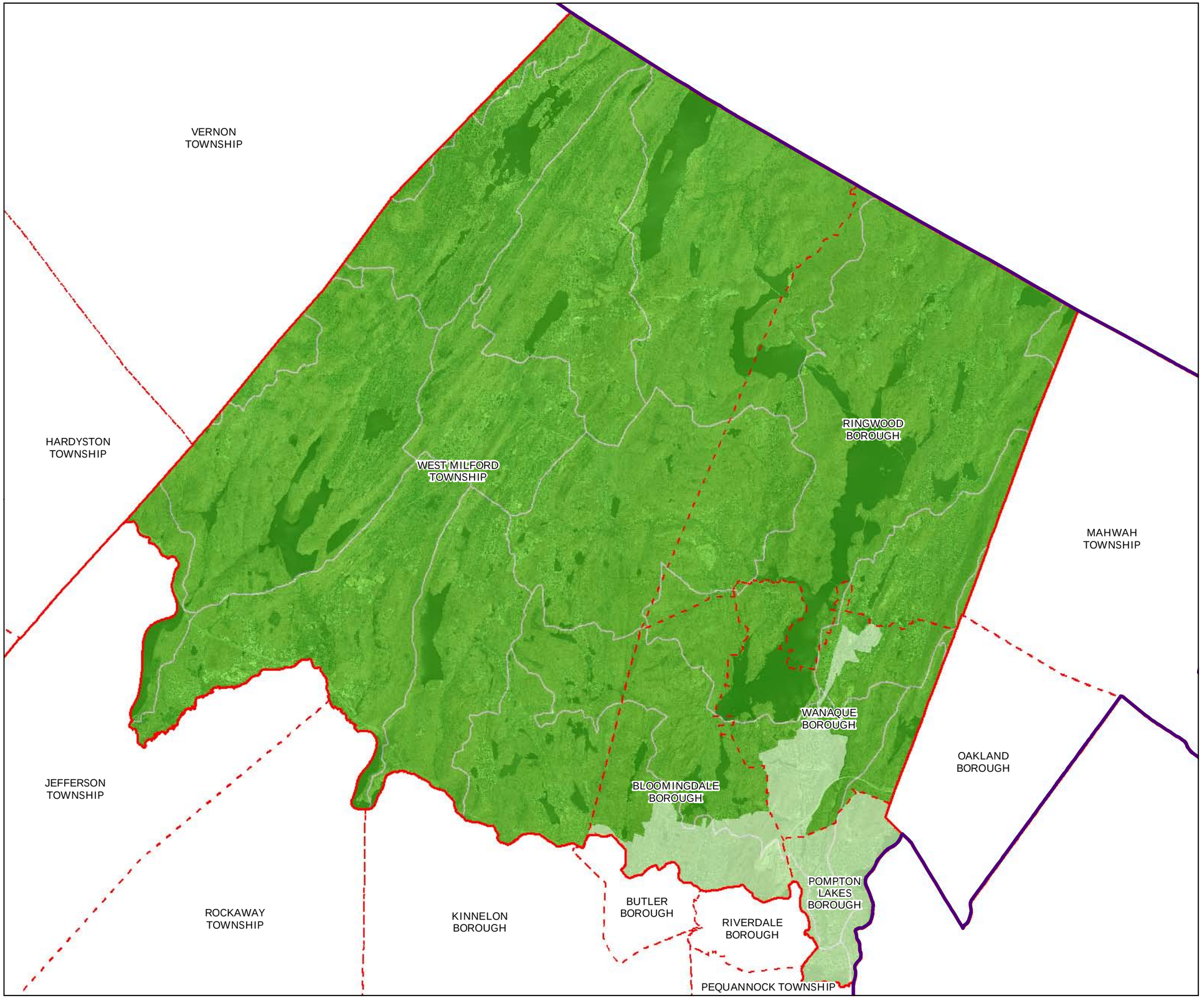
Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Forest Subwatersheds



Forest Integrity by HUC14 Subwatershed

- *Low*
- *Moderate*
- *High*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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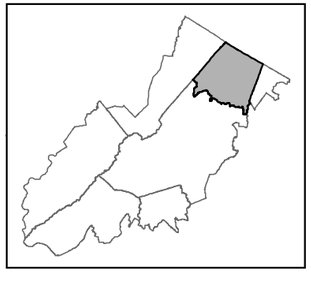


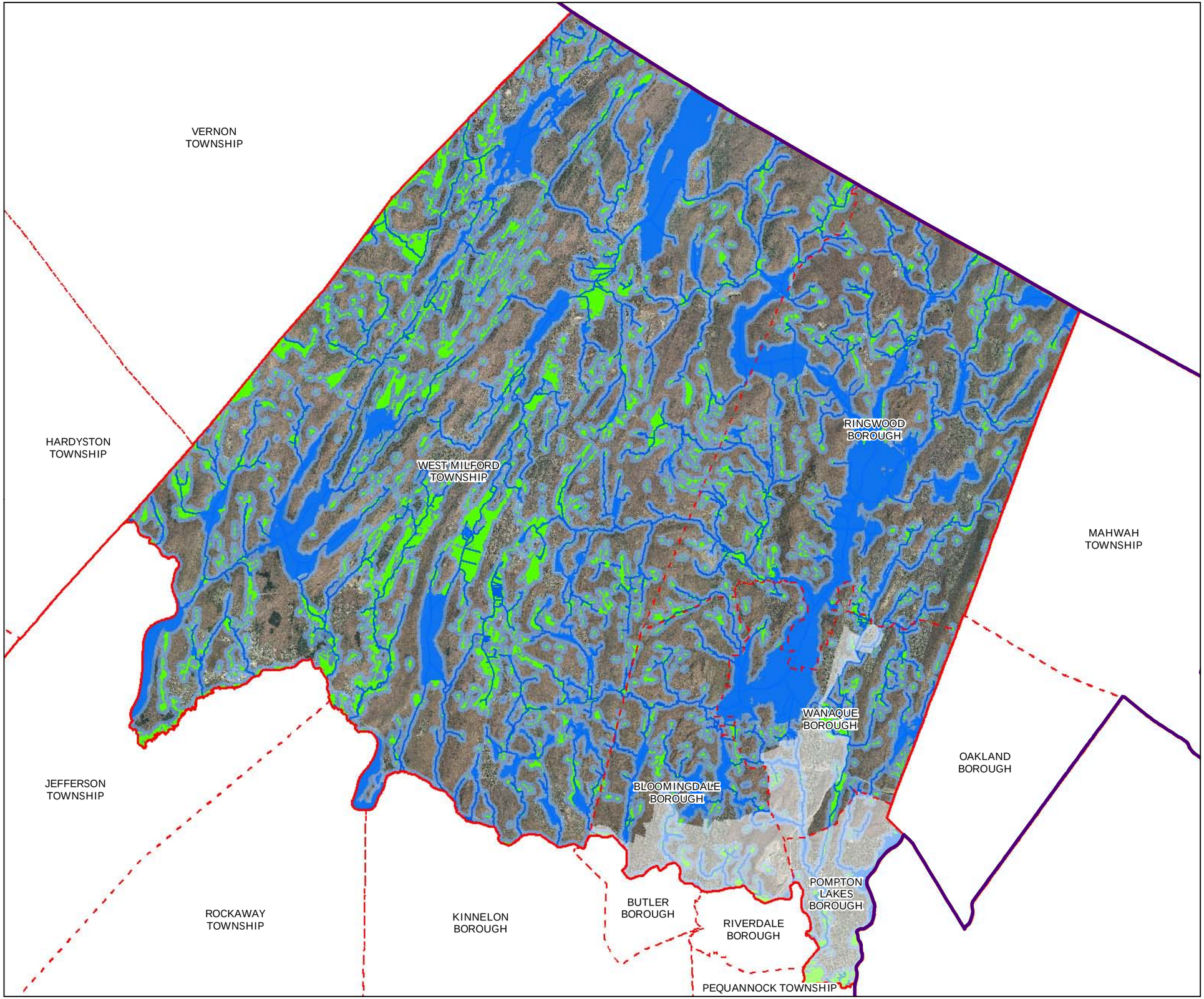
Highlands Council New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Highlands Open Waters



- Highlands Open Water Buffers (300ft)
- Streams
- Wetlands
- Lakes & Ponds
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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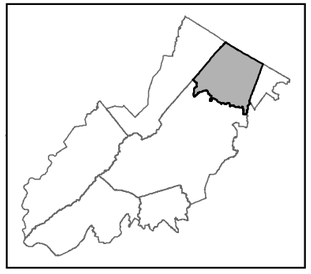


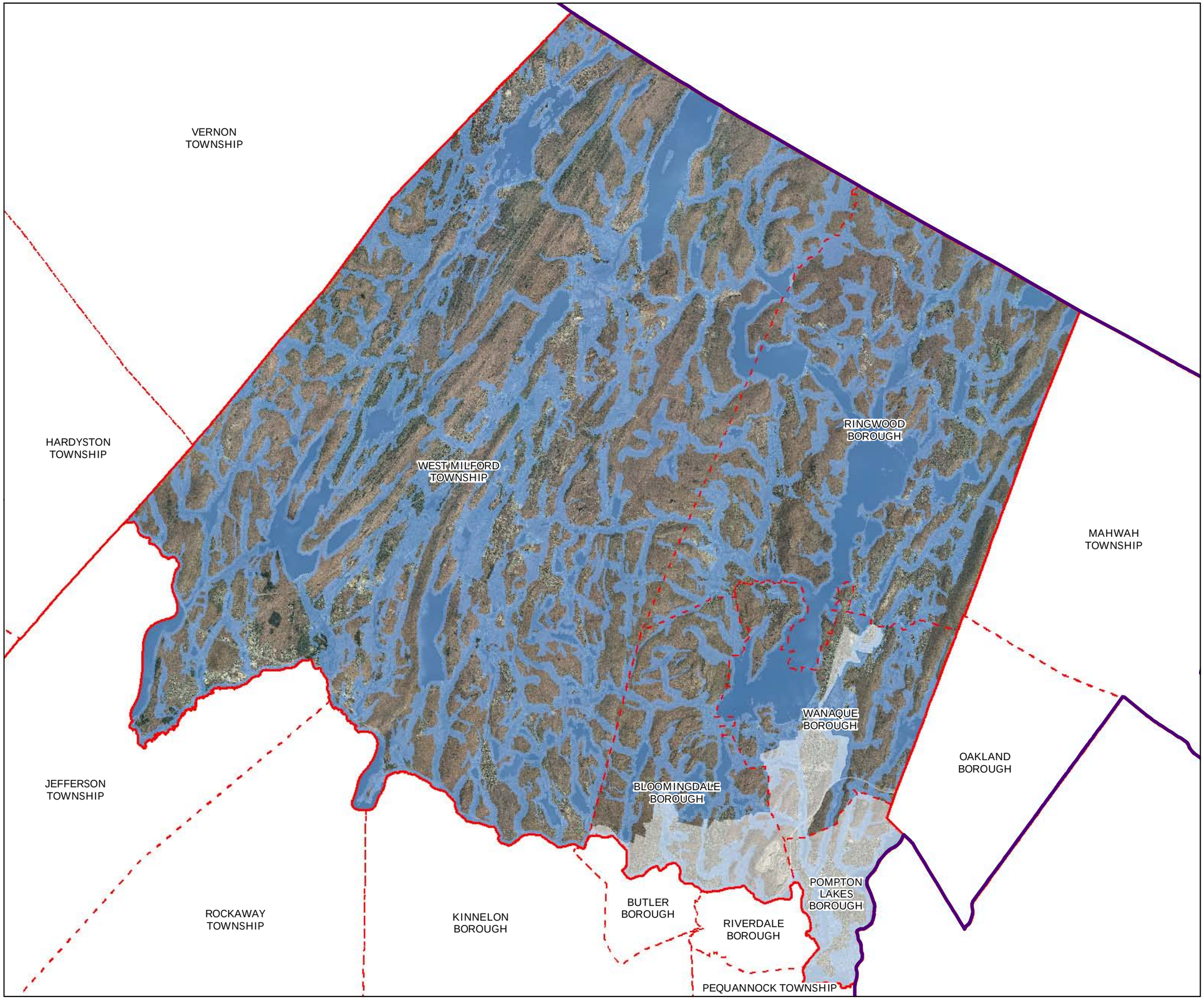
Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Highlands Riparian Areas



- Riparian Area
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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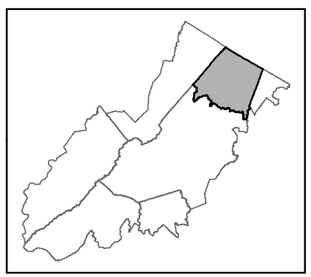


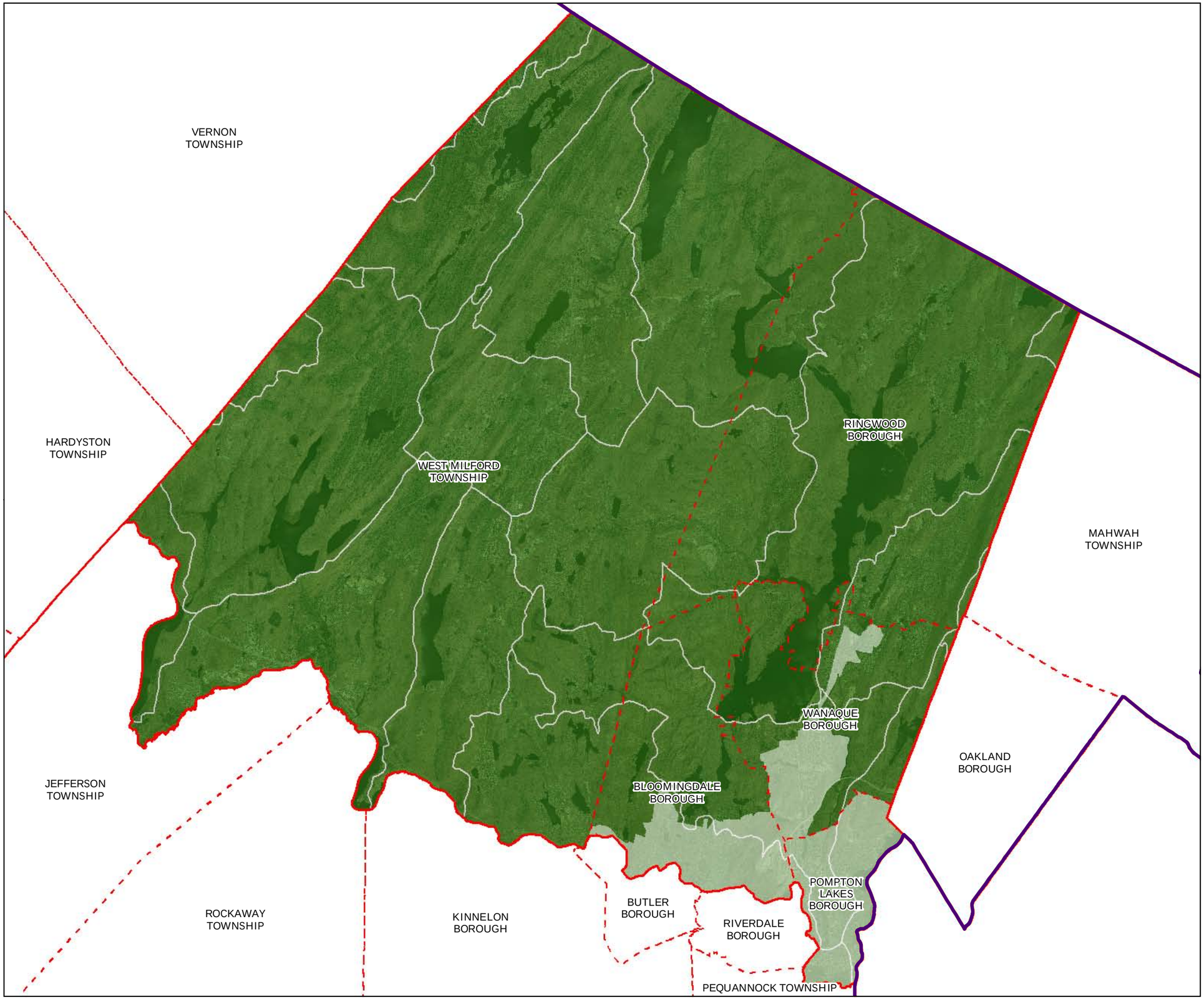
Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Watershed Value



Watershed Values by HUC14 Subwatershed

- *Low*
- *Moderate*
- *High*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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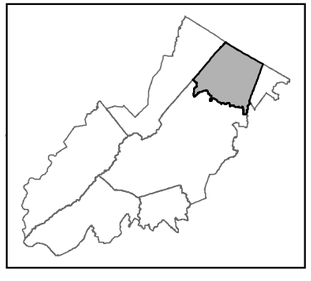

Highlands Council New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Riparian Integrity

VERNON TOWNSHIP

HARDYSTON TOWNSHIP

WEST MILFORD TOWNSHIP

RINGWOOD BOROUGH

MAHWAH TOWNSHIP

WANAQUE BOROUGH

OAKLAND BOROUGH

JEFFERSON TOWNSHIP

BLOOMINGDALE BOROUGH

POMPTON LAKES BOROUGH

BUTLER BOROUGH

RIVERDALE BOROUGH

ROCKAWAY TOWNSHIP

KINNELON BOROUGH

PEQUANNOCK TOWNSHIP

Riparian Integrity by HUC14 Subwatershed

- *Low*
- *Moderate*
- *High*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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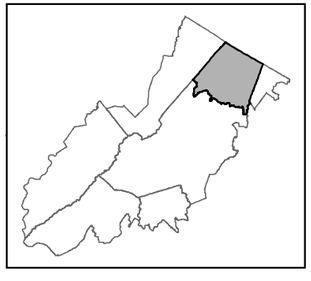

Highlands Council New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Steep Slopes Protection Areas

VERNON TOWNSHIP

HARDYSTON TOWNSHIP

WEST MILFORD TOWNSHIP

RINGWOOD BOROUGH

MAHWAH TOWNSHIP

WANAQUE BOROUGH

OAKLAND BOROUGH

JEFFERSON TOWNSHIP

BLOOMINGDALE BOROUGH

POMPTON LAKES BOROUGH

BUTLER BOROUGH

RIVERDALE BOROUGH

ROCKAWAY TOWNSHIP

KINNELON BOROUGH

PEQUANNOCK TOWNSHIP

Steep Slopes

- *Moderate*
- *Severe*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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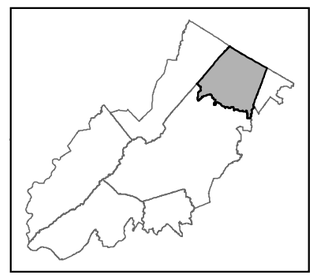

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Critical Wildlife Habitat

VERNON TOWNSHIP

HARDYSTON TOWNSHIP

WEST MILFORD TOWNSHIP

RINGWOOD BOROUGH

MAHWAH TOWNSHIP

WANAQUE BOROUGH

OAKLAND BOROUGH

JEFFERSON TOWNSHIP

BLOOMINGDALE BOROUGH

POMPTON LAKES BOROUGH

BUTLER BOROUGH

RIVERDALE BOROUGH

ROCKAWAY TOWNSHIP

KINNELON BOROUGH

PEQUANNOCK TOWNSHIP

- Critical Wildlife Habitat
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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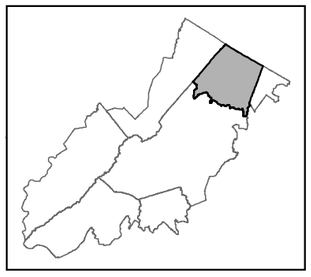


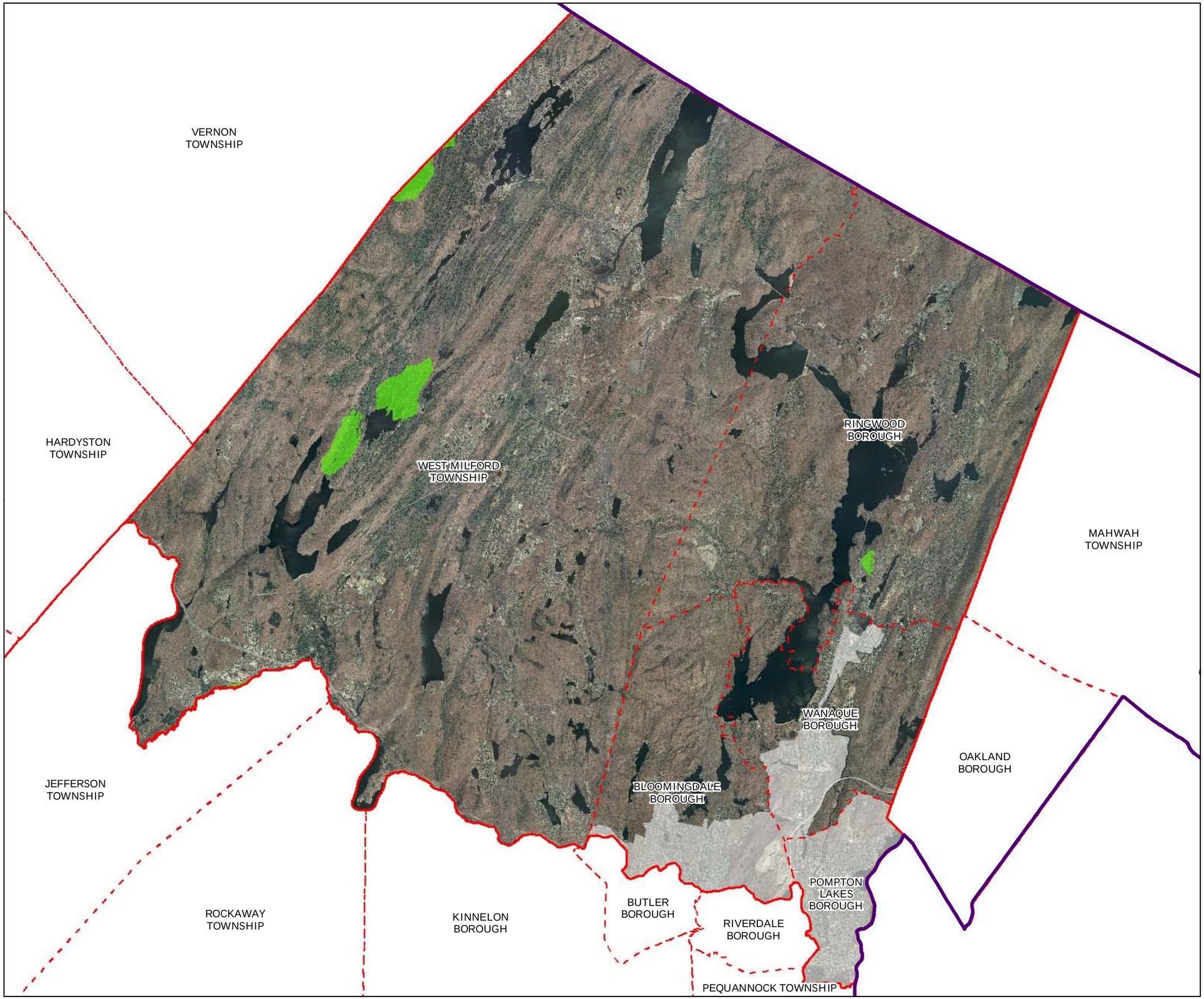
Highlands Council New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Significant Natural Areas



- Significant Natural Areas
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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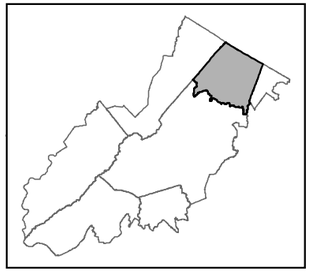


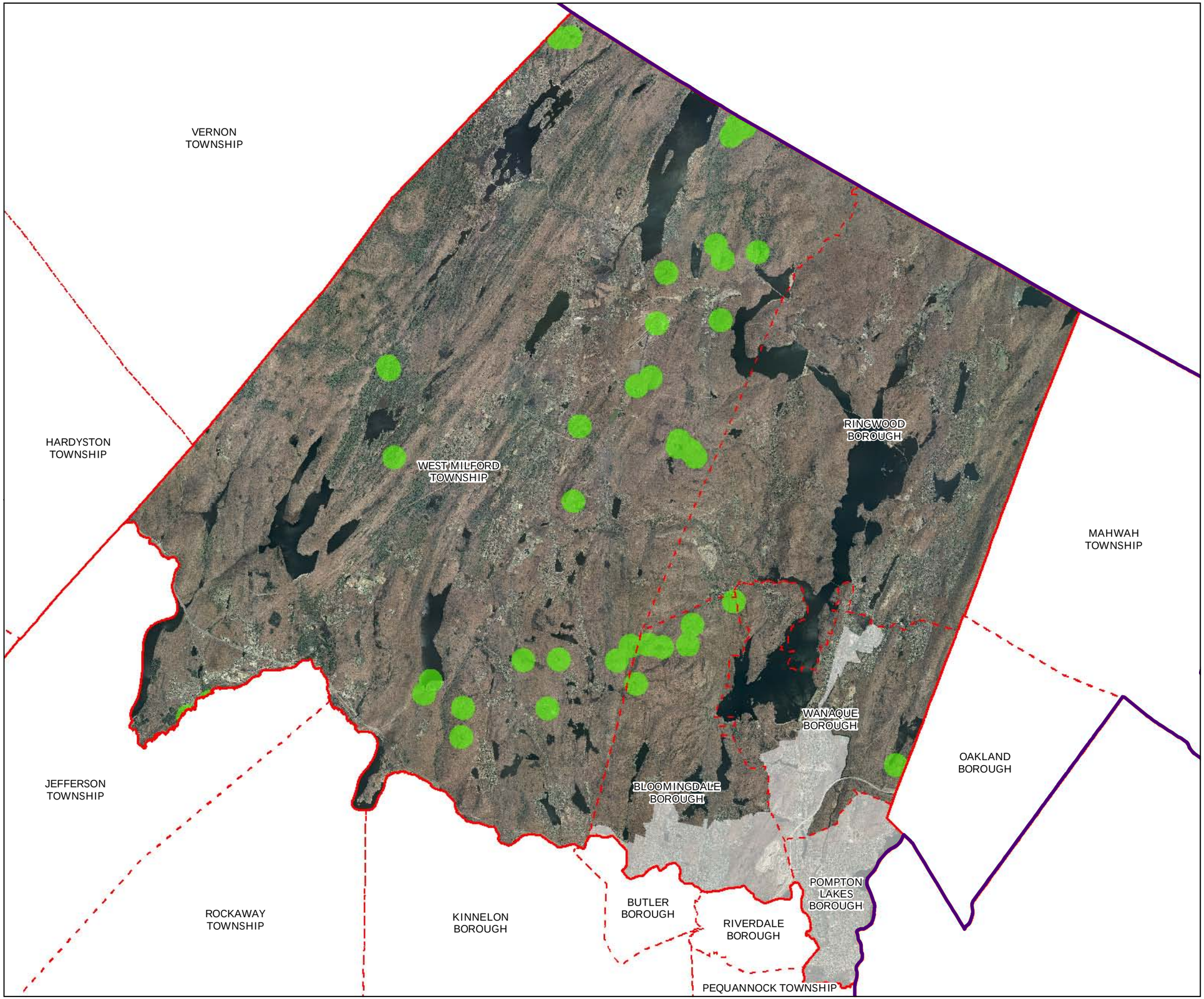
Highlands Council New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Vernal Pools



- Vernal Pools + 1000ft Buffer
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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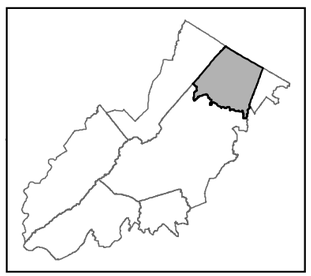

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Preserved Lands (Includes: Preserved Farmlands, Federal, State, County, Municipal, Non-profit & Authorities, and Conservation Easements)

VERNON TOWNSHIP
HARDYSTON TOWNSHIP
WEST MILFORD TOWNSHIP
RINGWOOD BOROUGH
MAHWAH TOWNSHIP
WANAQUE BOROUGH
OAKLAND BOROUGH
JEFFERSON TOWNSHIP
BLOOMINGDALE BOROUGH
POMPTON LAKES BOROUGH
BUTLER BOROUGH
RIVERDALE BOROUGH
ROCKAWAY TOWNSHIP
KINNELON BOROUGH
PEQUANNOCK TOWNSHIP

Preserved Lands
- *Federal Open Space*
- *State Open Space*
- *County Open Space*
- *Municipal Open Space*
- *Non-Profit/Private Open Space*
- *Water Supply Watershed Lands*
- *Preserved Farmland*

Conservation Easements
- *Green Acres*

SADC Easements
- *SADC Final*
- *SADC 8 Year*
- *SADC Preserved*

- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4
Miles

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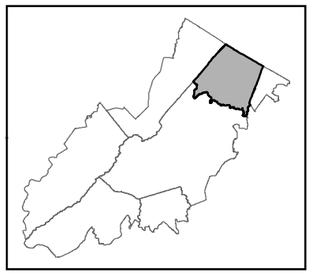
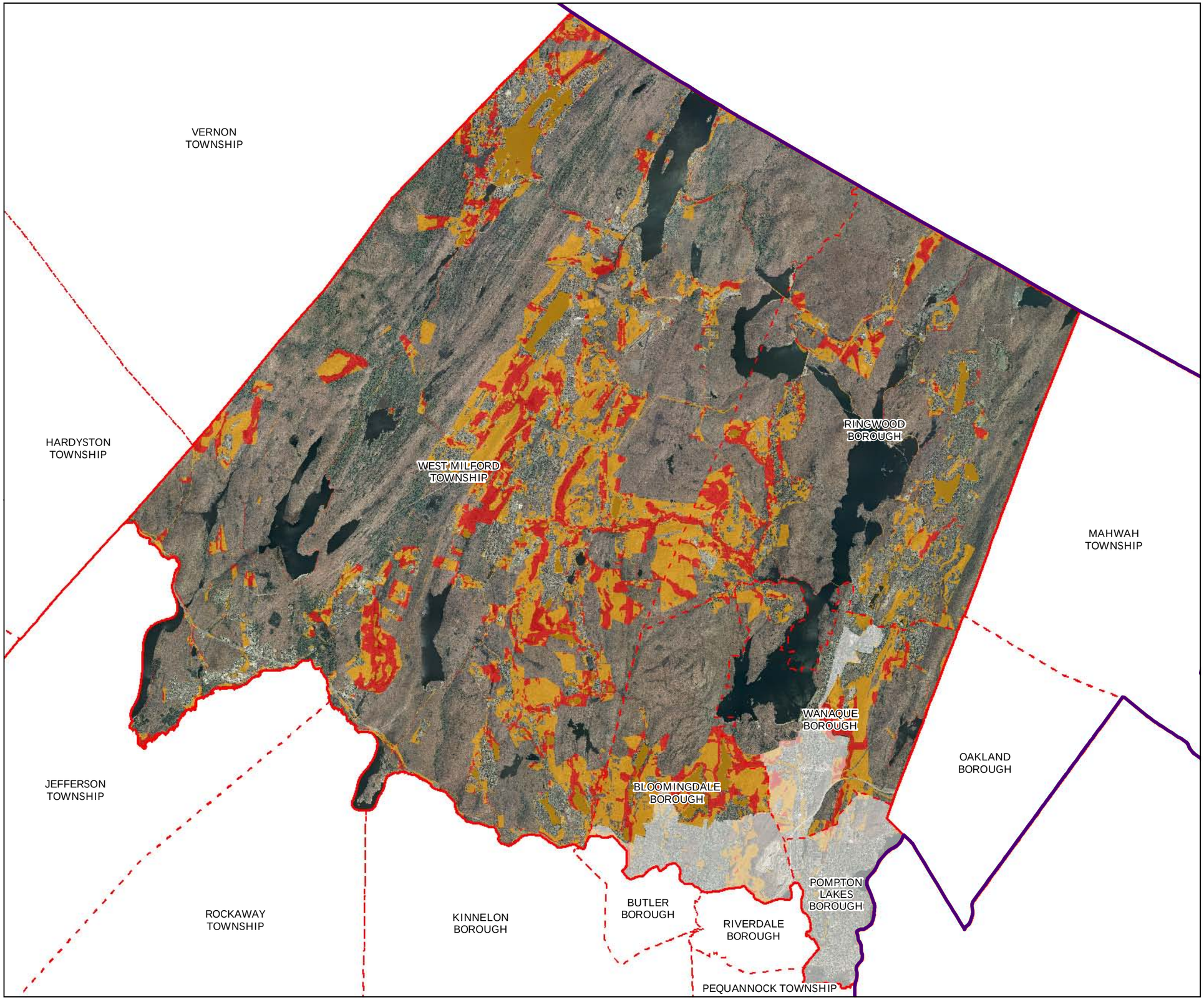


Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: November, 2010



Passaic County

Environmental Resource Inventory

Highlands Conservation Priority Areas

Conservation Prioirity Area

- *Moderate*
- *High*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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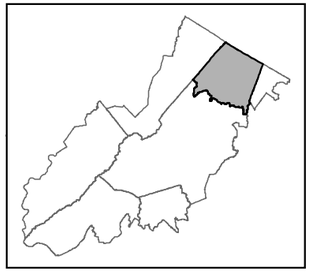


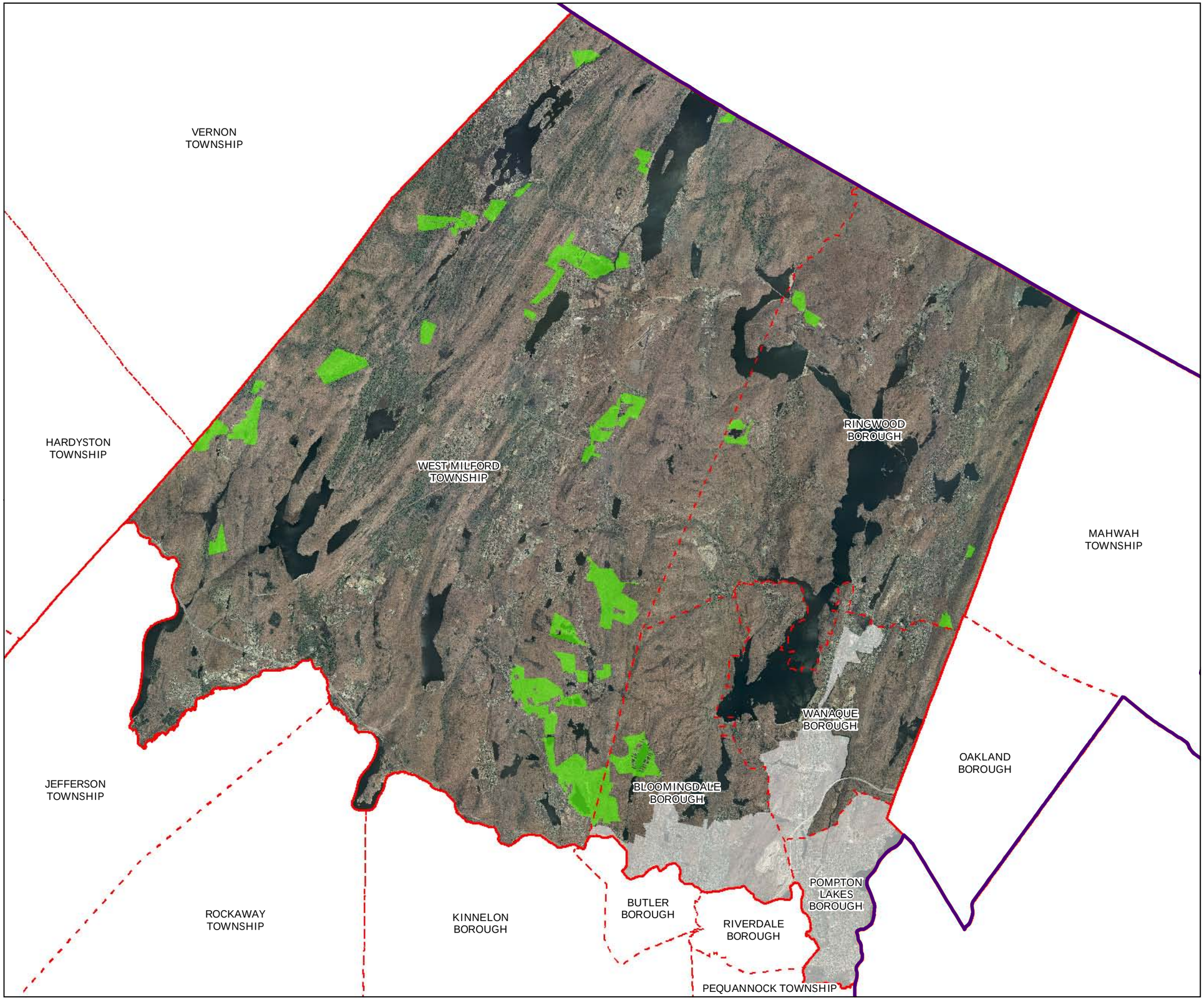
Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Highlands Special Environmental Zones



- Special Environmental Zones
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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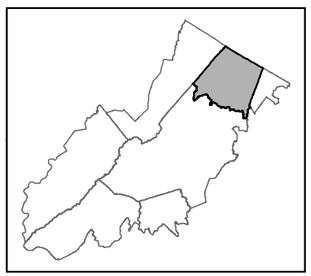


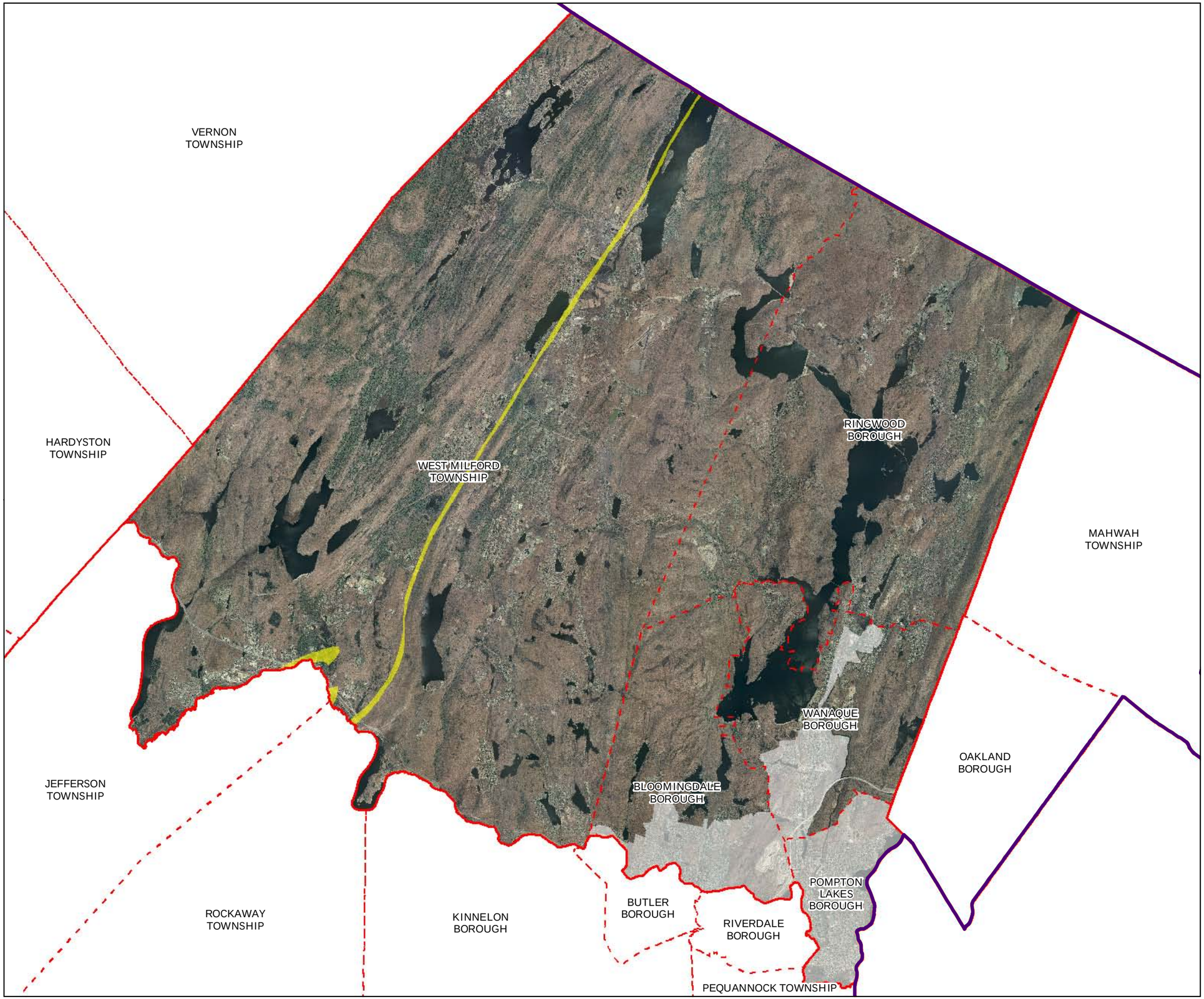
Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Carbonate Rock Areas



- Carbonate Rock Area
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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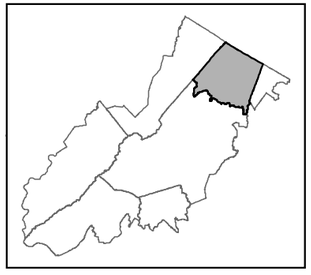
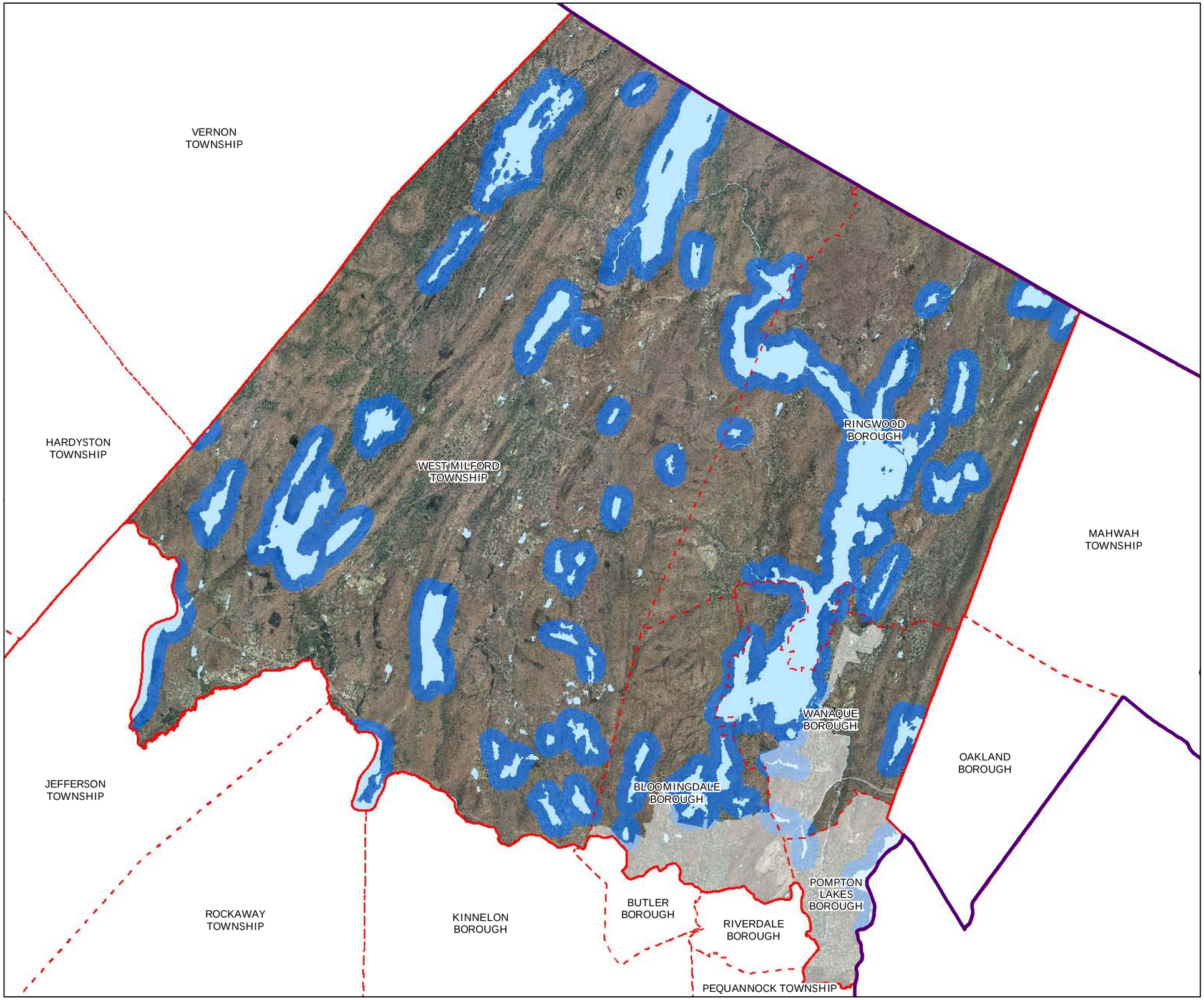


Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Lake Management Area



- Lakes & Ponds
- Lake Management Areas
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4

Miles

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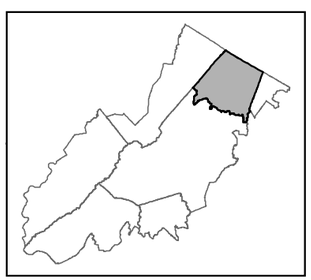


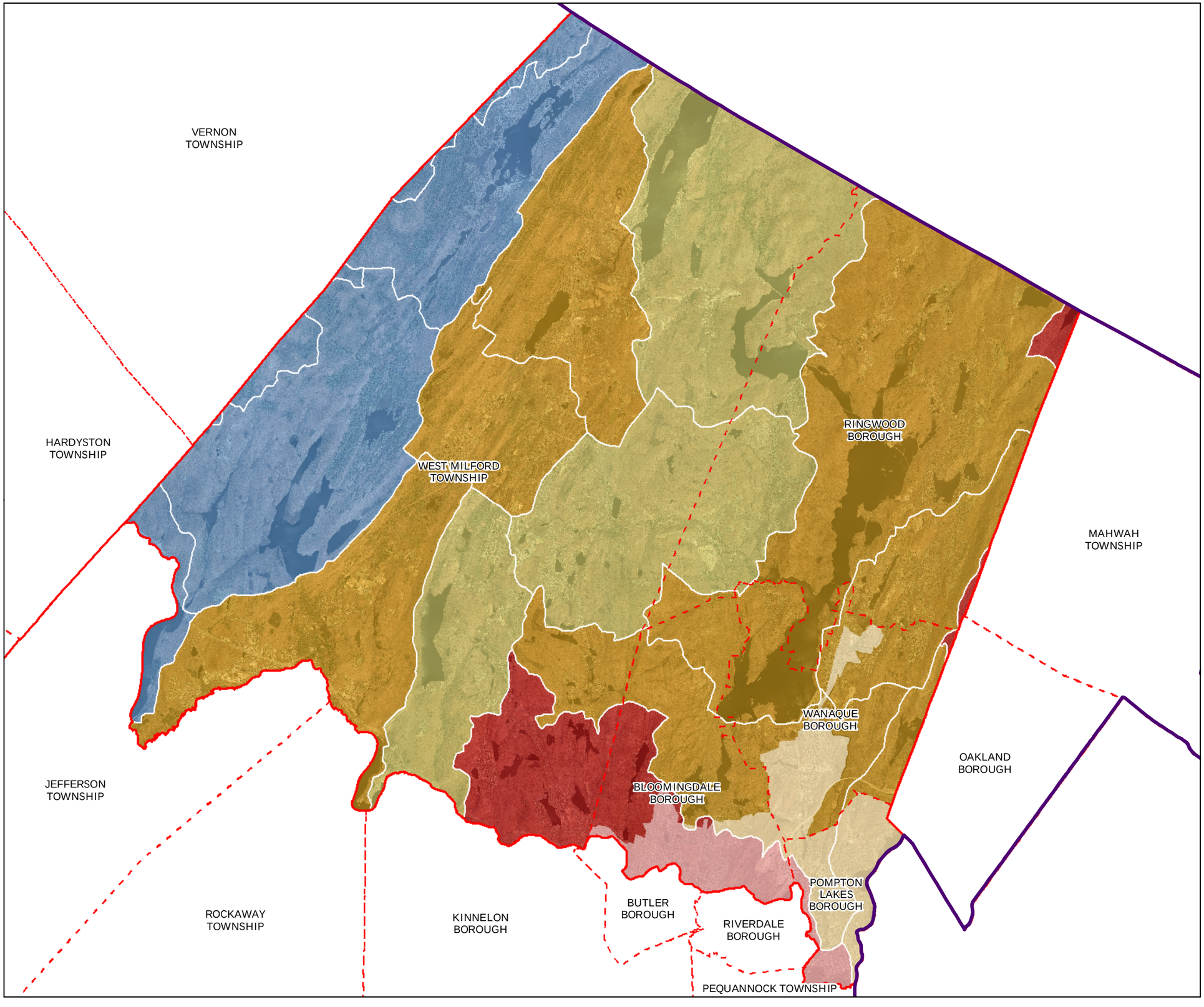
Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Net Water Availability



Net Water Availability By HUC14 Subwatershed

Million Gallons Per Day (MGD)

- *0.10 - 0.39*
- *0.05 - 0.09*
- *0.00 - 0.04*
- *-0.09 - -0.01*
- *-0.99 - -0.10*
- *-7.10 - -1.00*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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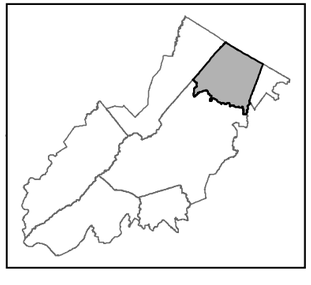
0 1 2 3 4

Miles

2



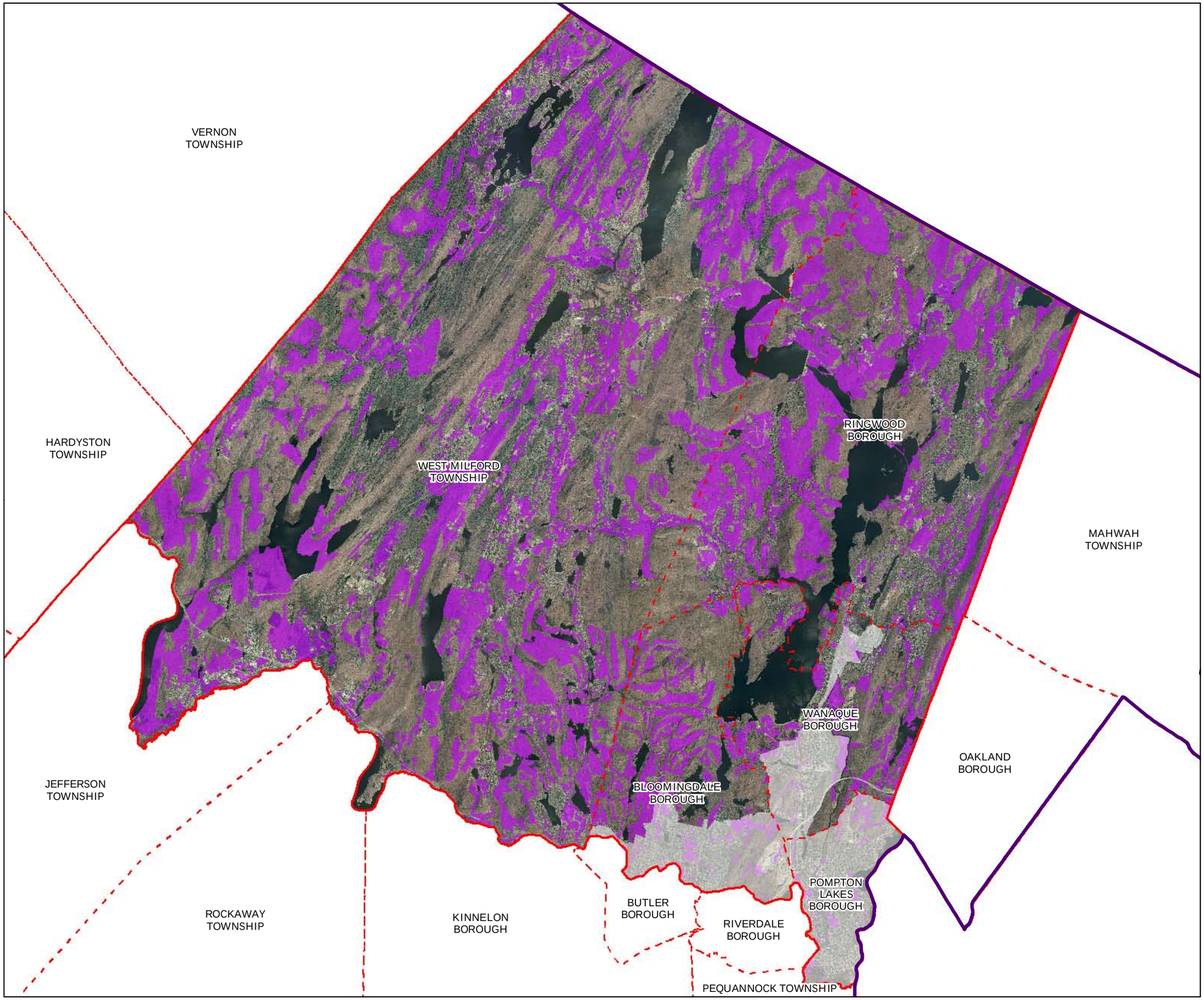
Highlands Council New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Prime Ground Water Recharge Areas



- Prime Ground Water Recharge Areas
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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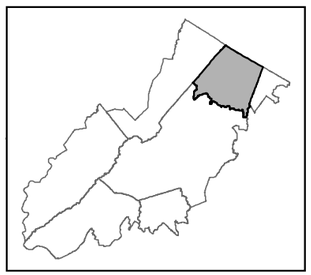

Highlands Council
New Jersey

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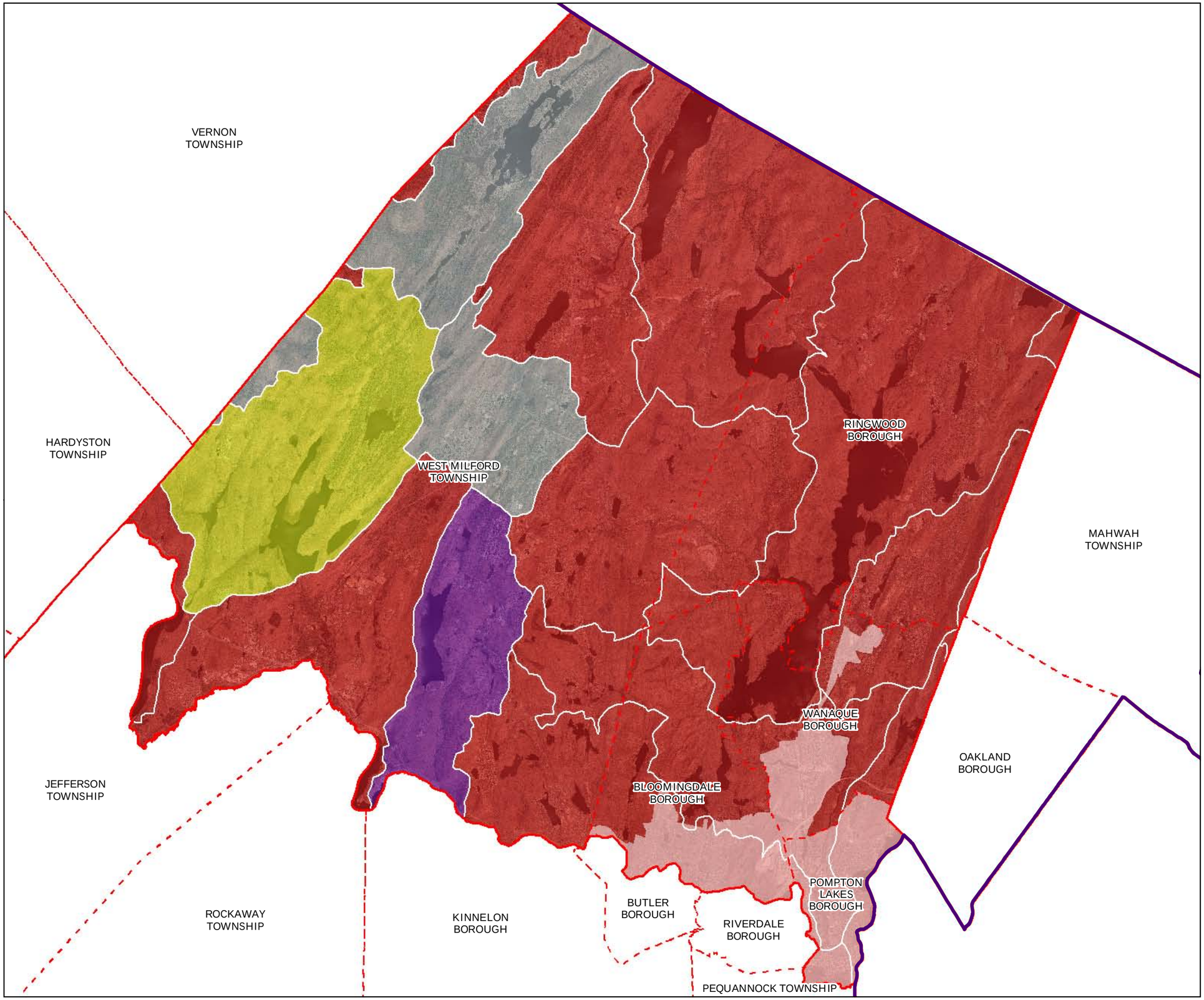

Passaic County

Environmental Resource Inventory

HUC 14 Subwatersheds on NJDEP Impaired Waters List

Impaired Waters Overall Assessment by HUC14 Subwatershed

- *Non Impacted*
- *Insufficient Data Available*
- *Moderate*
- *Water Quality Impaired*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4

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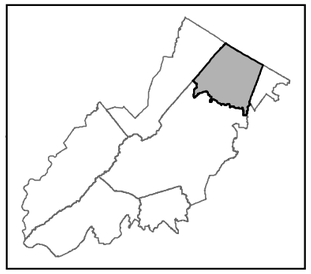
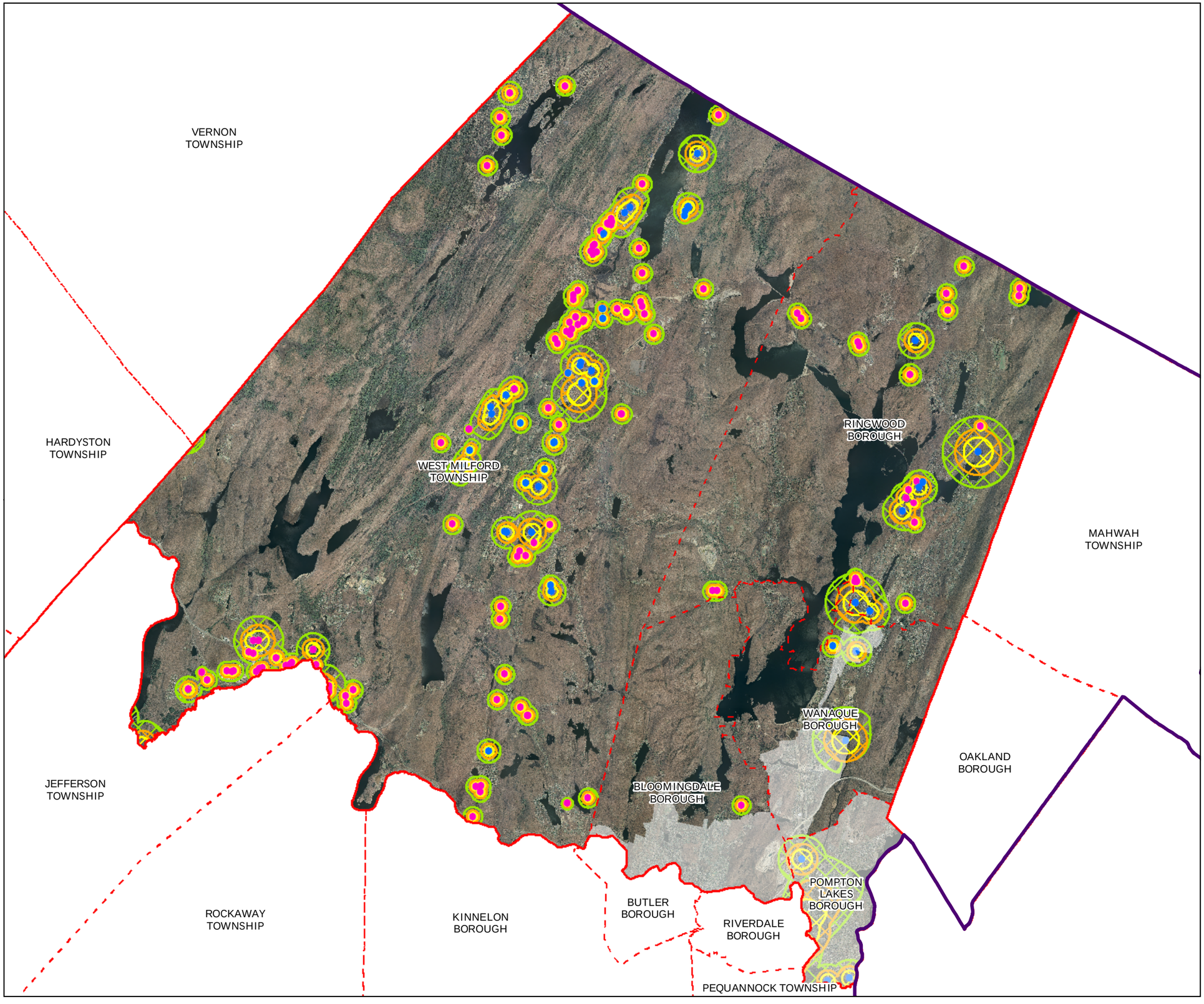


Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009



Passaic County

Environmental Resource Inventory

Wellhead Protection Areas

- Public Community Wells
- Public Non-Community Wells

Wellhead Protection Areas

- *2-Year Tier*
- *5-Year Tier*
- *12-Year Tier*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4

Miles

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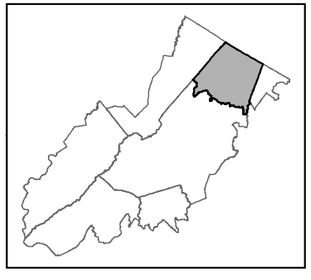

Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

RESERVED

RESERVED

Passaic County

Environmental Resource Inventory

Preserved Farms, SADC Easements, All Agricultural Uses

VERNON TOWNSHIP

HARDYSTON TOWNSHIP

WEST MILFORD TOWNSHIP

RINGWOOD BOROUGH

MAHWAH TOWNSHIP

WANAQUE BOROUGH

OAKLAND BOROUGH

JEFFERSON TOWNSHIP

BLOOMINGDALE BOROUGH

ROCKAWAY TOWNSHIP

KINNELON BOROUGH

BUTLER BOROUGH

RIVERDALE BOROUGH

POMPTON LAKES BOROUGH

PEQUANNOCK TOWNSHIP

SADC Easements

- *SADC Final*
- *SADC 8 Year*
- *SADC Preserved*
- Preserved Farmland
- Agriculture Uses
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4

Miles

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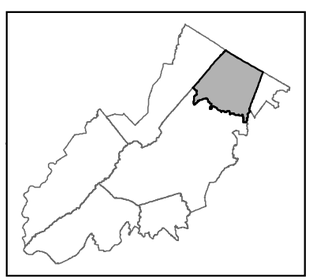
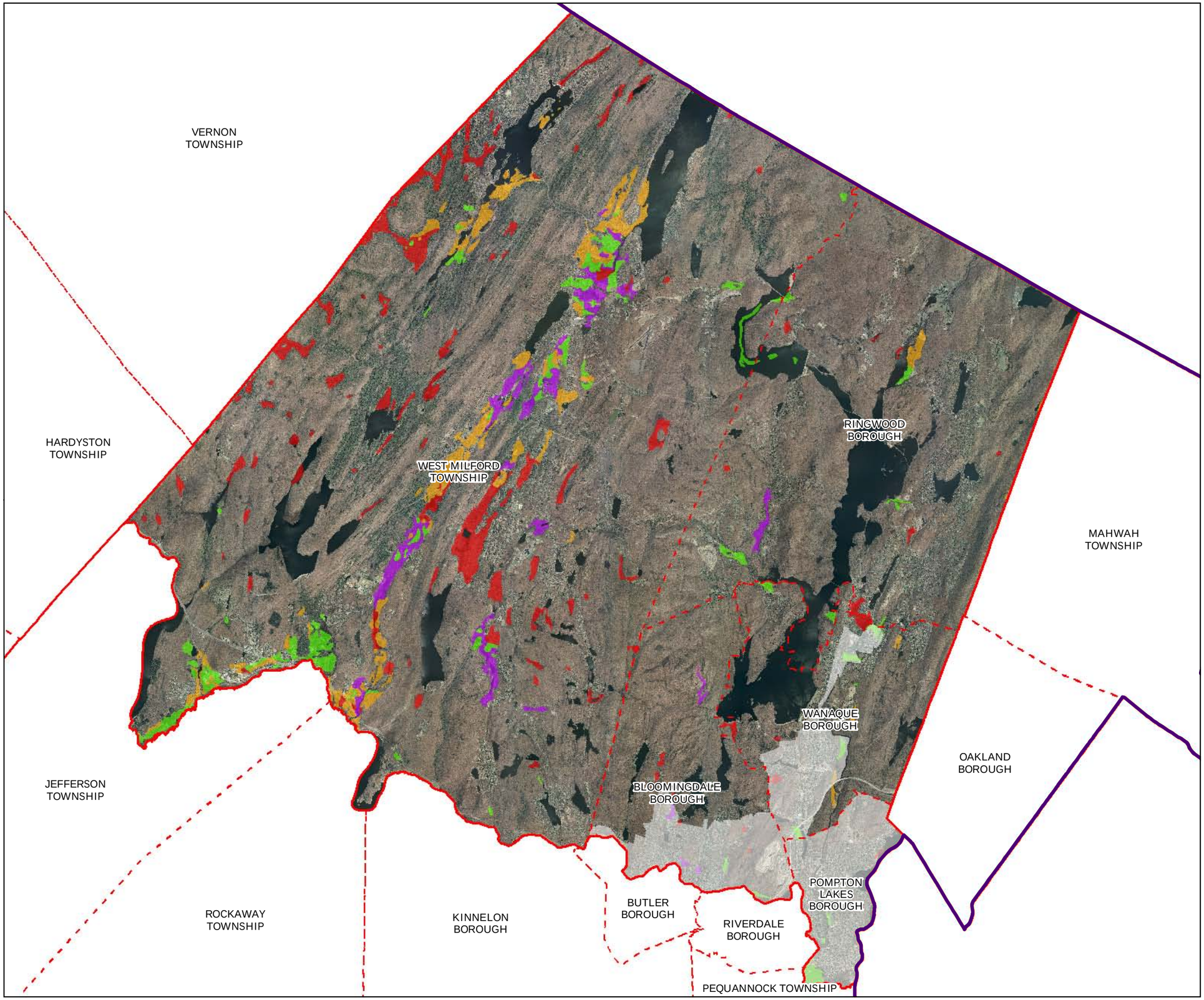


Prepared by New Jersey Highlands Council: August, 2009



Passaic County

Environmental Resource Inventory

Important Farmland Soils

Important Farmland Soils

- *Prime Farmland*
- *Farmland of Local Importance*
- *Farmland of Statewide Importance*
- *Farmland of Unique Importance*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4

Miles

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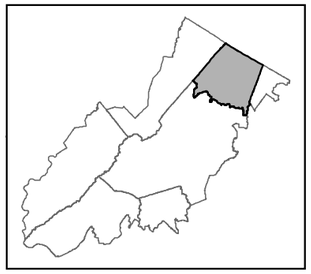

Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Historic, Cultural, and Archeological Resources Inventory

VERNON TOWNSHIP
HARDYSTON TOWNSHIP
WEST MILFORD TOWNSHIP
RINGWOOD BOROUGH
MAHWAH TOWNSHIP
WANAQUE BOROUGH
OAKLAND BOROUGH
JEFFERSON TOWNSHIP
BLOOMINGDALE BOROUGH
ROCKAWAY TOWNSHIP
KINNELON BOROUGH
BUTLER BOROUGH
RIVERDALE BOROUGH
POMPTON LAKES BOROUGH
PEQUANNOCK TOWNSHIP

- Archaeological Grids (1 sqmi)
- NJ Historic Districts
- Historic Property Points
- Historic Property Polygons
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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Miles

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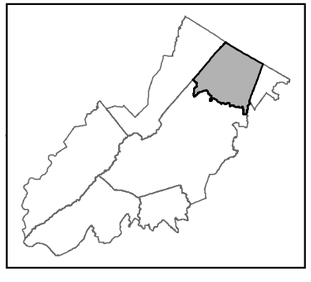


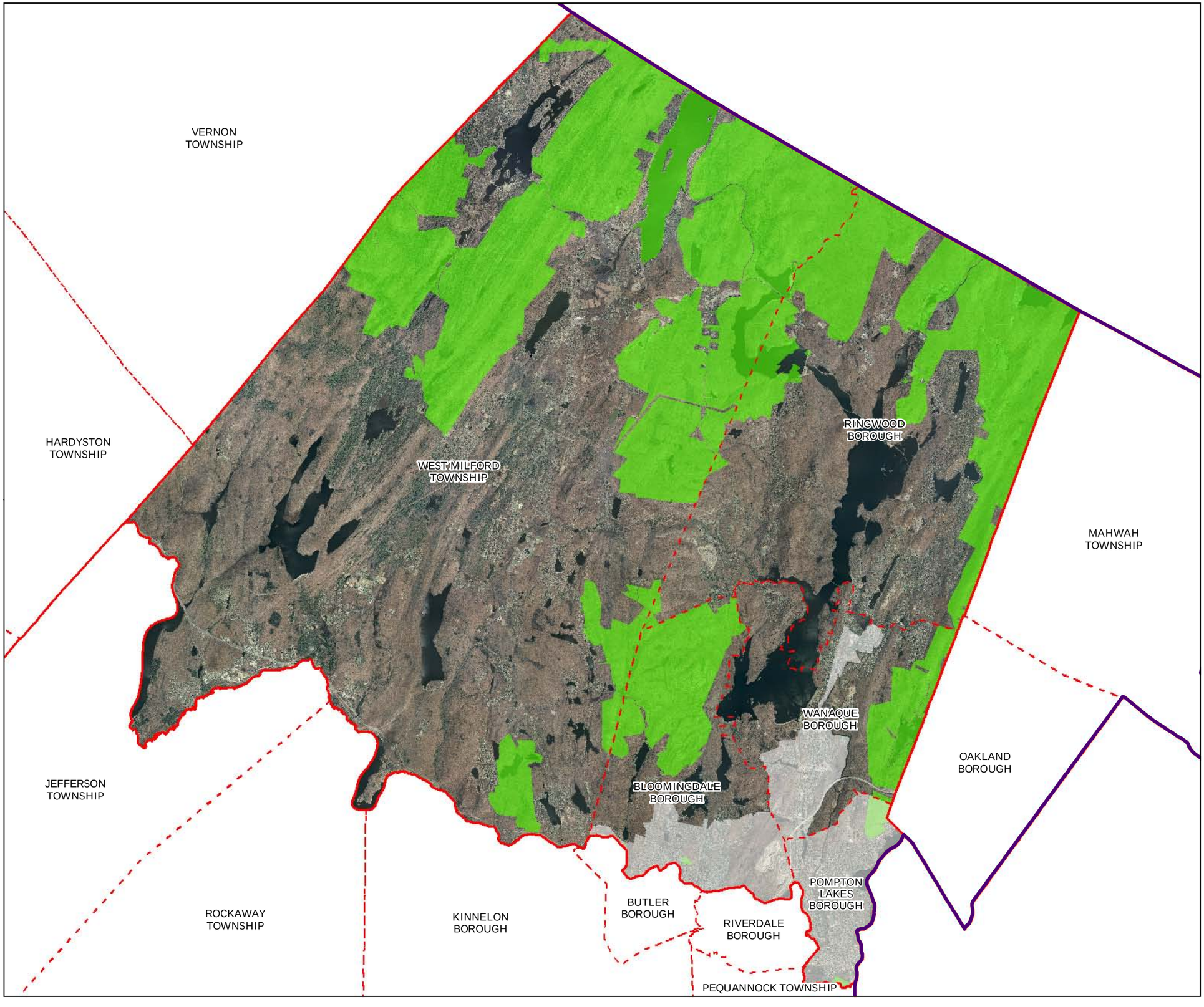
Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Baseline Scenic Resources Inventory



- Scenic Resources
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4

Miles

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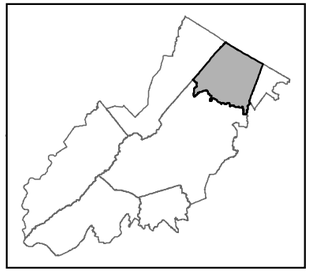

Highlands Council New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Highlands Contaminated Site Inventory

VERNON TOWNSHIP

HARDYSTON TOWNSHIP

WEST MILFORD TOWNSHIP

RINGWOOD BOROUGH

MAHWAH TOWNSHIP

WANAQUE BOROUGH

OAKLAND BOROUGH

JEFFERSON TOWNSHIP

BLOOMINGDALE BOROUGH

POMPTON LAKES BOROUGH

BUTLER BOROUGH

RIVERDALE BOROUGH

ROCKAWAY TOWNSHIP

KINNELON BOROUGH

PEQUANNOCK TOWNSHIP

Highlands Contaminated Site Inventory

- *Tier 1 Sites*
- *Tier 1 Sites (Polygons)*
- *Tier 2 Sites*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4

Miles

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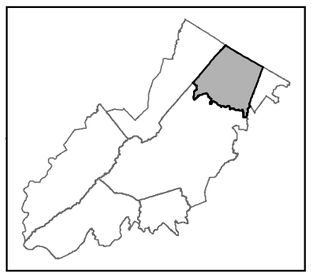
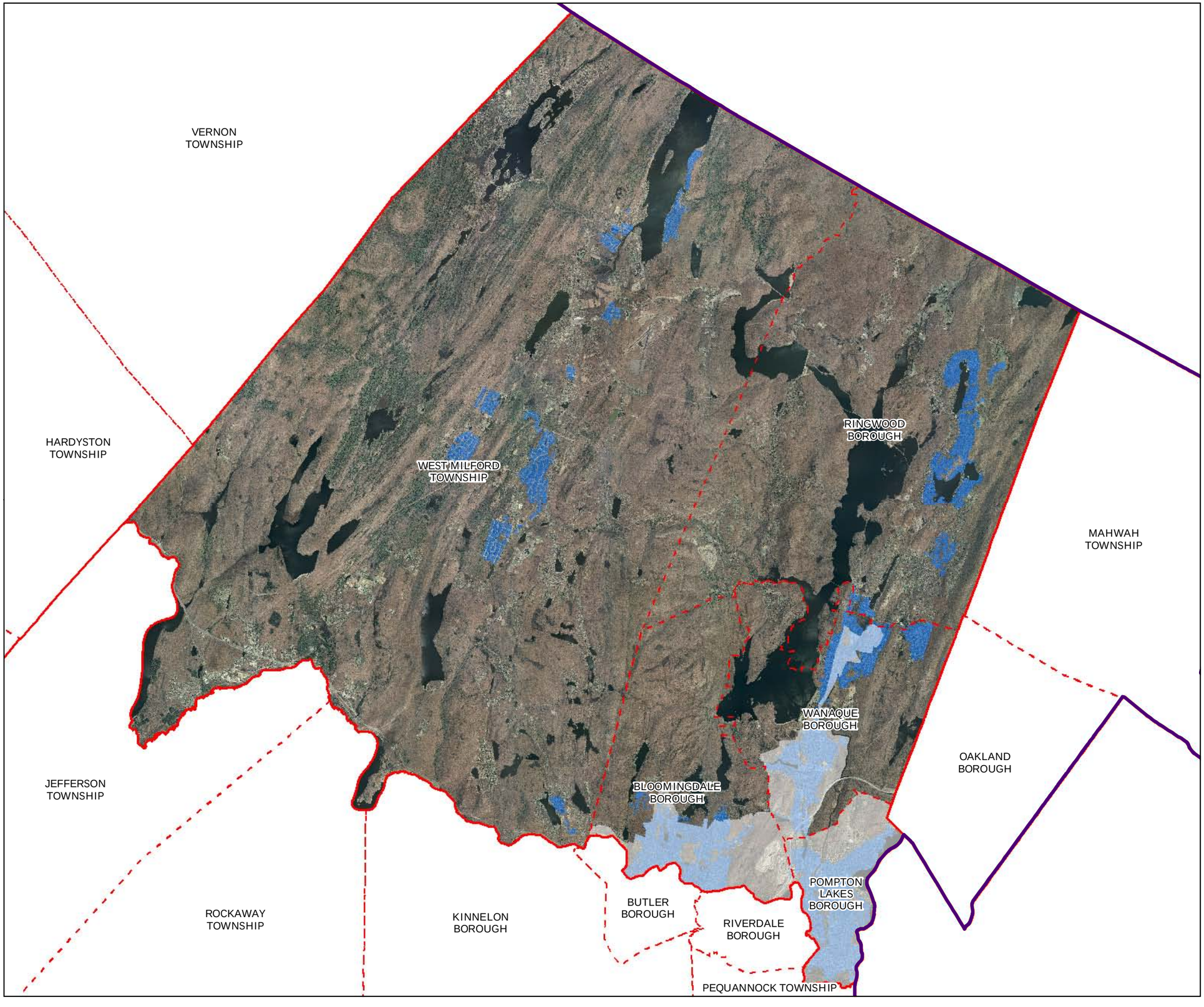


Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Public Community Water Systems



- Public Community Water Systems
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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Miles

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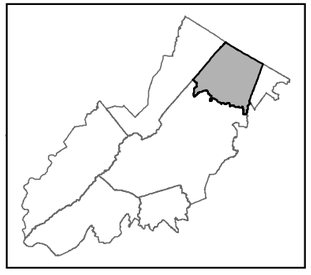


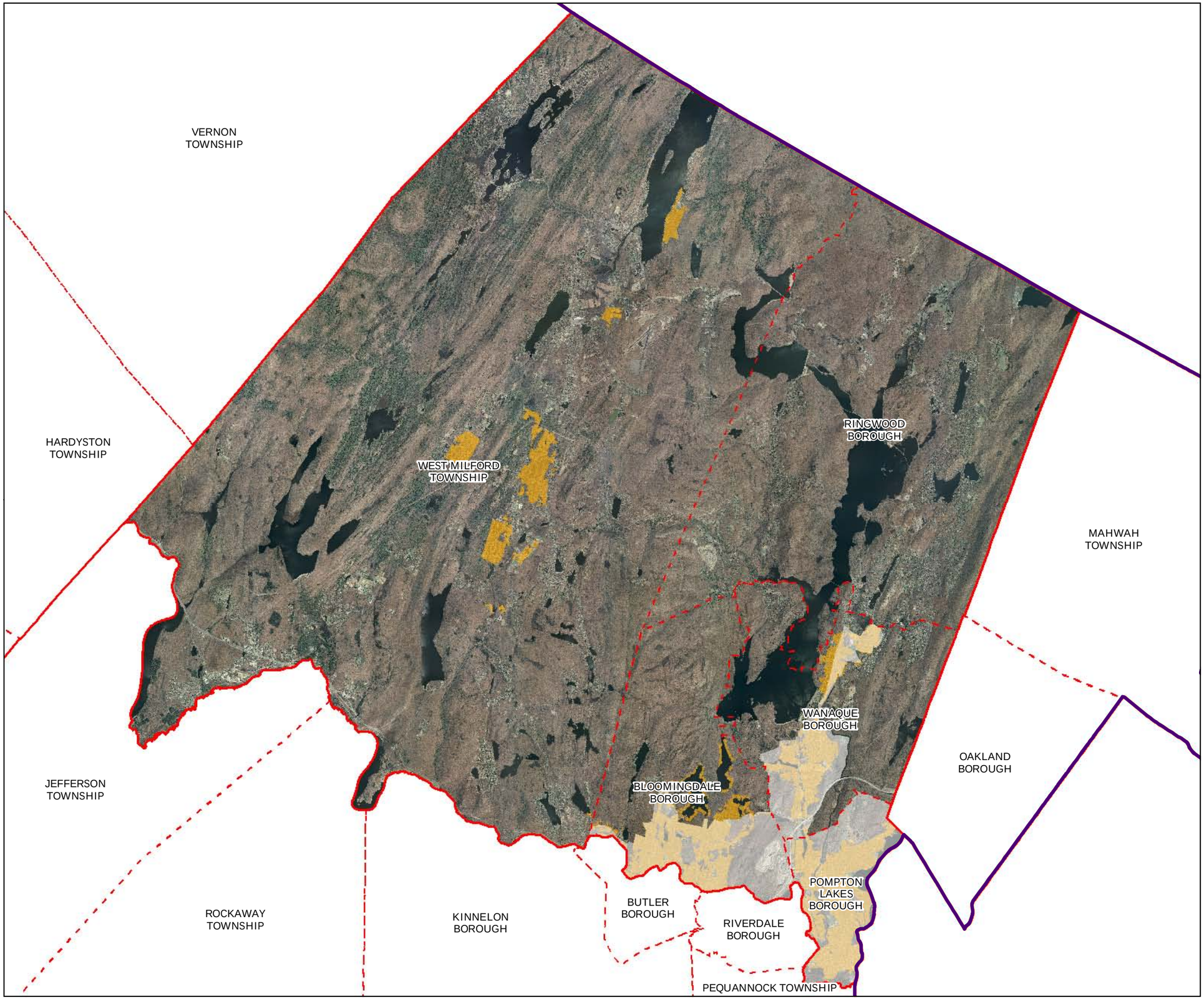
Highlands Council
New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Highlands Domestic Sewerage Facilities



- Existing Area Served
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4

Miles

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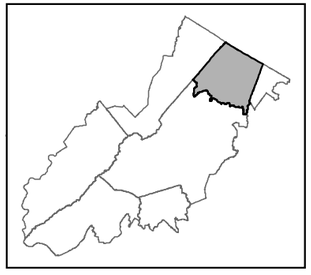

Highlands Council New Jersey

Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Highlands Roadway Network

VERNON TOWNSHIP

HARDYSTON TOWNSHIP

WEST MILFORD TOWNSHIP

RINGWOOD BOROUGH

MAHWAH TOWNSHIP

JEFFERSON TOWNSHIP

ROCKAWAY TOWNSHIP

KINNELON BOROUGH

BUTLER BOROUGH

BLOOMINGDALE BOROUGH

WANAQUE BOROUGH

OAKLAND BOROUGH

RIVERDALE BOROUGH

POMPTON LAKES BOROUGH

PEQUANNOCK TOWNSHIP

Roadway Network

- *Interstate Highways*
- *U.S. Routes*
- *State Routes*
- *County Routes*
- *Local Routes*
- Municipal Boundaries
- County Boundaries
- Highlands Region Boundary
- Highlands Preservation Area
- Highlands Planning Area

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0 1 2 3 4

Miles

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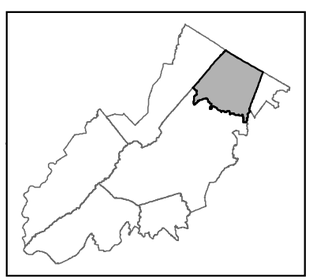
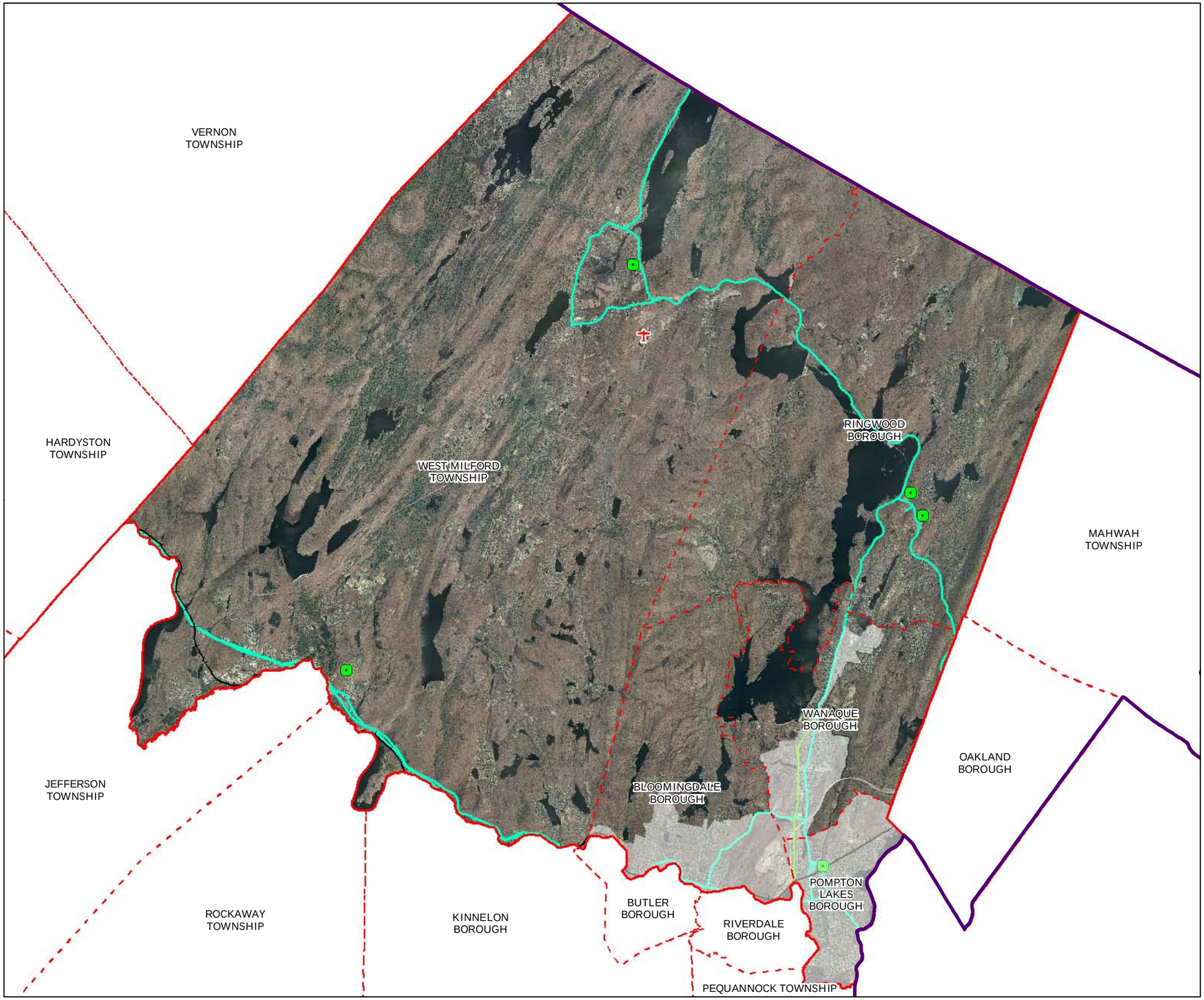


Prepared by New Jersey Highlands Council: August, 2009

Passaic County

Environmental Resource Inventory

Highlands Transit Network



Rail Network

- *Boonton Line*
- *Main Line & Bergen County Line*
- *Morris and Essex Line*
- *Raritan Valley Line*

Freight Rail Lines

- *Freight Rail Lines*
- *Abandoned Freight Rail*

Municipal Boundaries

County Boundaries

Highlands Region Boundary

Highlands Preservation Area

Highlands Planning Area

! Rail Stations

4 Park and Ride Sites

Private Bus Lines

NJ Transit Bus Lines

p Airports

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0 1 2 3 4

Miles

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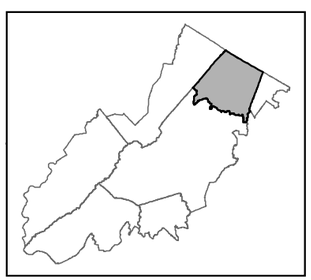

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New Jersey

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