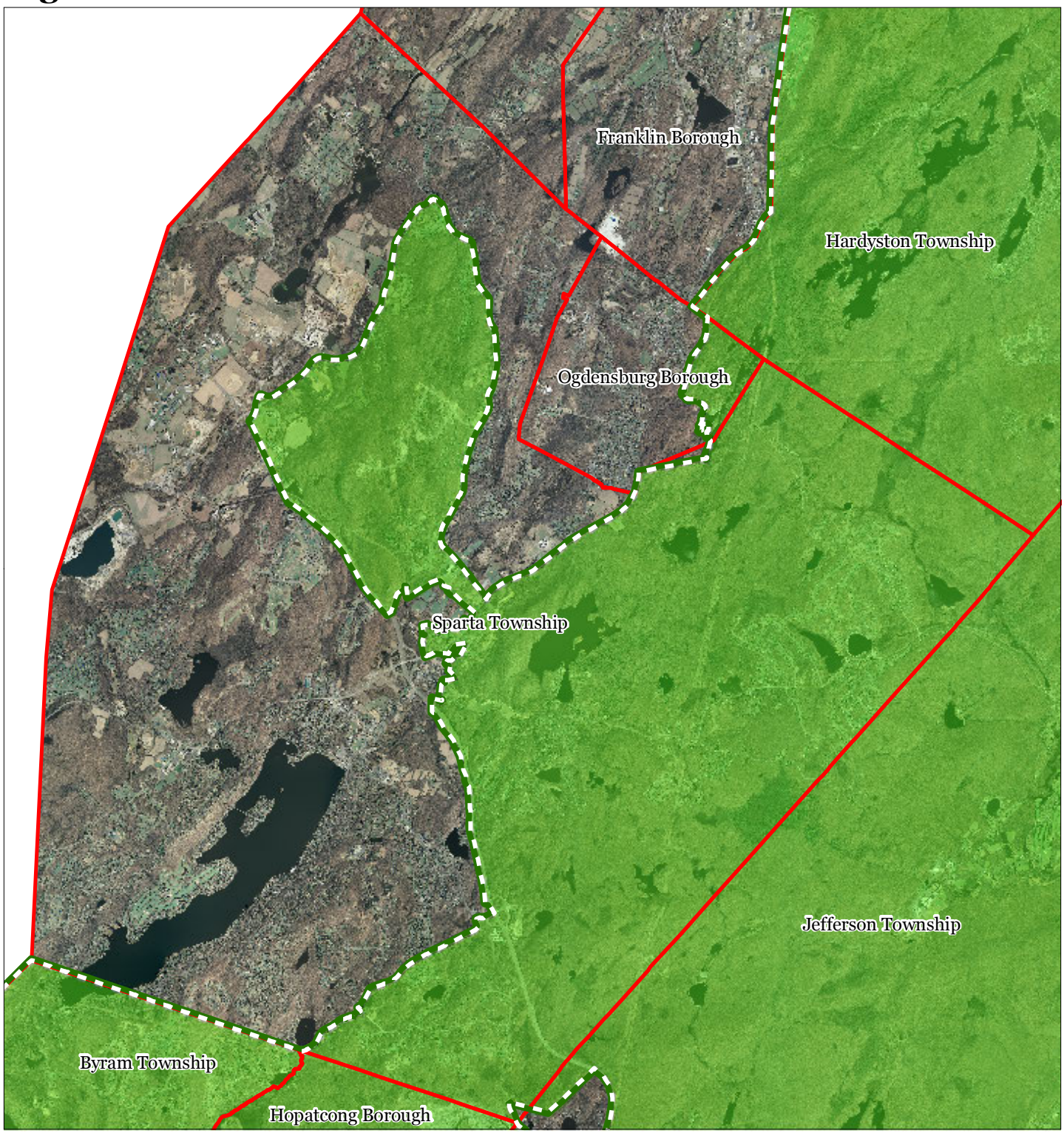
Figure 1: Preservation Area



Preservation Area
Municipal Boundaries

Sparta Township

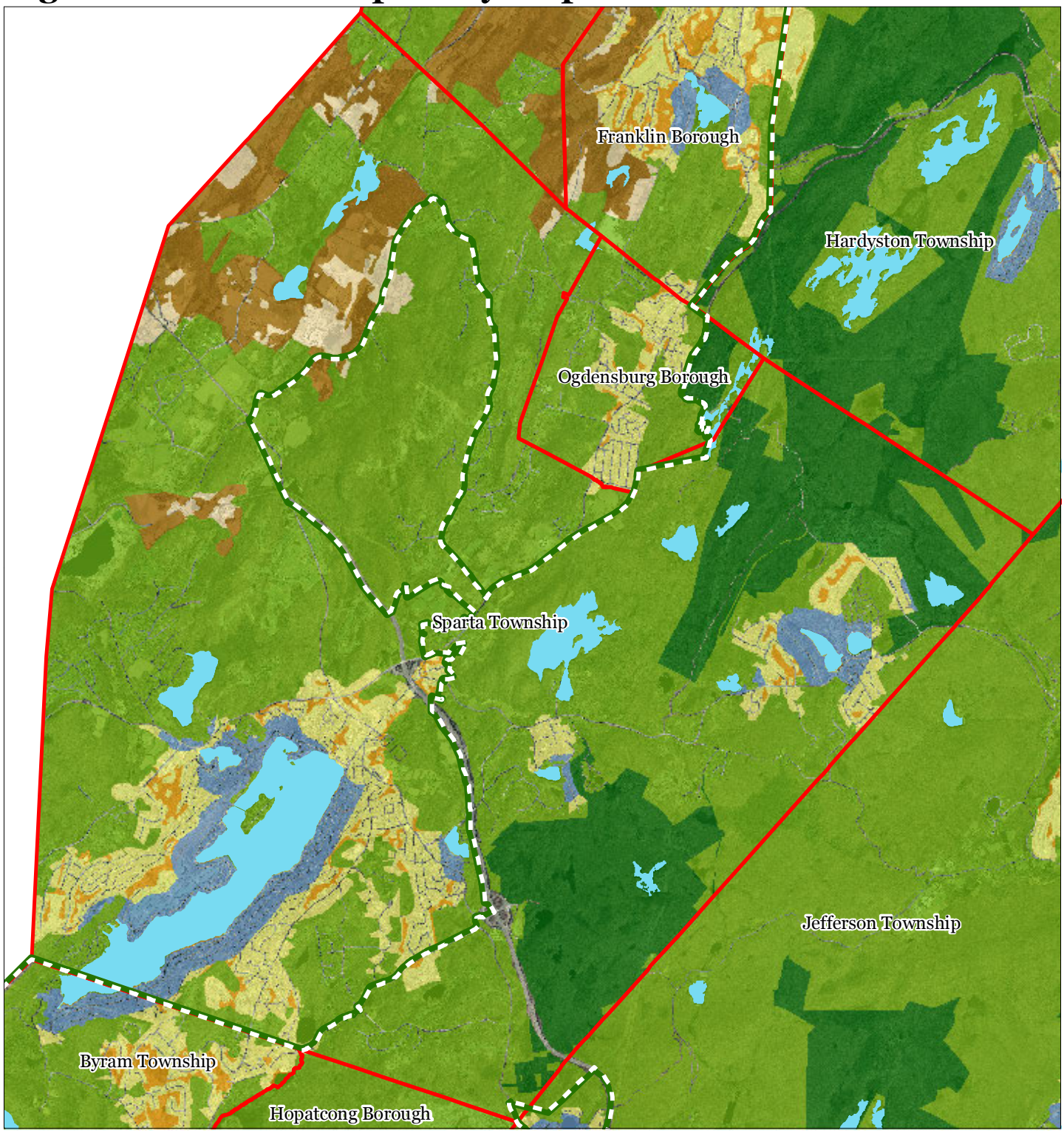
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 2: Land Use Capability Map Zones



Regional Master Plan Overlay Zone Designation

Zone

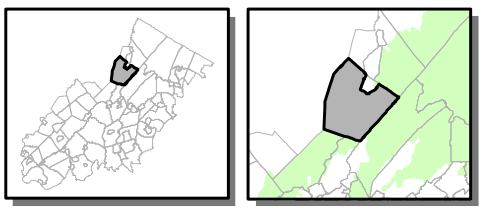
- *Protection*
- *Conservation*
- *Existing Community*

- Lakes Greater Than 10 acres
- Preservation Area
- Municipal Boundaries

Sub-Zone

- *Existing Community Environmentally Constrained*
- *Conservation Environmentally Constrained*
- *Lake Community*
- *Wildlife Management*

Sparta Township



1 inch = 1.043 miles

Highlands Council
New Jersey

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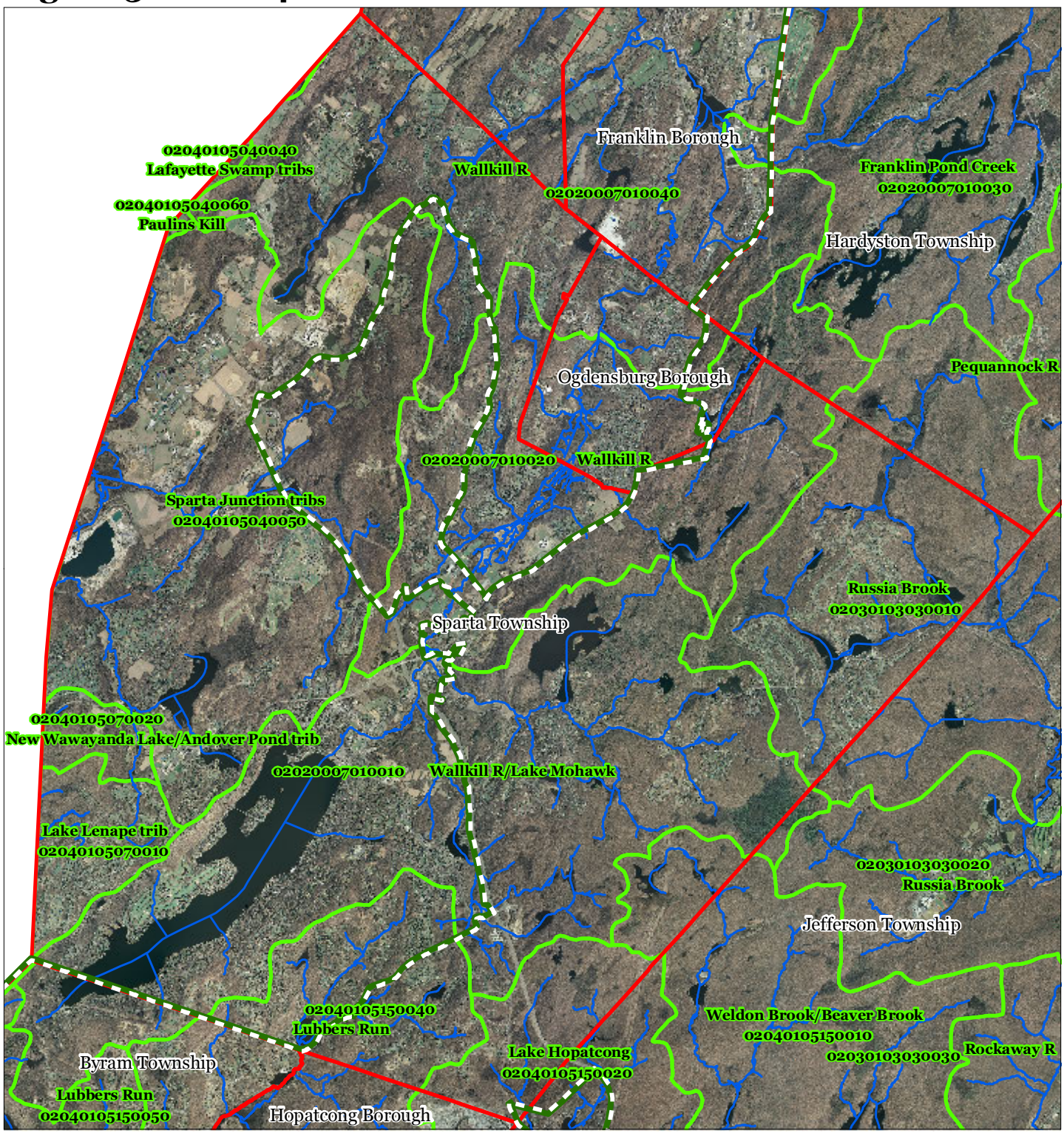
Figure 3: HUC 14 Boundaries



HUC 14 Subwatersheds
Stream Centerlines
Preservation Area
Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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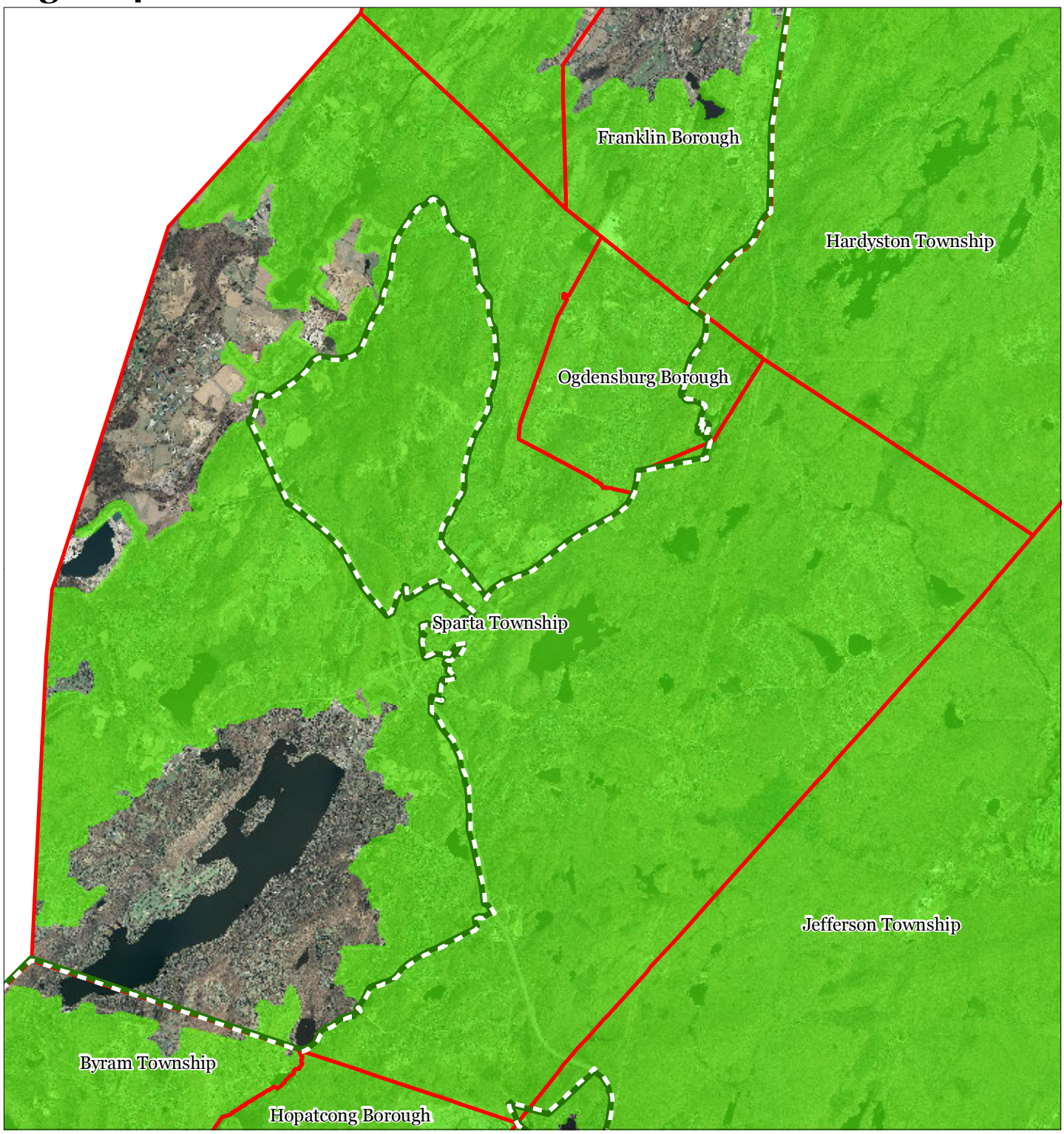
08/2011

Figure 4: Forest Resource Area



Forest Resource Area
Preservation Area
Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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Figure 5: Total Forest Area

Forested Areas
Preservation Area
Municipal Boundaries

Sparta Township

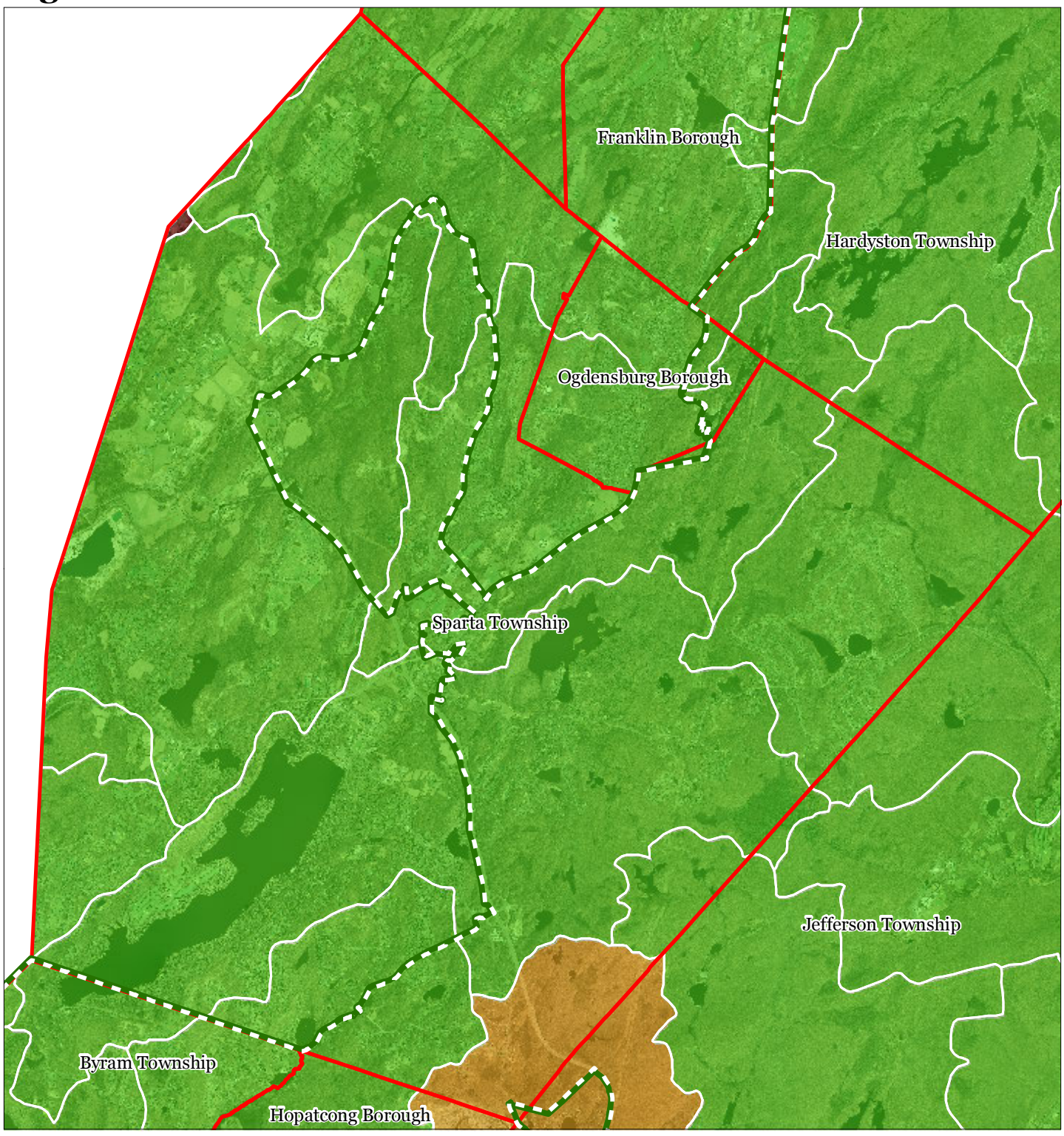
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 6: Forest Subwatersheds



Forest Integrity by HUC14 Subwatershed

- *Low*
- *Moderate*
- *High*
- Preservation Area
- Municipal Boundaries

Sparta Township

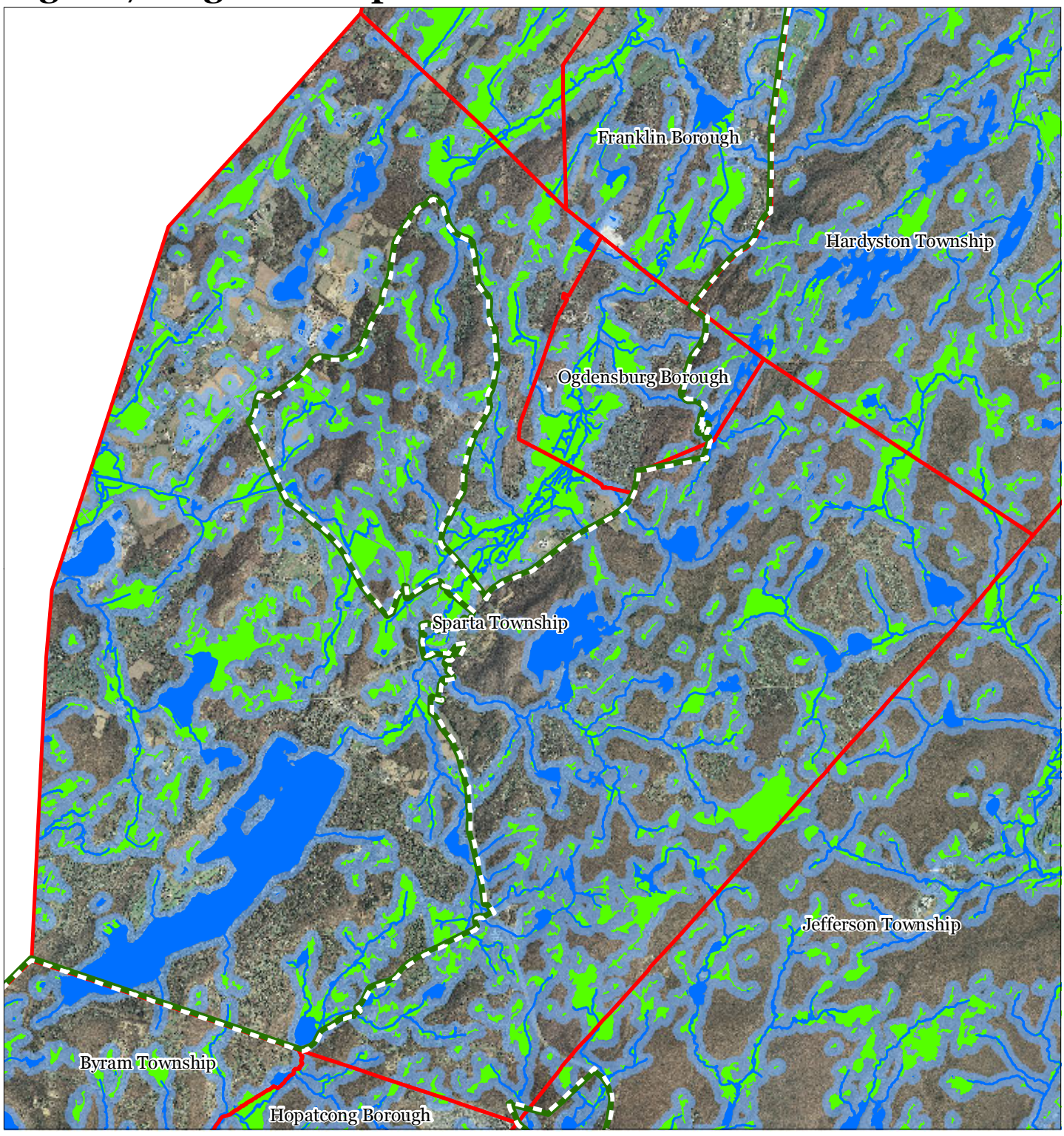
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 7: Highlands Open Waters



Highlands Open Water Buffers (300ft)
Streams
Wetlands
Lakes & Ponds
Preservation Area
Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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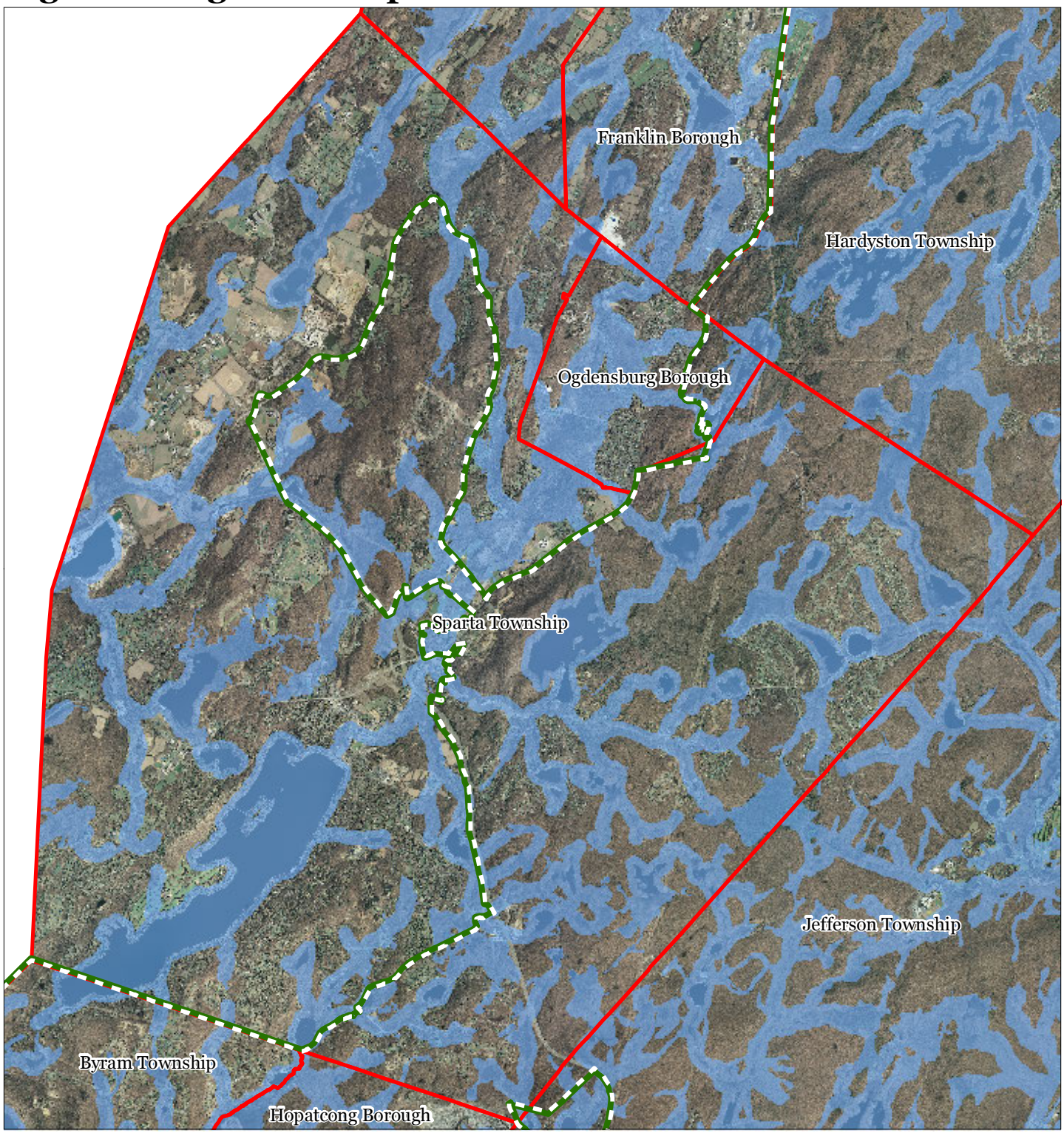
Figure 8: Highlands Riparian Areas



Riparian Area
Preservation Area
Municipal Boundaries

Sparta Township

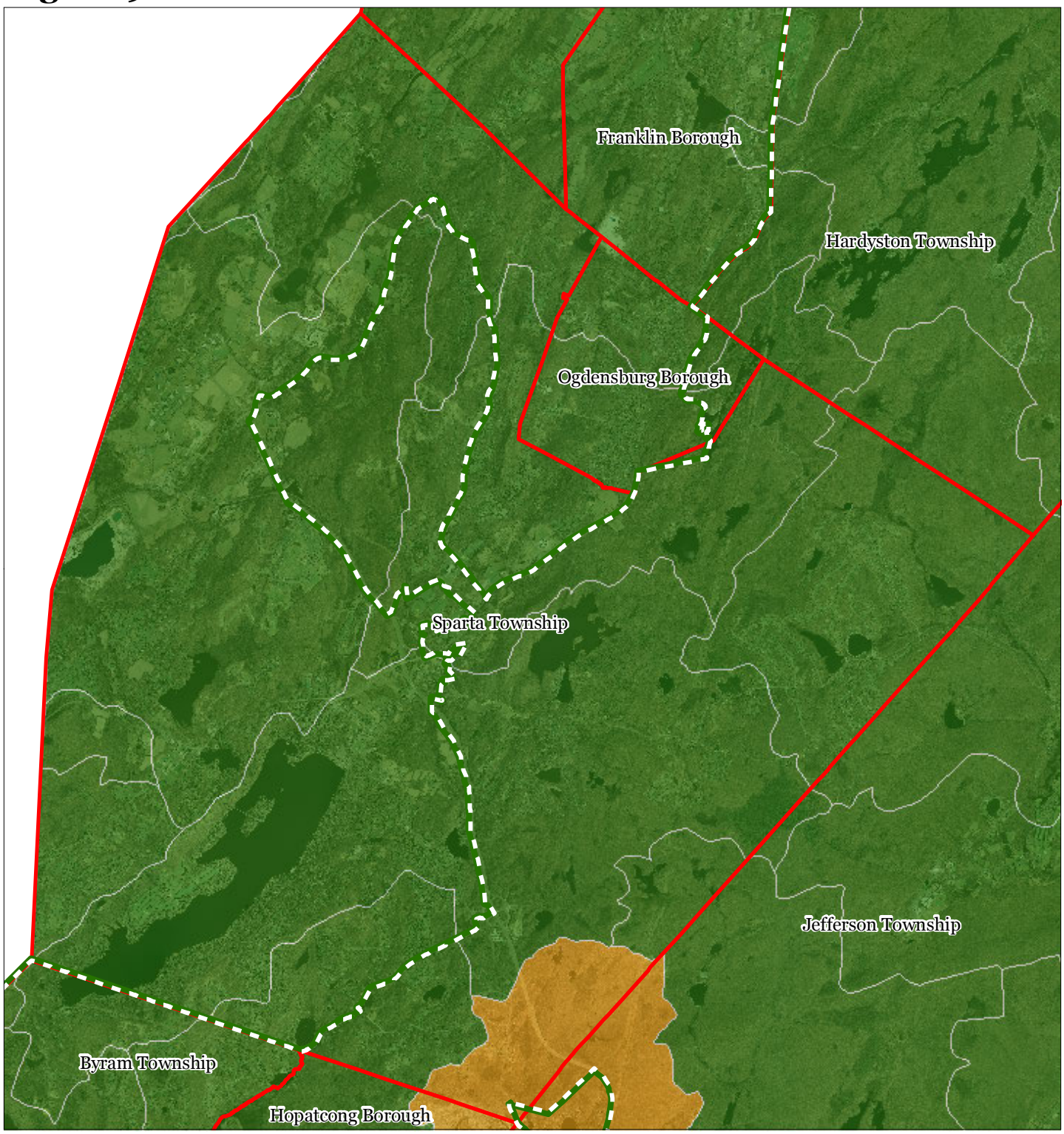
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 9: Watershed Values



Watershed Values by HUC14 Subwatershed

- *Low*
- *Moderate*
- *High*
- Preservation Area
- Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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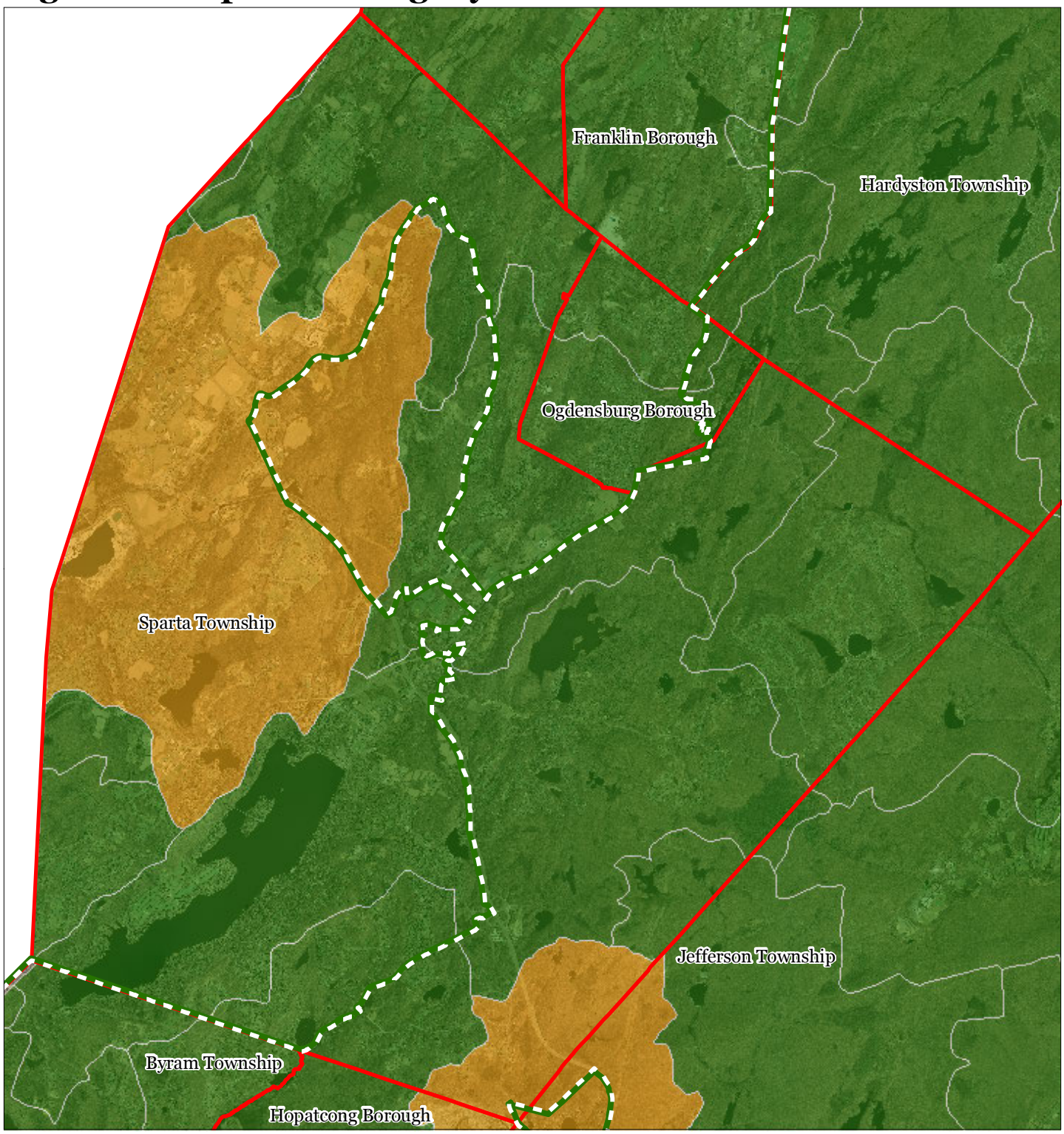
08/2011

Figure 10: Riparian Integrity



Riparian Integrity by HUC14 Subwatershed

- *Low*
- *Moderate*
- *High*
- Preservation Area
- Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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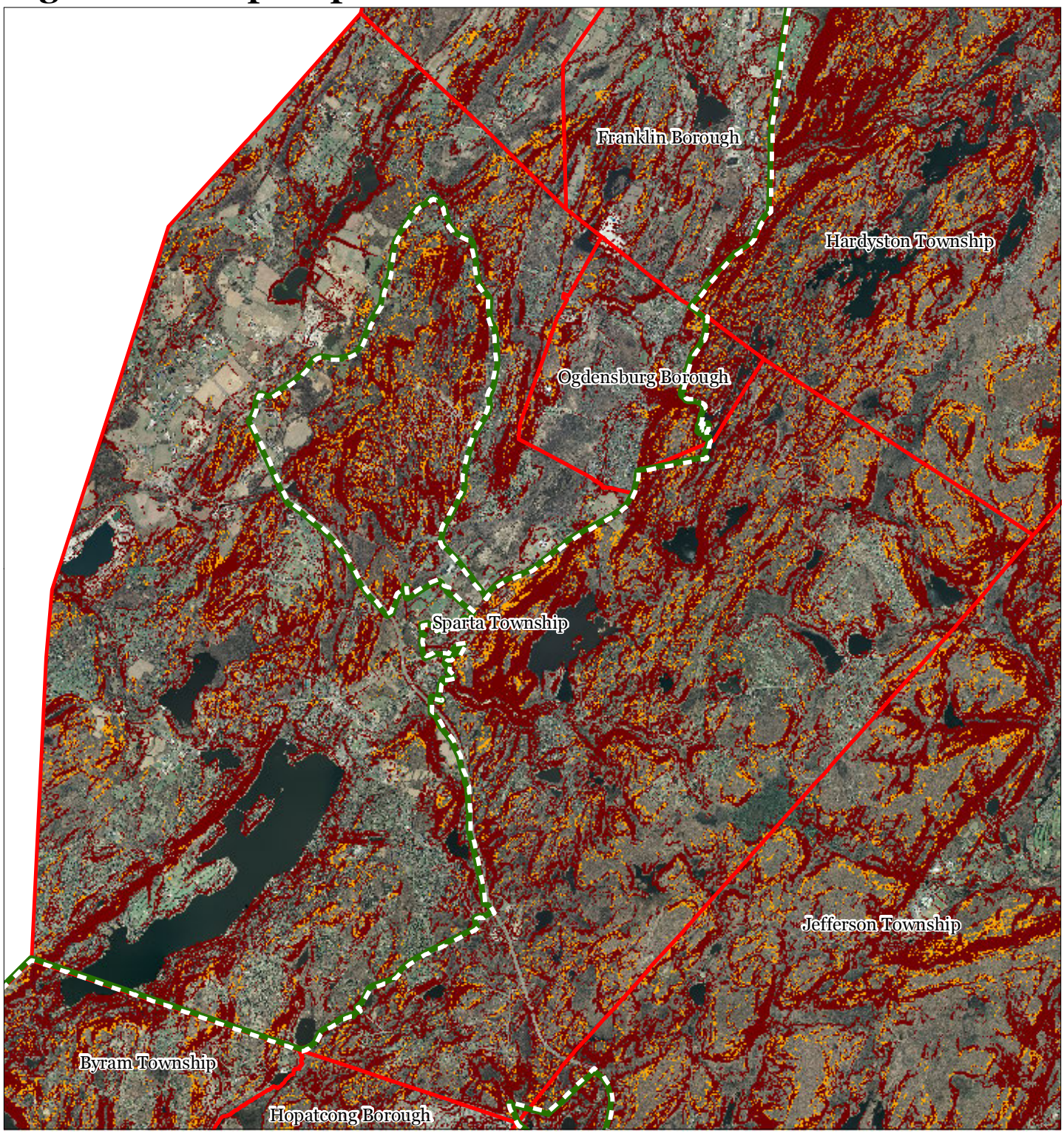
08/2011

Figure 11: Steep Slopes Protection Areas



Steep Slopes
- *Moderate*
- *Severe*
- Preservation Area
- Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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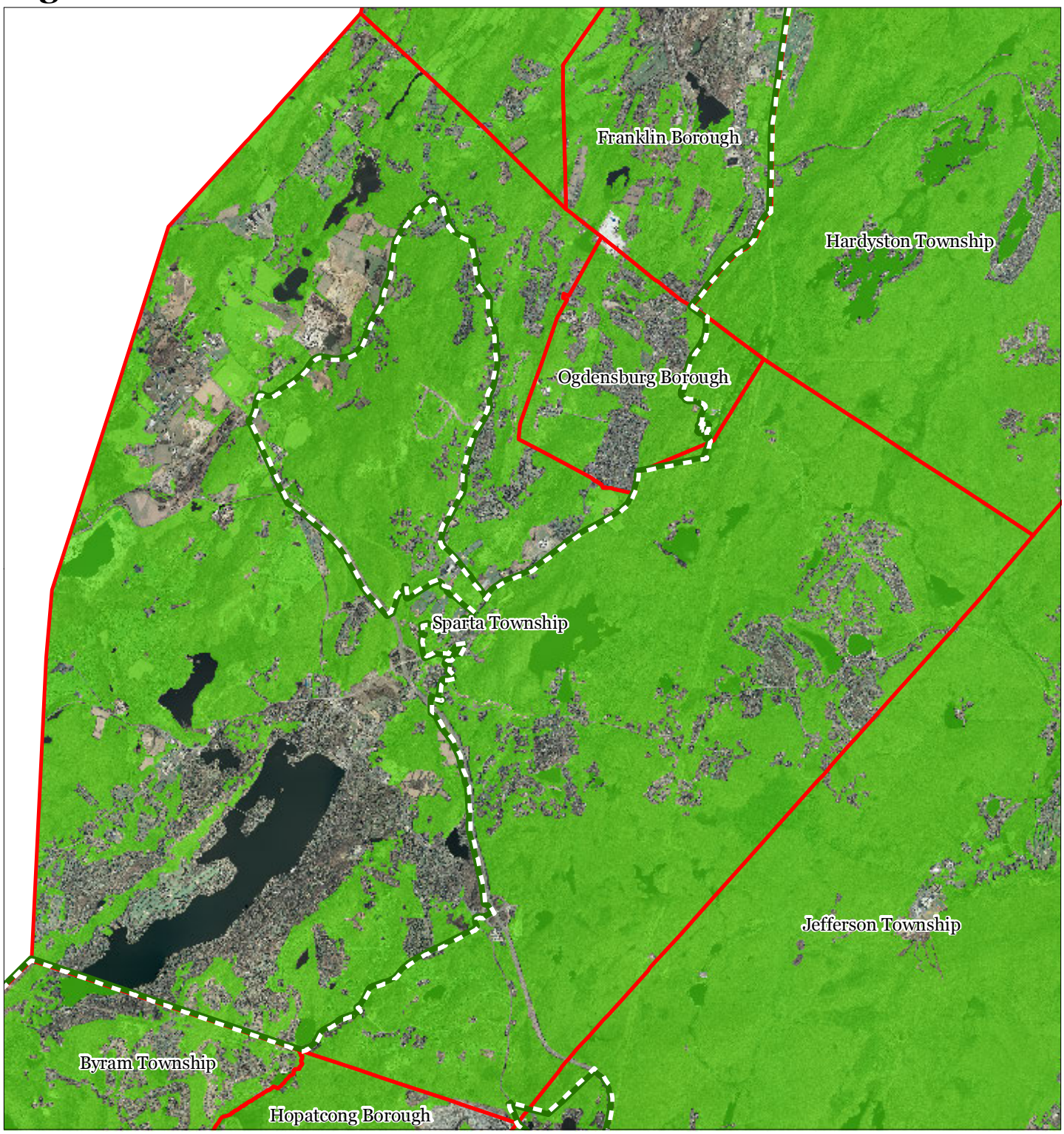
08/2011

Figure 12: Critical Wildlife Habitat



Critical Wildlife Habitat
Preservation Area
Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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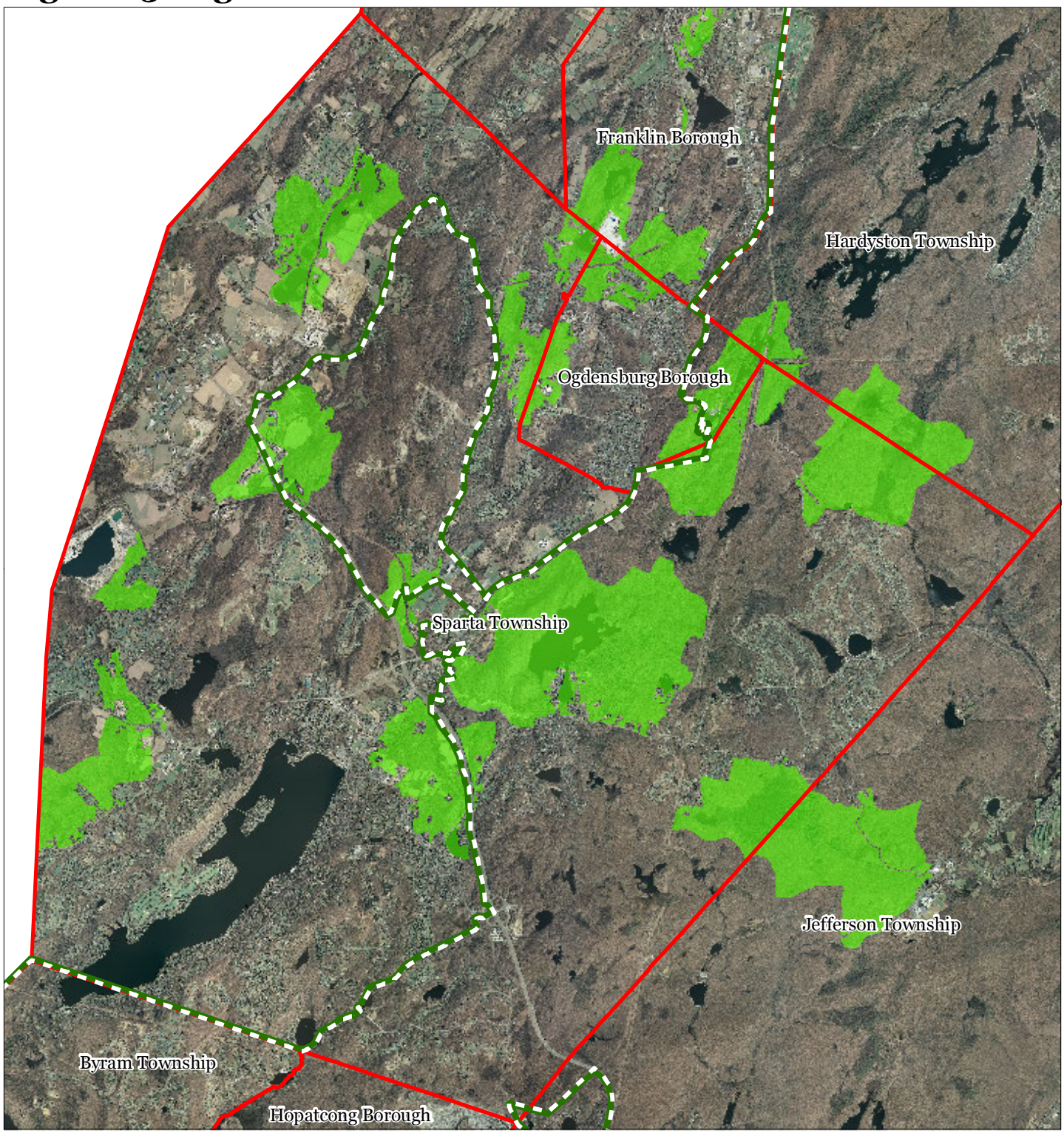
08/2011

Figure 13: Significant Natural Areas



Significant Natural Areas
Preservation Area
Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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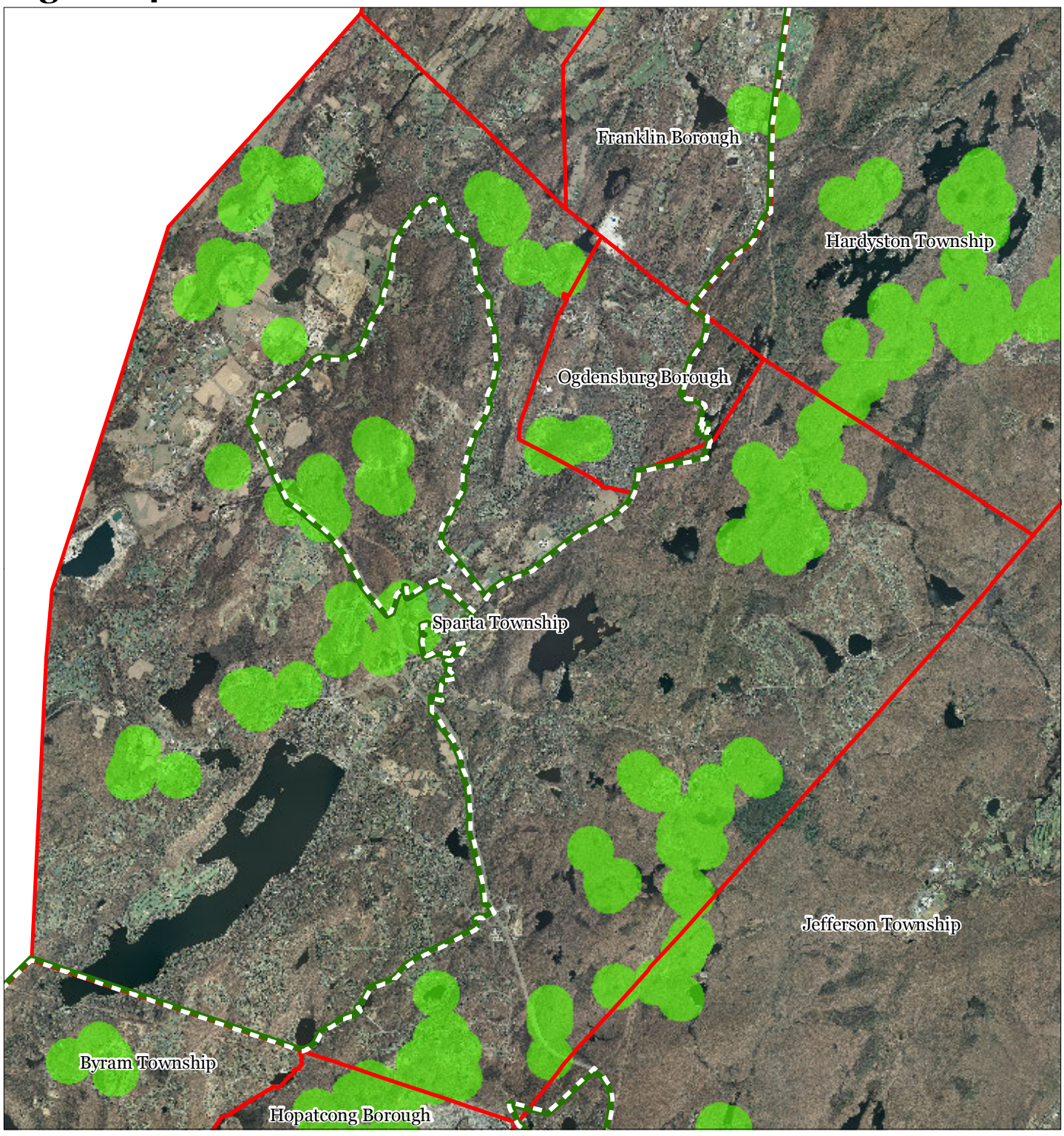
08/2011

Figure 14: Vernal Pools



Vernal Pools + 1000ft Buffer
Preservation Area
Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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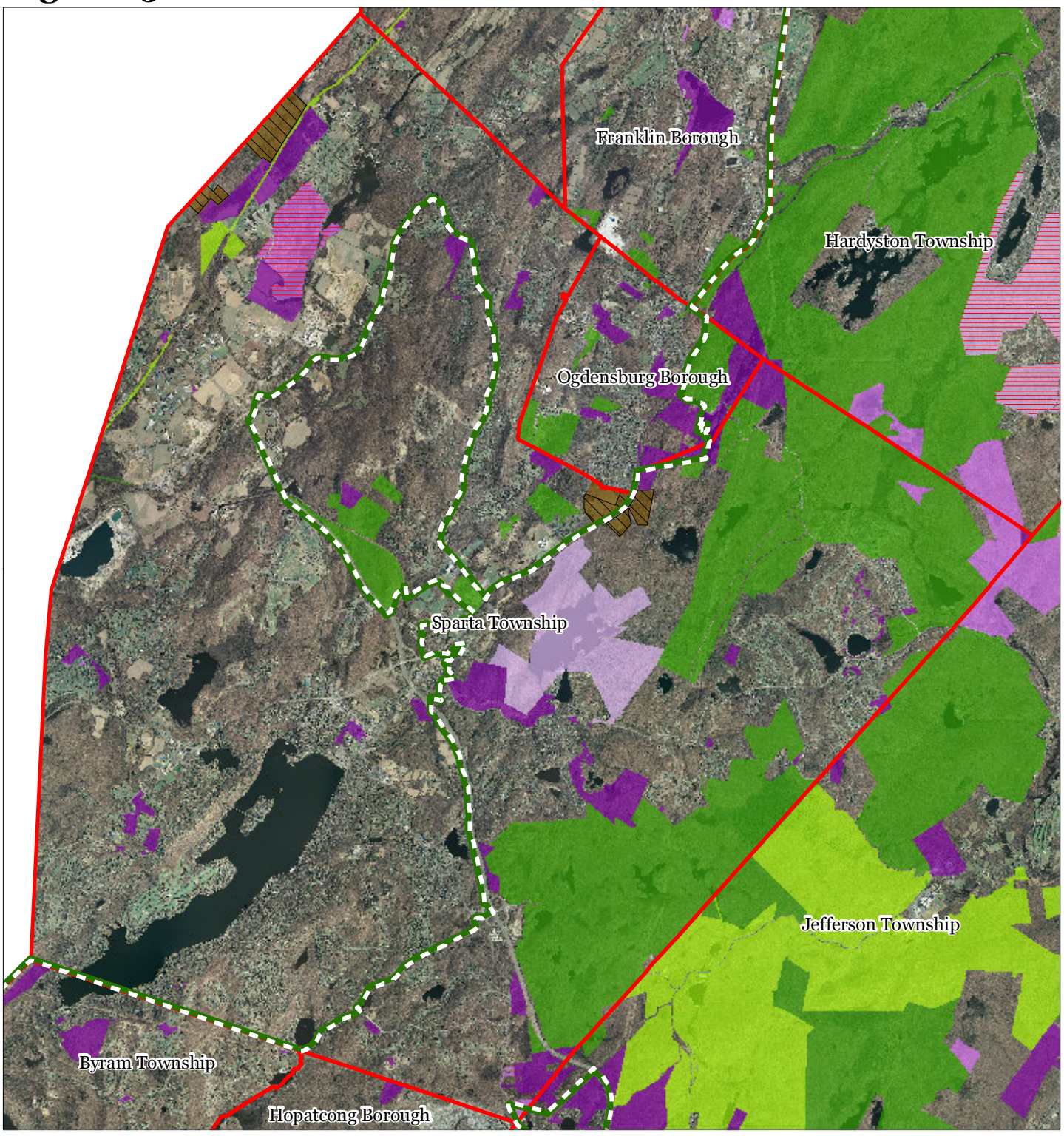
08/2011

Figure 15: Preserved Lands



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*
- *Highlands Transfer of Development Lands*

Conservation Easements
- *Green Acres*

SADC Easements
- *SADC Final*
- *SADC Preserved*
- Municipal Boundaries
- Preservation Area

Sparta Township

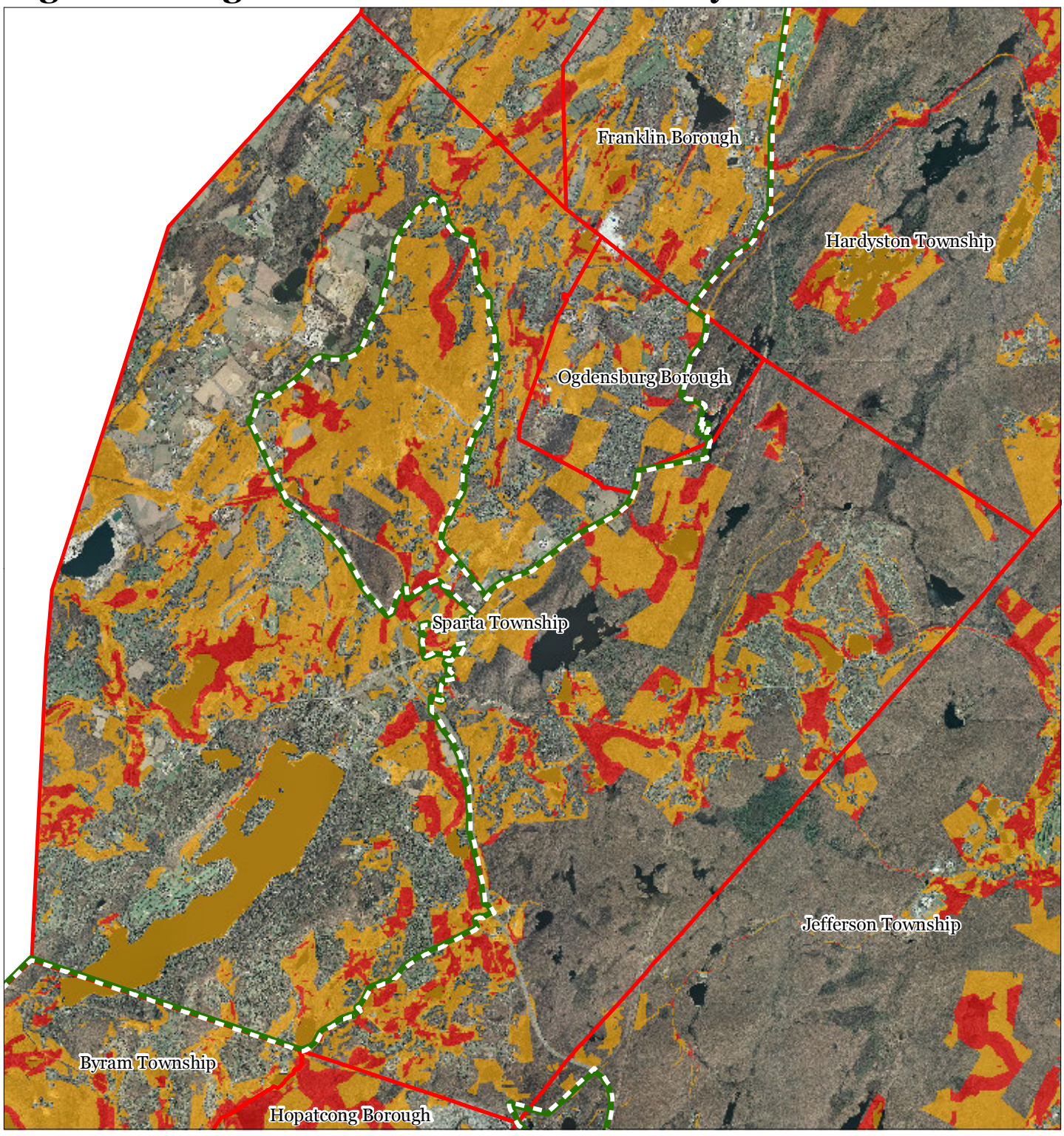
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 16: Highlands Conservation Priority Areas



Conservation Priority Area
- *Moderate*
- *High*
- Preservation Area
- Municipal Boundaries

Sparta Township

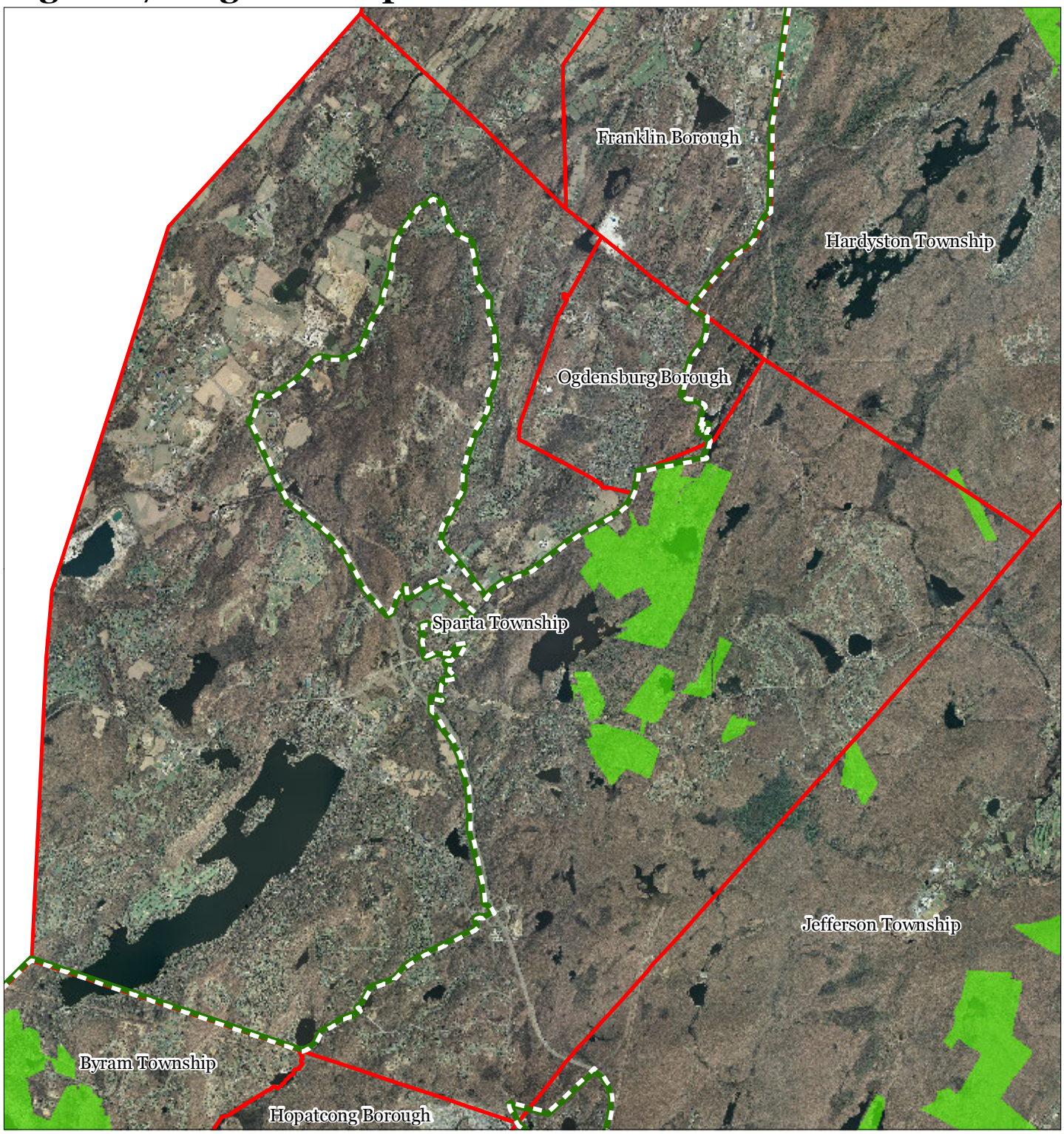
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 17: Highlands Special Environmental Zone



Special Environmental Zones
Preservation Area
Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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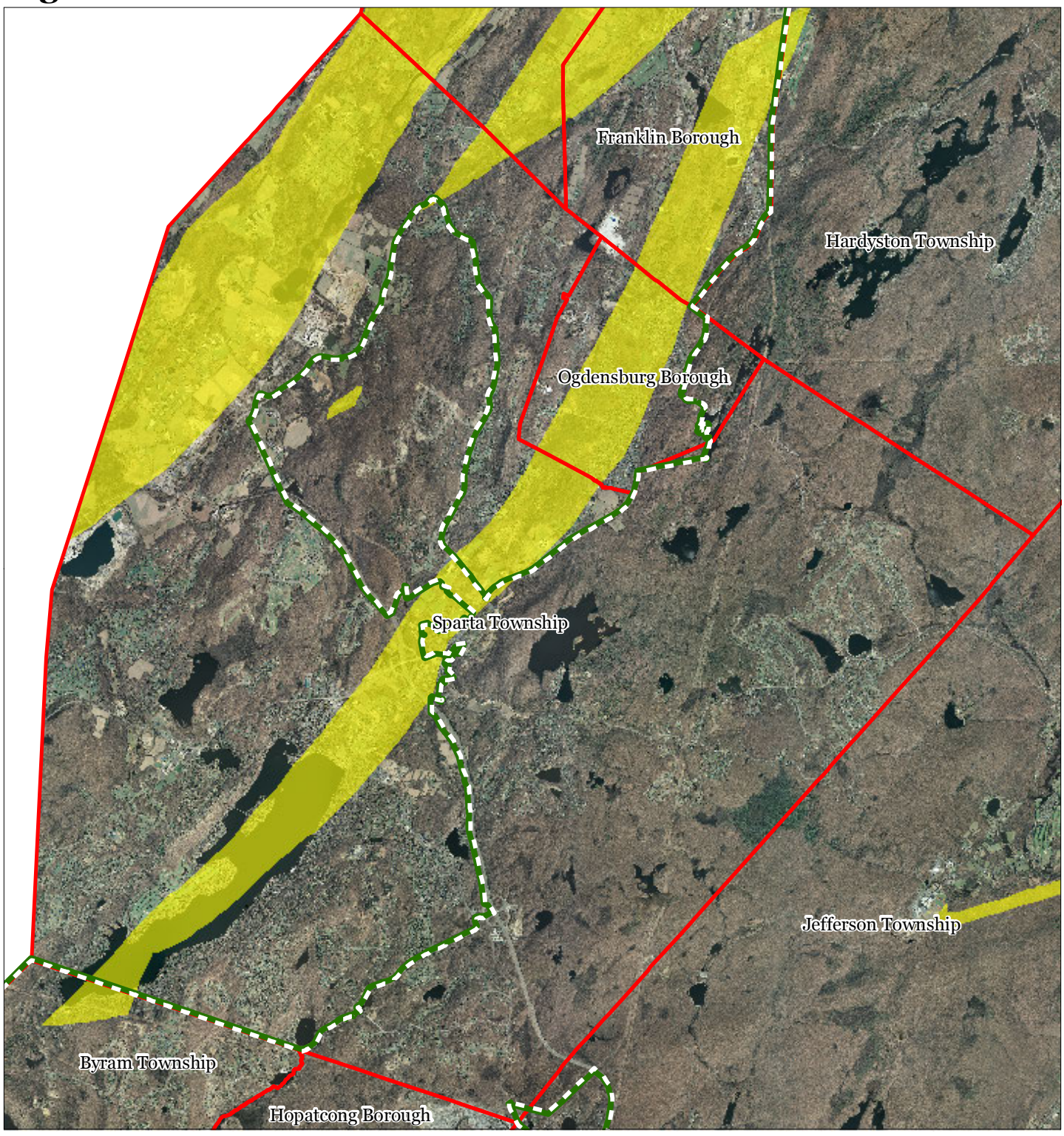
08/2011

Figure 18: Carbonate Rock Areas



Carbonate Rock Area
Preservation Area
Municipal Boundaries

Sparta Township

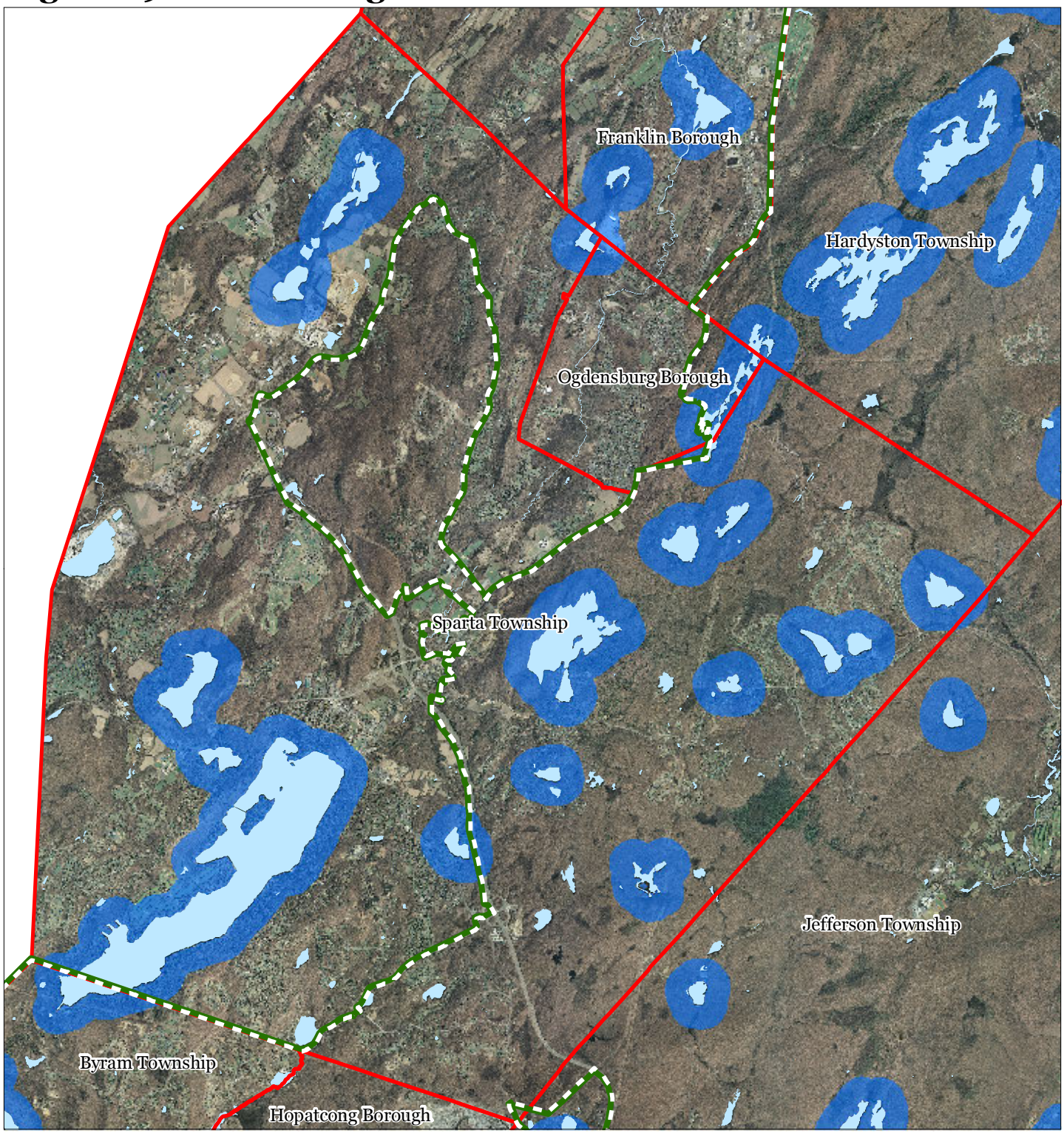
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 19: Lake Management Area



Lakes & Ponds
Lake Management Area
Preservation Area
Municipal Boundaries

Sparta Township

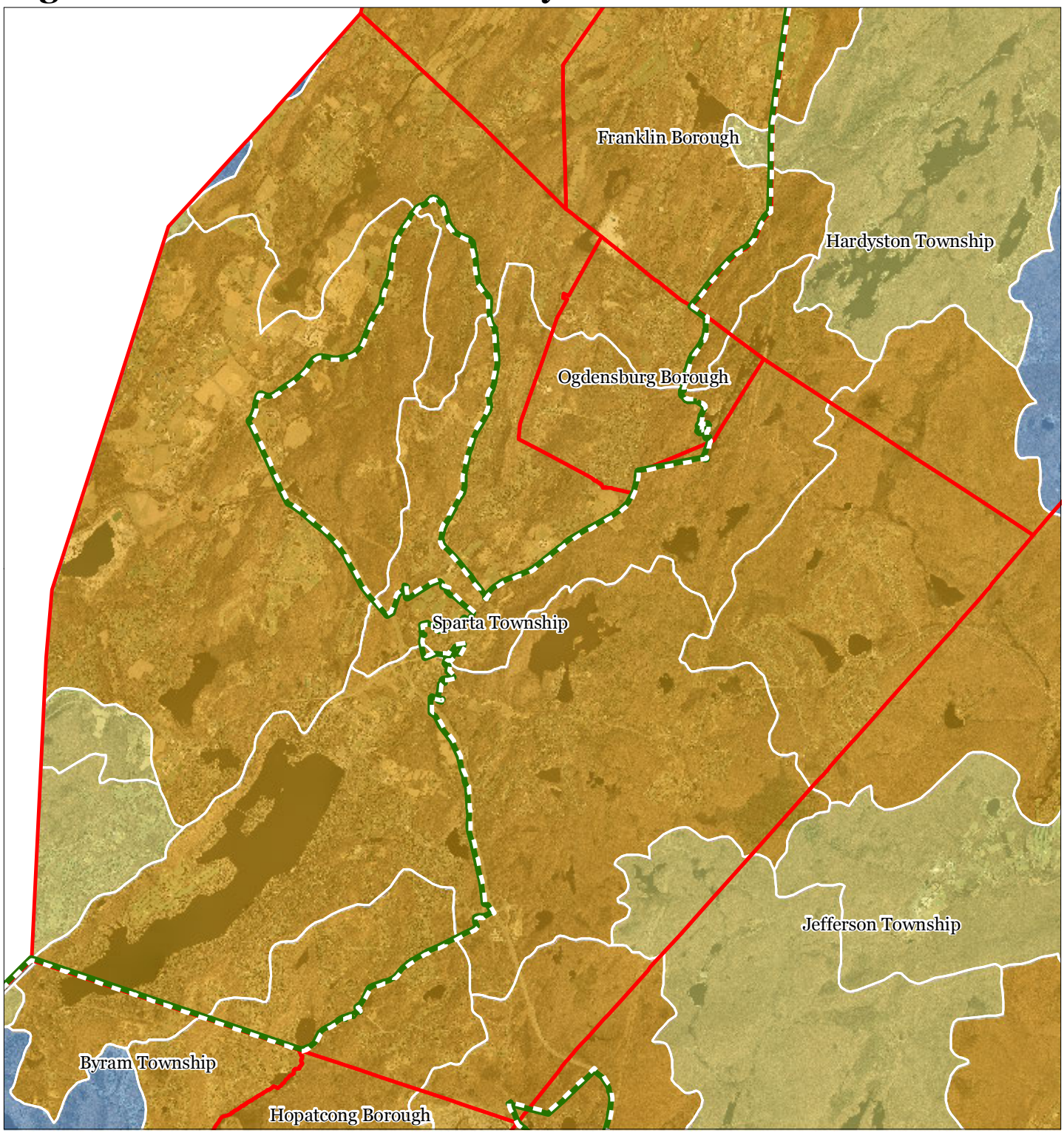
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 20: Net Water Availability



Net Water Availability By HUC14

Million Gallons Per Day (MGD)

- 0.10 - 0.39
- 0.05 - 0.09
- 0.00 - 0.04
- -0.09 - 0.00
- -0.99 - -0.10
- -7.10 - -1.00

Preservation Area

Municipal Boundaries

Sparta Township

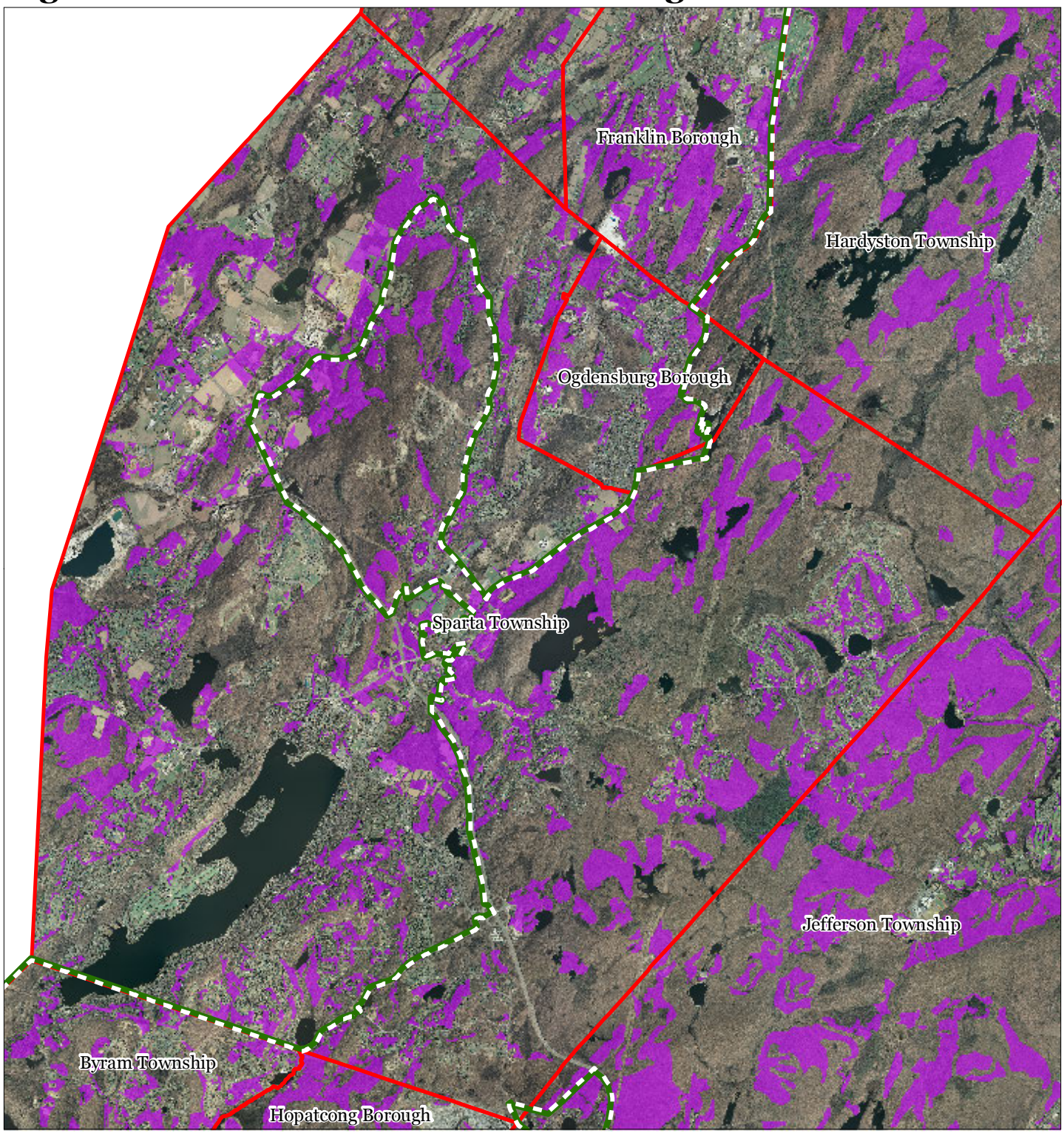
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 21: Prime Ground Water Recharge Areas



Prime Groundwater Recharge Areas
Preservation Area
Municipal Boundaries

Sparta Township

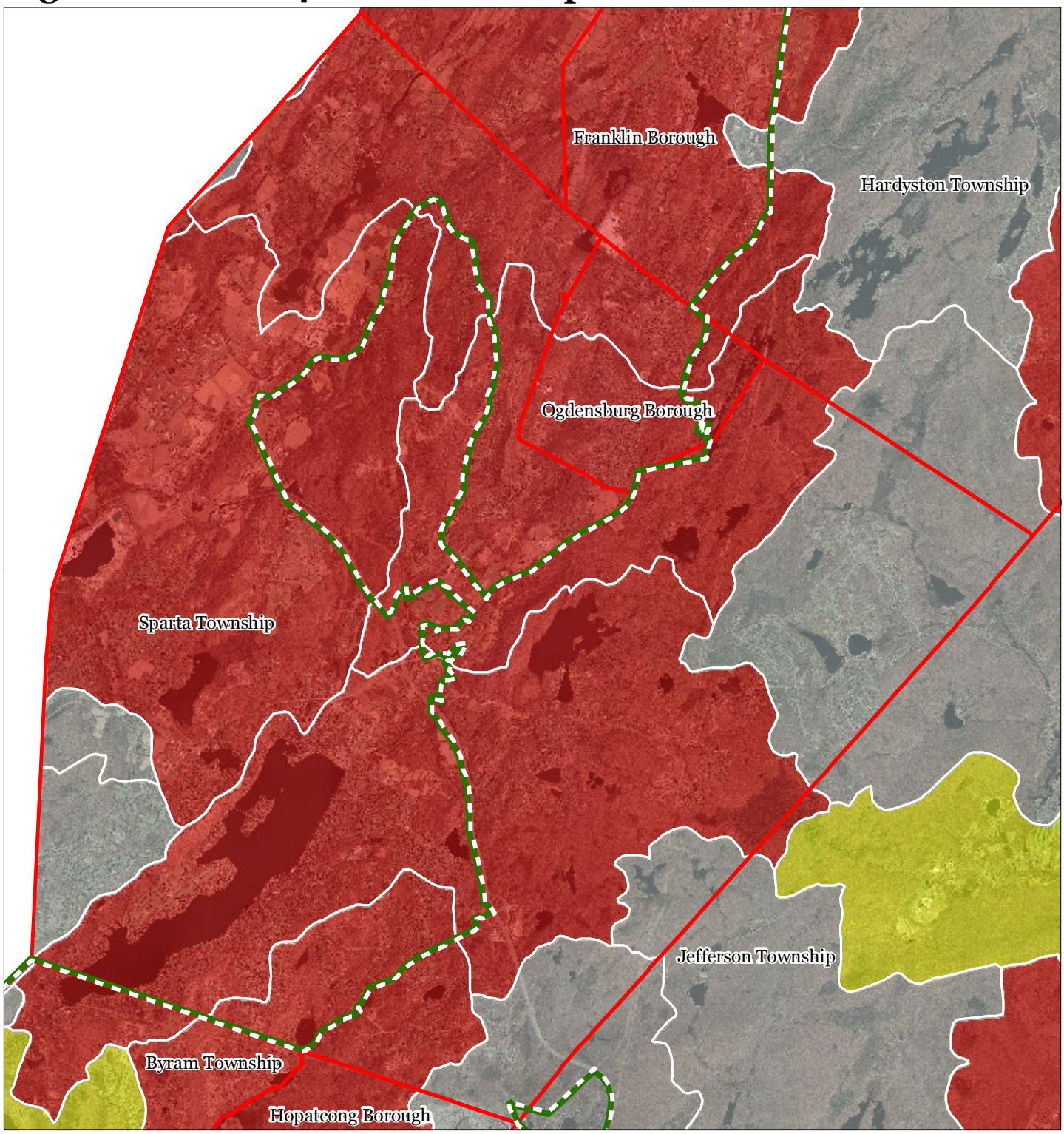
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 22: HUC 14s on NJDEP Impaired Waters List



Impaired Waters Overall Assessment by HUC14 Subwatershed

- *Non Impacted*
- *Insufficient Data Available*
- *Moderate*
- *Water Quality Impaired*
- Preservation Area
- Municipal Boundaries

Sparta Township

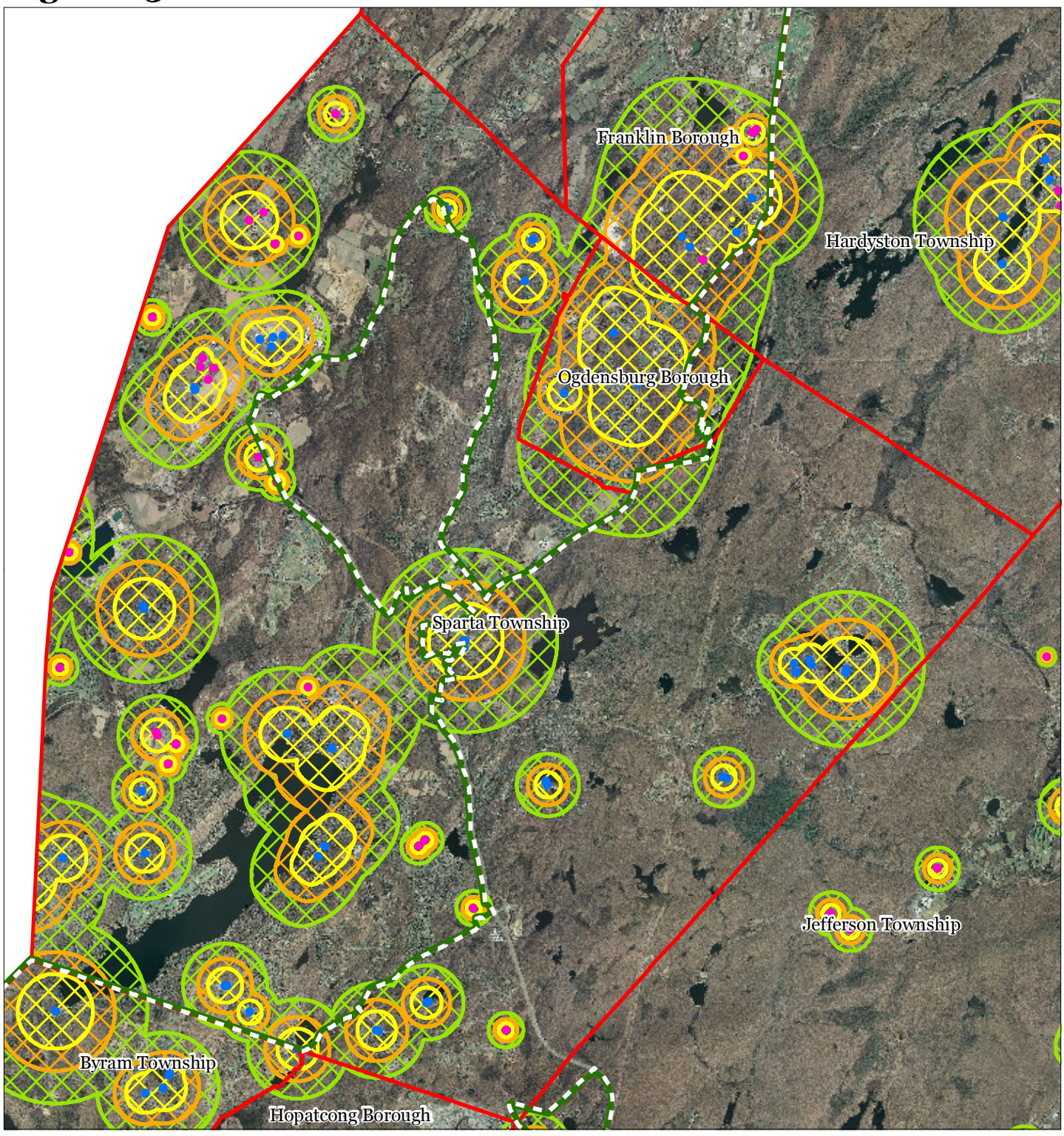
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 23: Wellhead Protection Areas



- Public Community Wells
- Public Non-Community Wells

Wellhead Protection Areas

- *2-Year Tier*
- *5-Year Tier*
- *12-Year Tier*

- Preservation Area
- Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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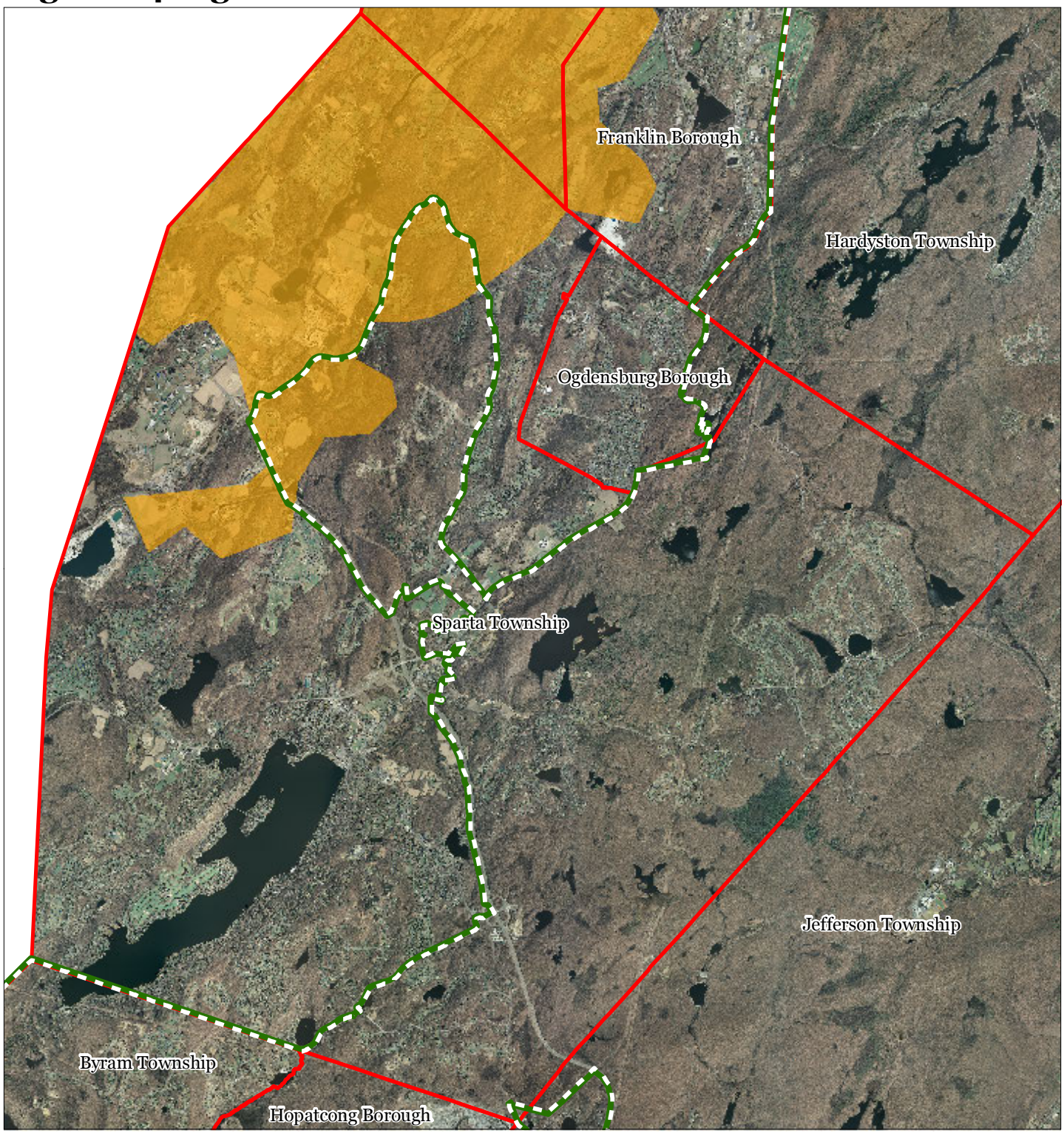
08/2011

Figure 24: Agricultural Resource Area



Agricultural Resource Area
Preservation Area
Municipal Boundaries

Sparta Township

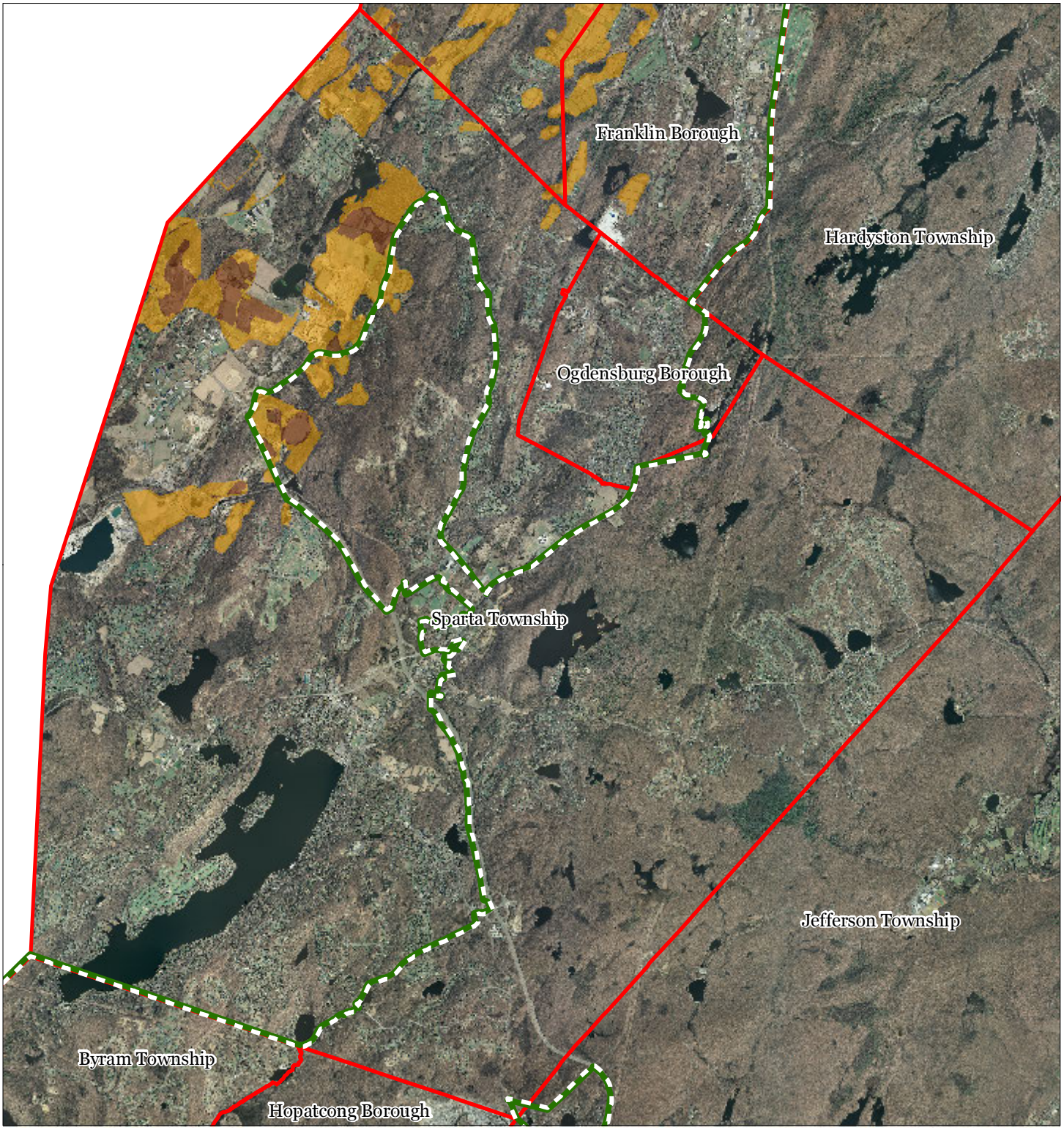
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 25: Highlands Agricultural Priority Area



Agricultural Priority Area
- *Moderate*
- *High*
- Preservation Area
- Municipal Boundaries

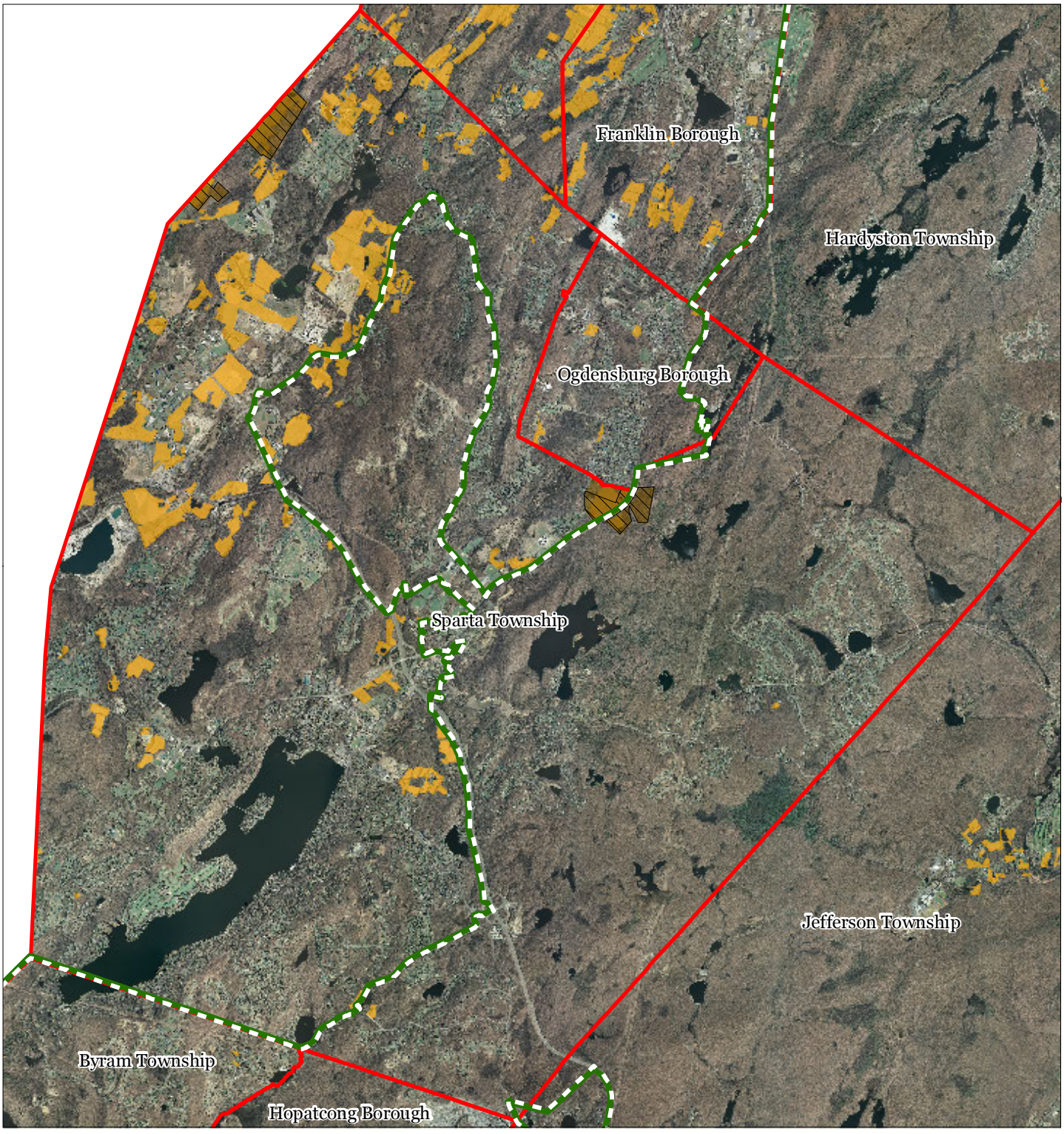
Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

N

Figure 26: Preserved Farms, SADC Easements, All Agricultural Uses



SADC Easements
- *SADC Final*
- *SADC Preserved*
- Preserved Farmland
- Agriculture Uses

- Preservation Area
- Municipal Boundaries

Sparta Township

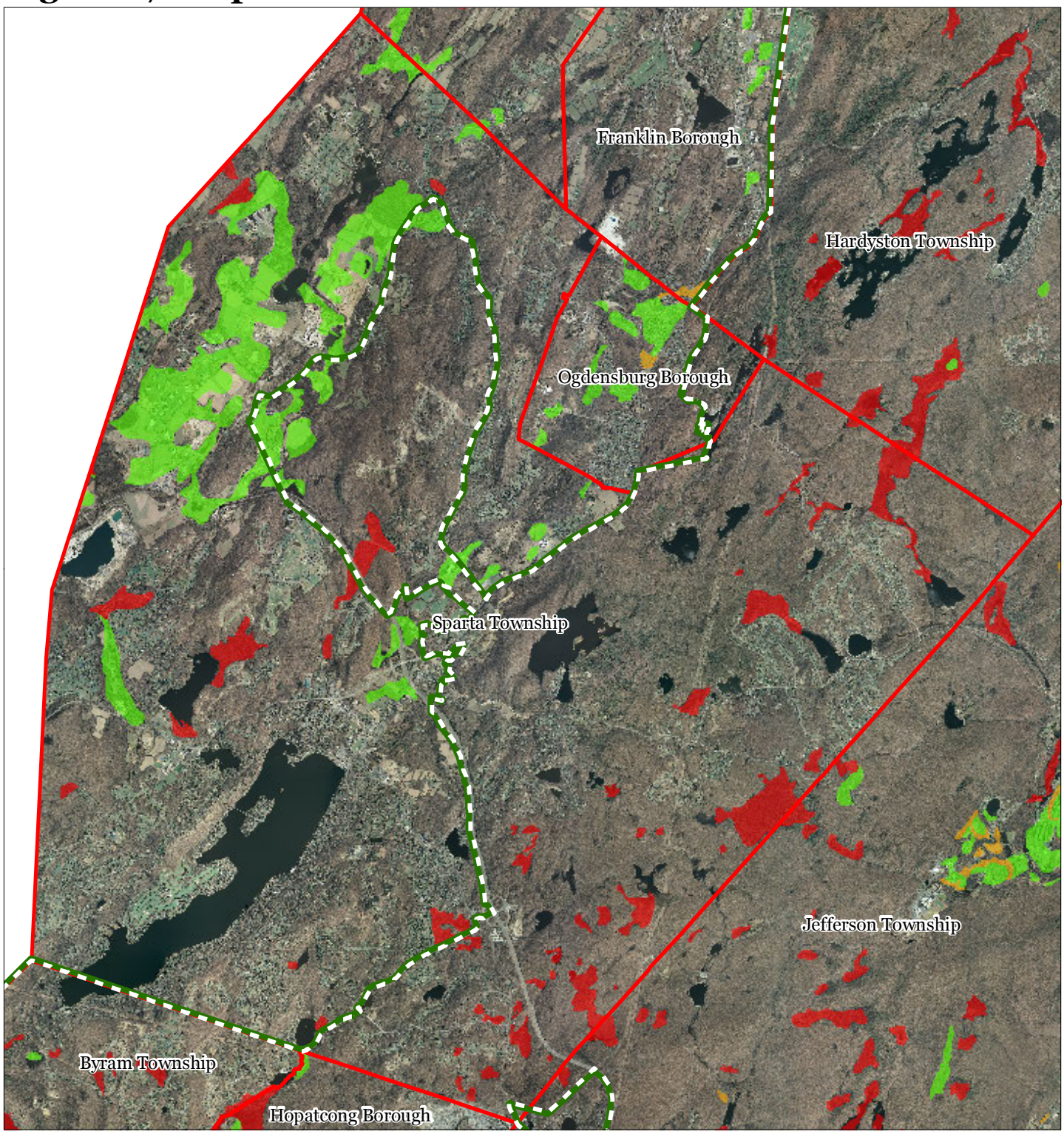
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 27: Important Farmland Soils



Important Farmland Soils

- *Prime Farmland*
- *Farmland of Local Importance*
- *Farmland of Statewide Importance*
- *Farmland of Unique Importance*
- Preservation Area
- Municipal Boundaries

Sparta Township

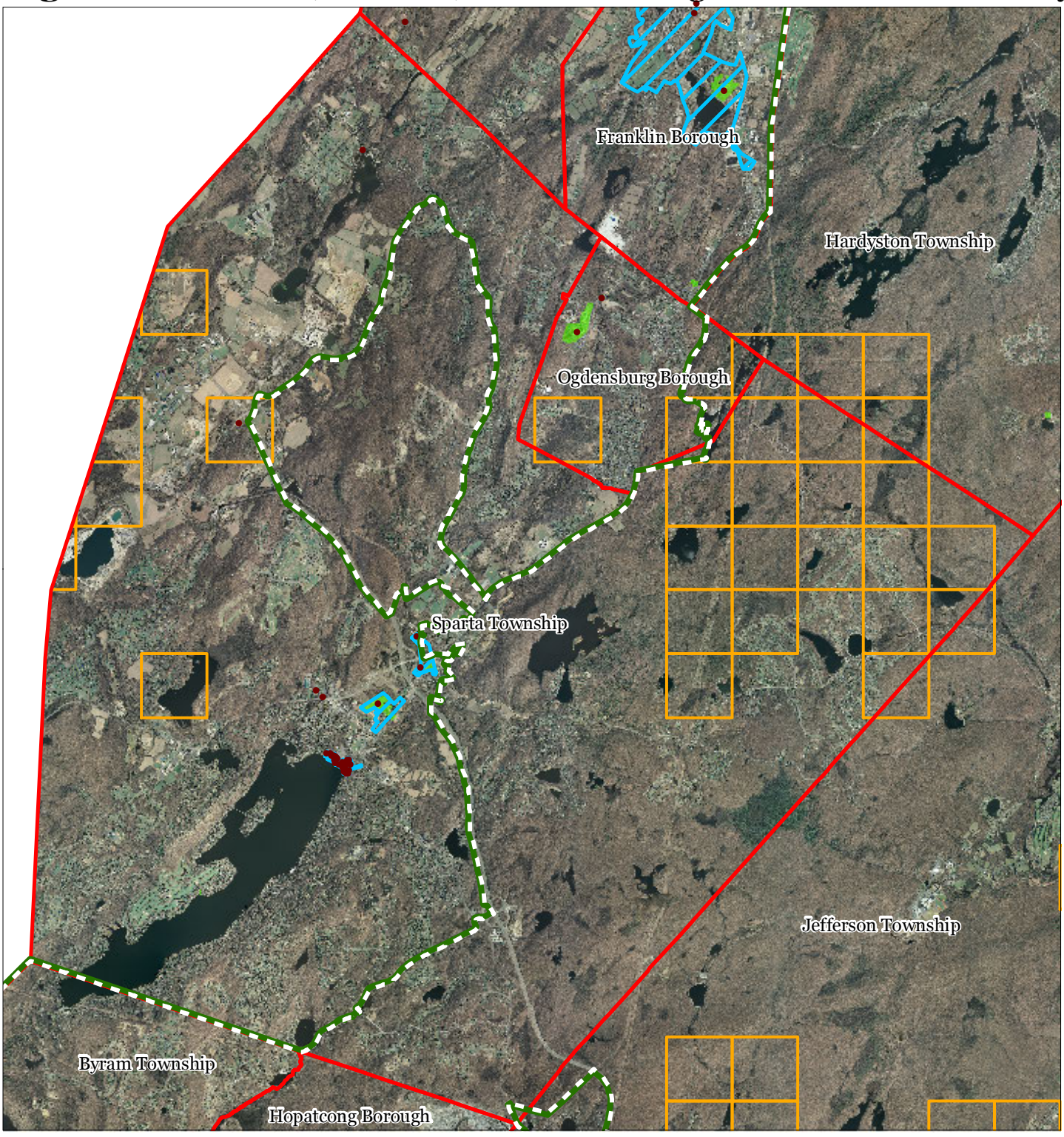
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 28: Historic, Cultural, and Archaeological Resources Inventory



Preservation Area
Municipal Boundaries
Archaeological Grids (1 sqmi)
NJ Historic Districts
Historic Property Points
Historic Property Polygons

Sparta Township

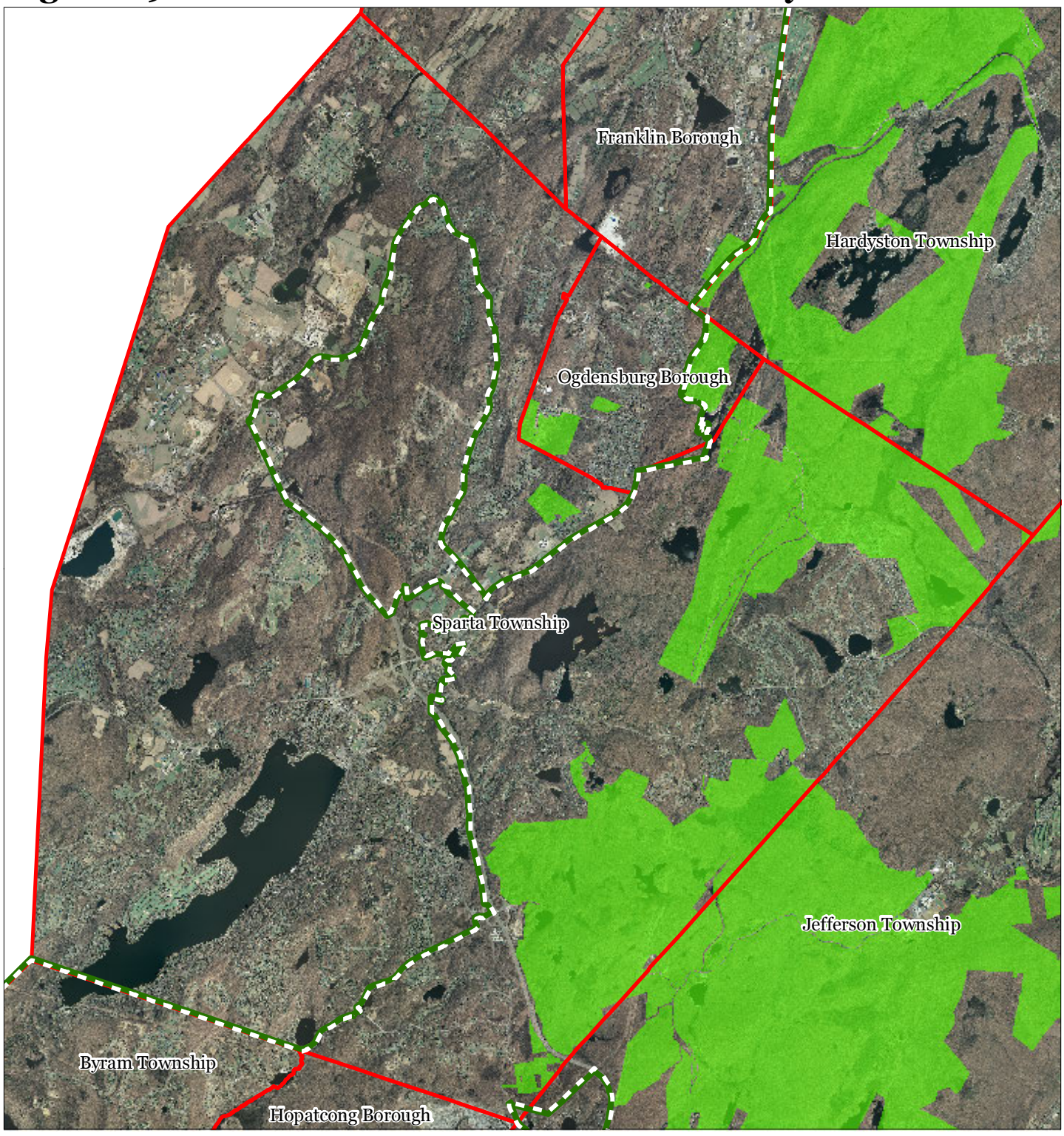
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 29: Baseline Scenic Resources Inventory



Scenic Resources
Municipal Boundaries
Preservation Area

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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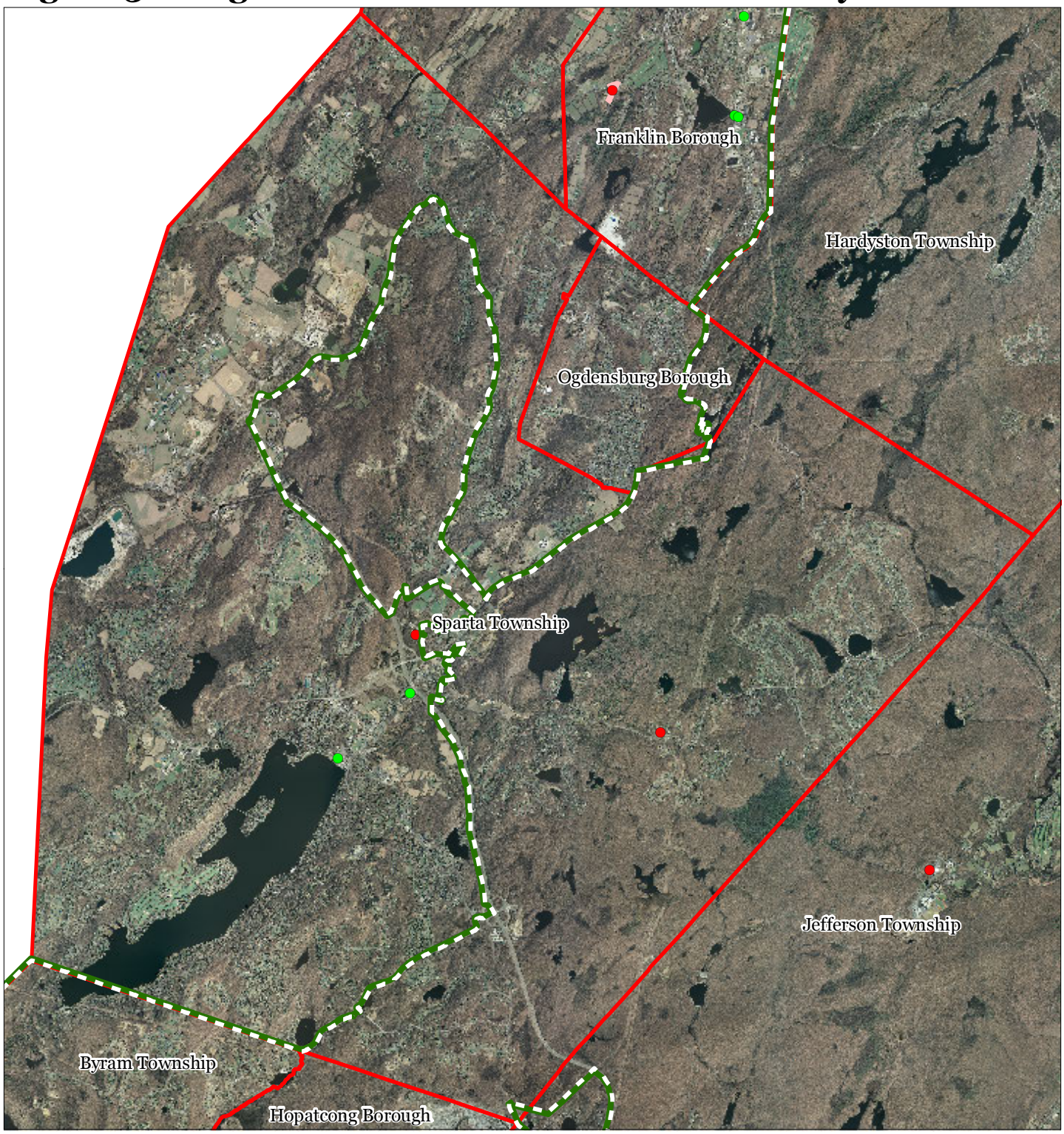
08/2011

Figure 30: Highlands Contaminated Site Inventory



Highlands Contaminated Site Inventory

- *Tier 1 Sites*
- *Tier 1 Sites (Polygons)*
- *Tier 2 Sites*
- Preservation Area
- Municipal Boundaries

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

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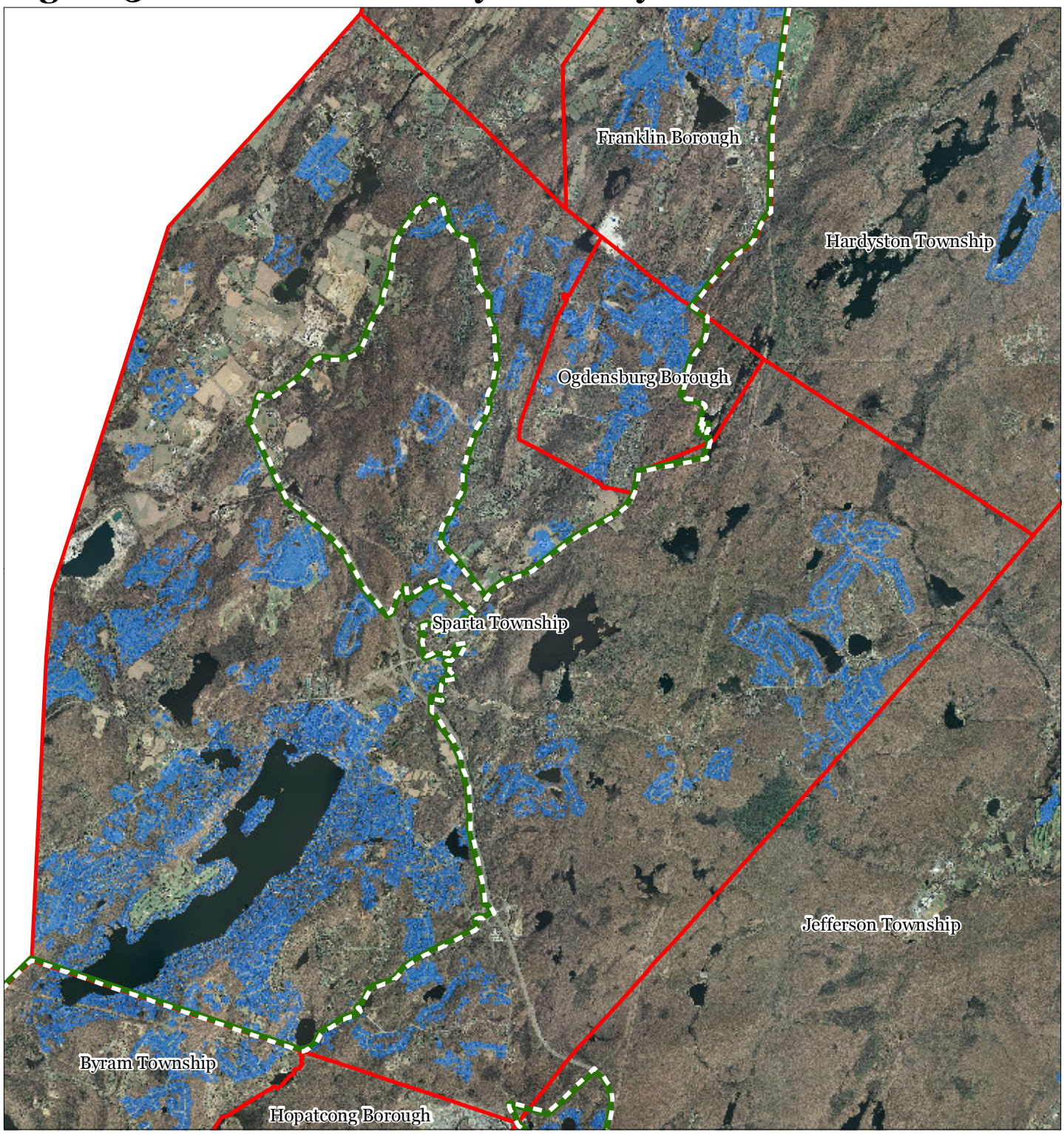
08/2011

Figure 31: Public Community Water Systems



Public Community Water Systems
Preservation Area
Municipal Boundaries

Sparta Township

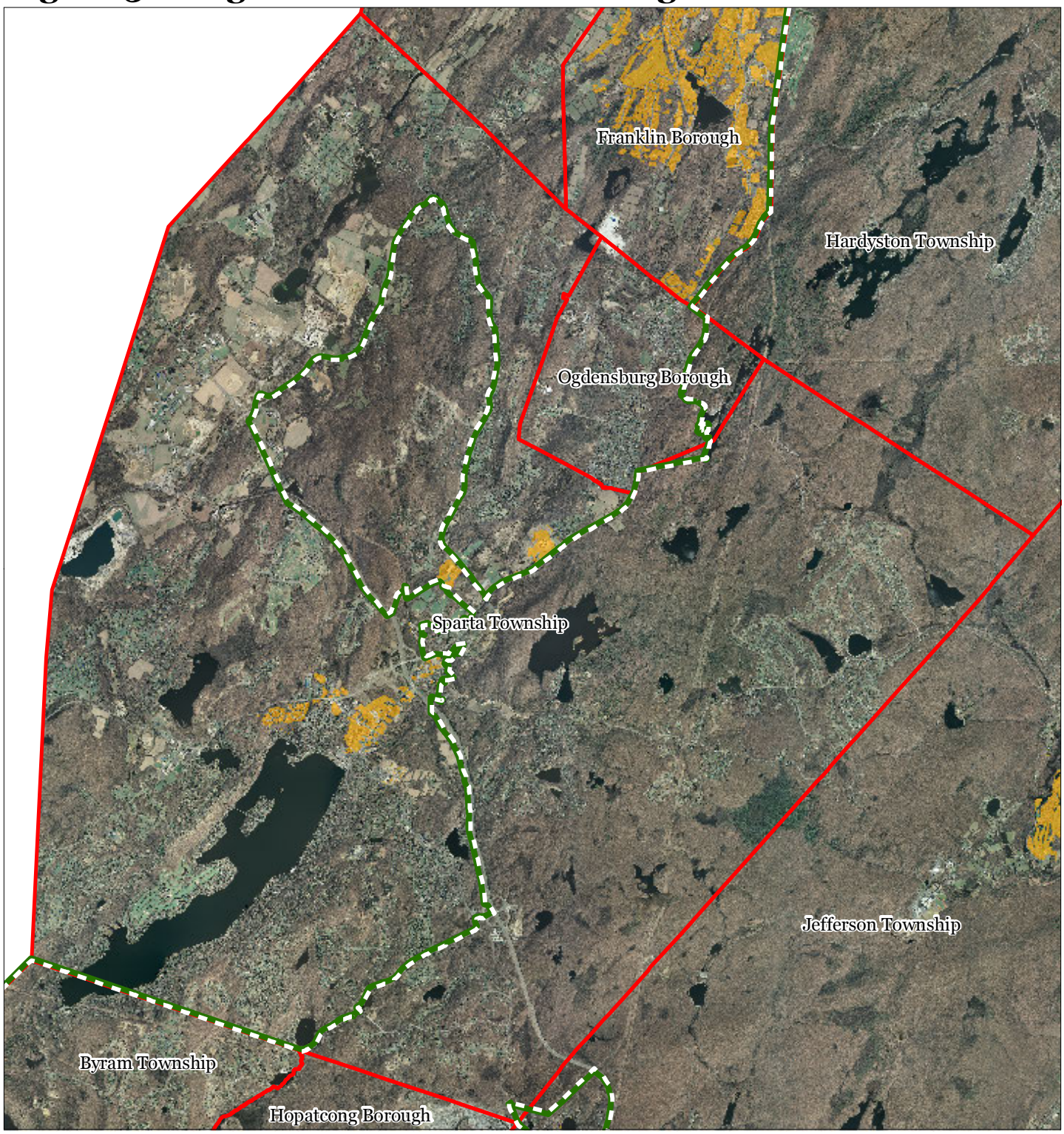
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 32: Highlands Domestic Sewerage Facilities



Highlands Domestic Sewerage Facilities

Existing Area Served

Preservation Area

Municipal Boundaries

Sparta Township

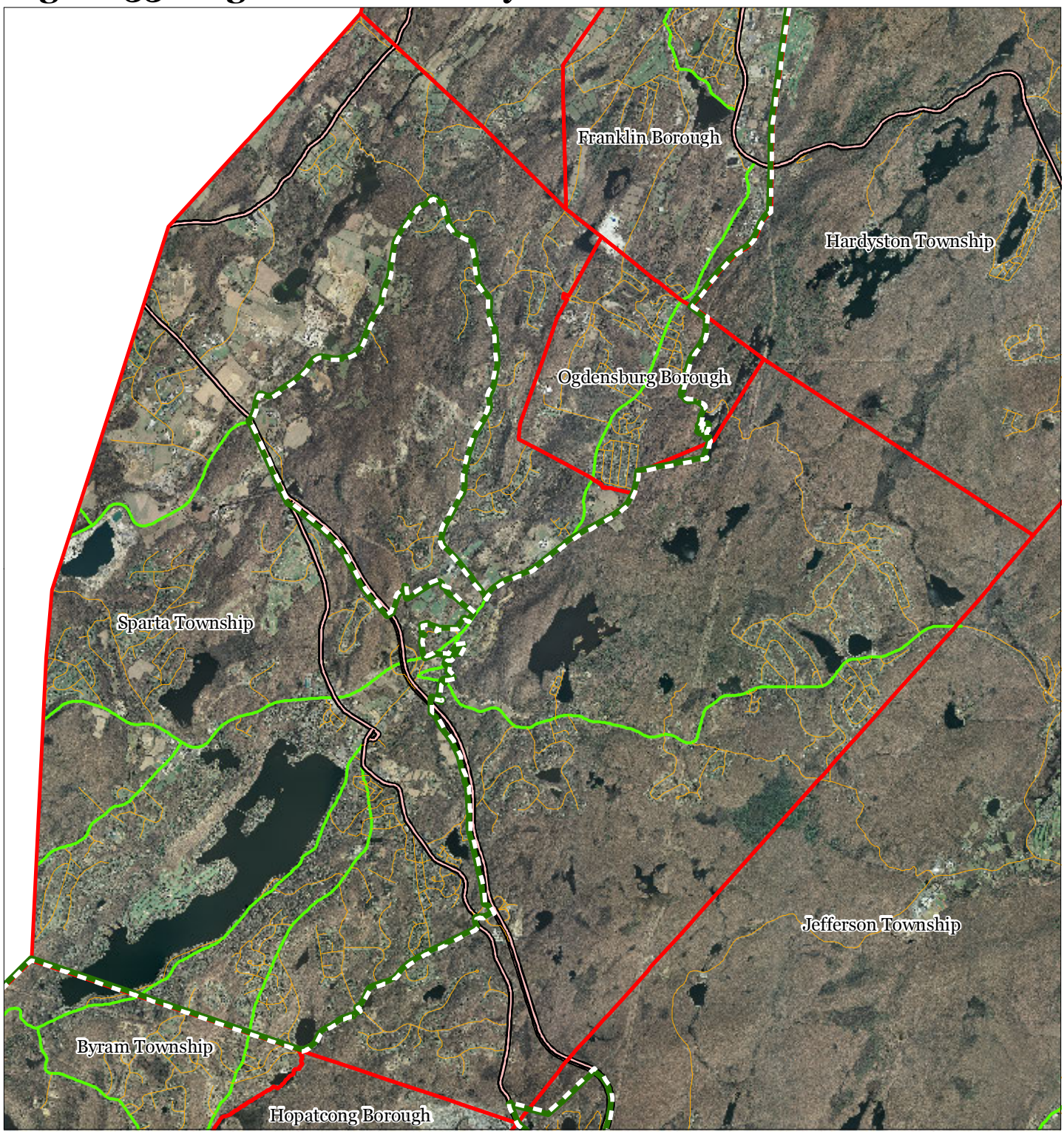
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 33: Highlands Roadway Network



Roadway Network

- *Interstate Highways*
- *U.S. Routes*
- *State Routes*
- *County Routes*
- *Local Routes*

Preservation Area

Municipal Boundaries

Sparta Township

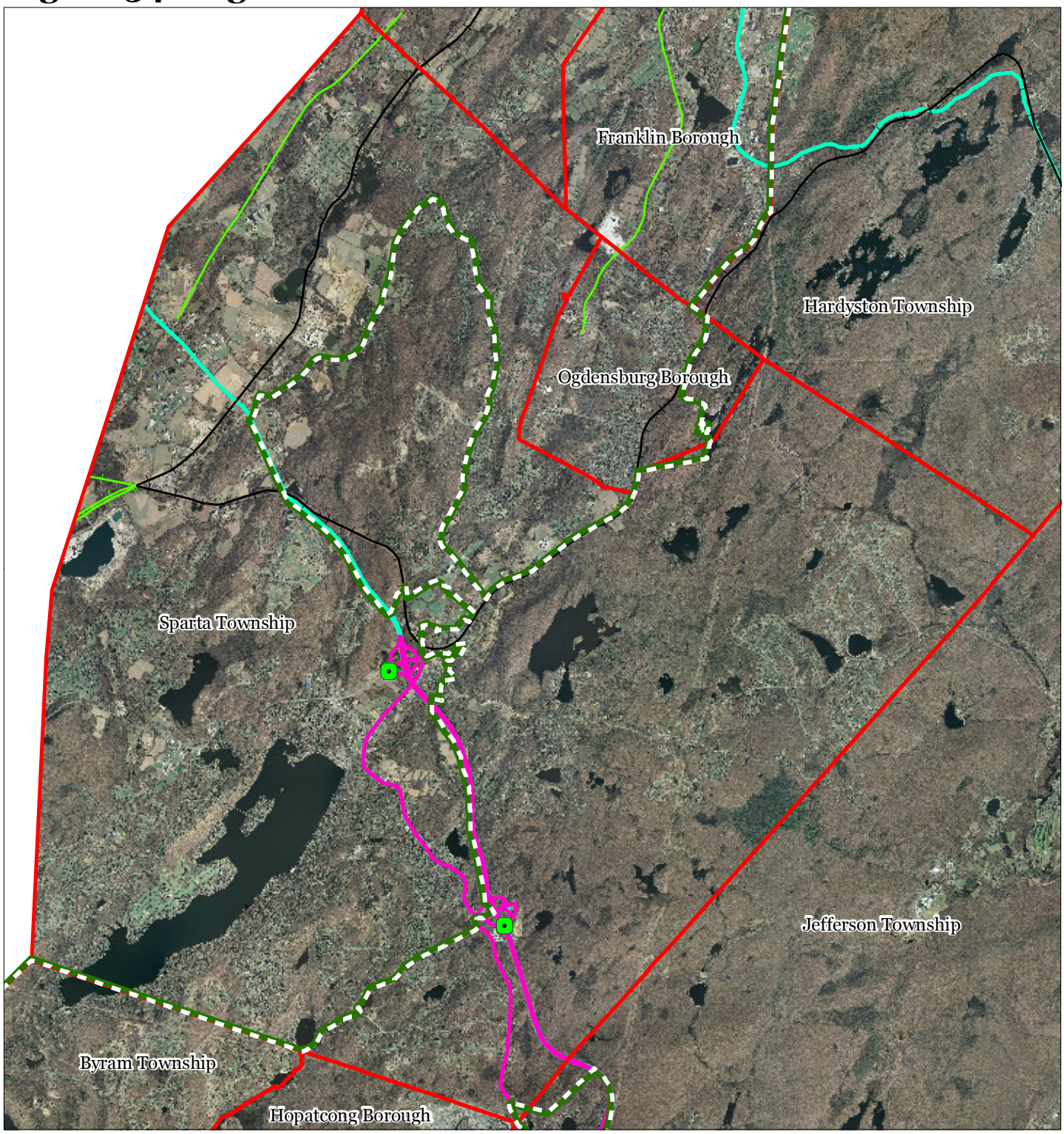
1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011

Figure 34: 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*

- Rail Stations
- Park and Ride Sites
- Private Bus Lines
- NJ Transit Bus Lines
- Airports

Sparta Township

1 inch = 1.043 miles

Highlands Council
New Jersey

N

08/2011