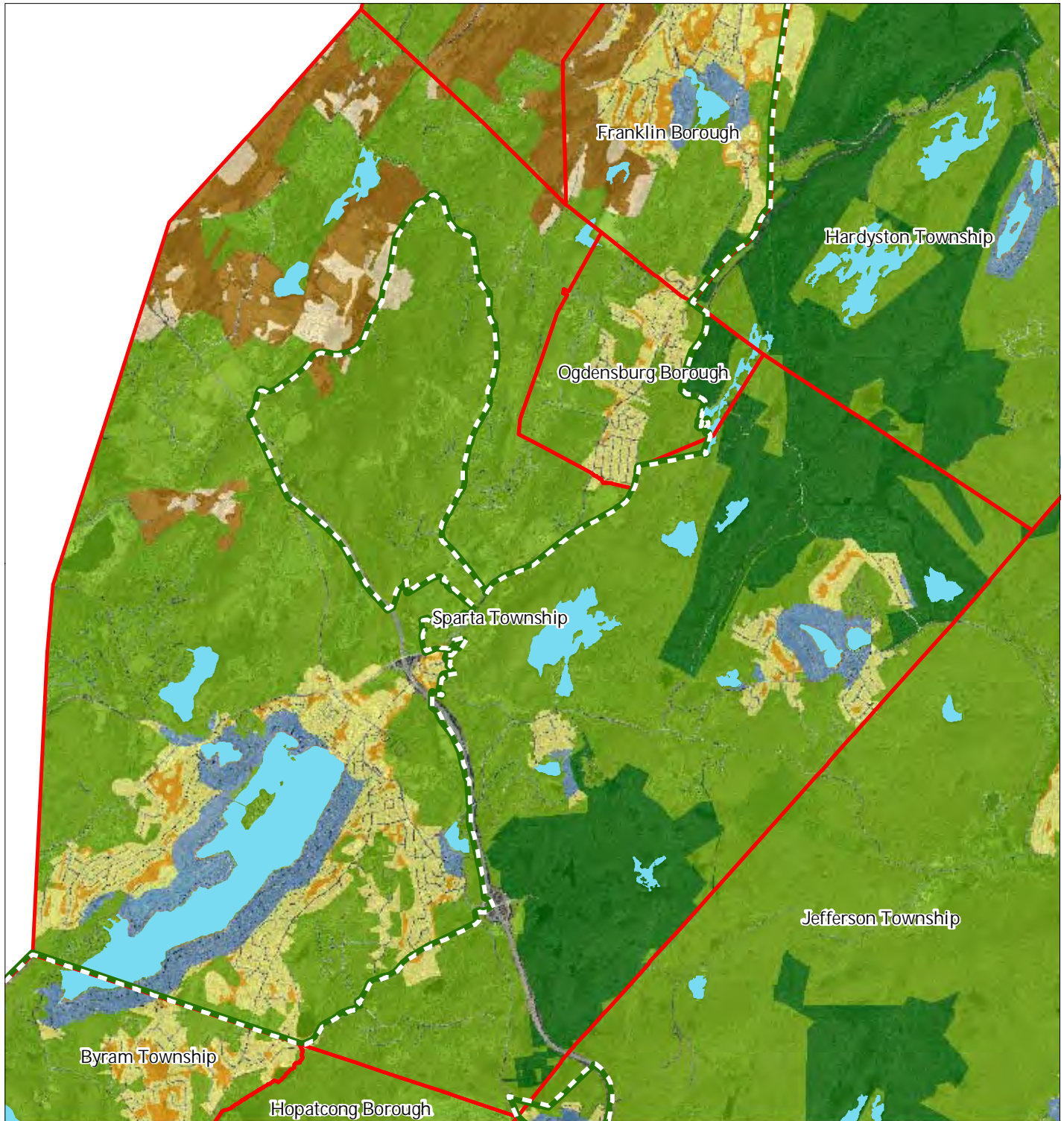


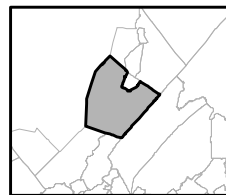
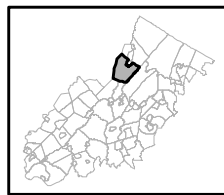
Exhibit A: Township Highlands Preservation Area



Regional Master Plan Overlay Zone Designation

- | | |
|--|-----------------------------|
| Zone | Lakes Greater Than 10 acres |
| Protection | Preservation Area |
| Conservation | Municipal Boundaries |
| Existing Community | |
| Sub-Zone | |
| Existing Community Environmentally Constrained | |
| Conservation Environmentally Constrained | |
| Lake Community | |
| Wildlife Management | |

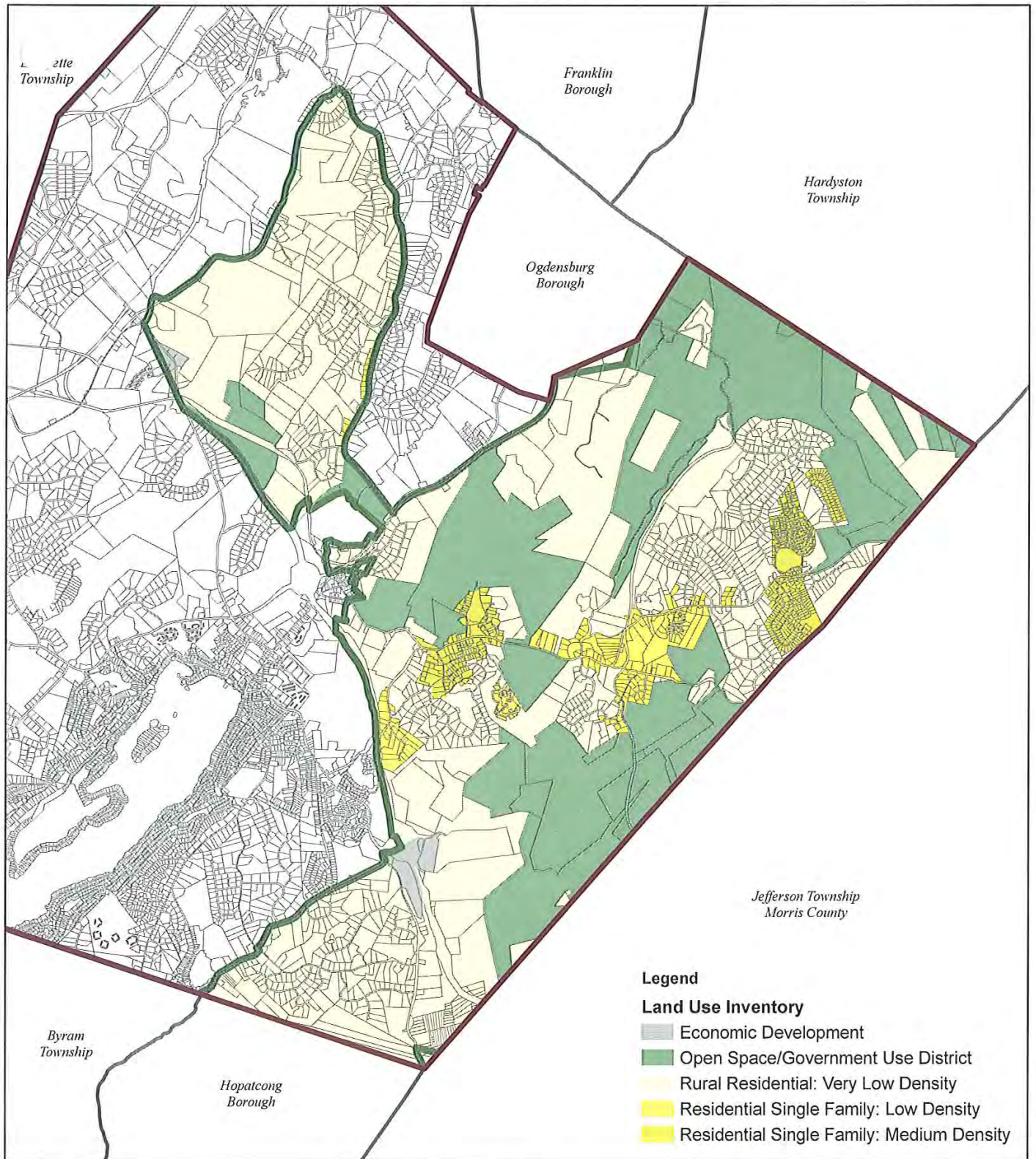
Sparta Township



1 inch = 1.043 miles



Exhibit B. Preservation Area Land Use Inventory



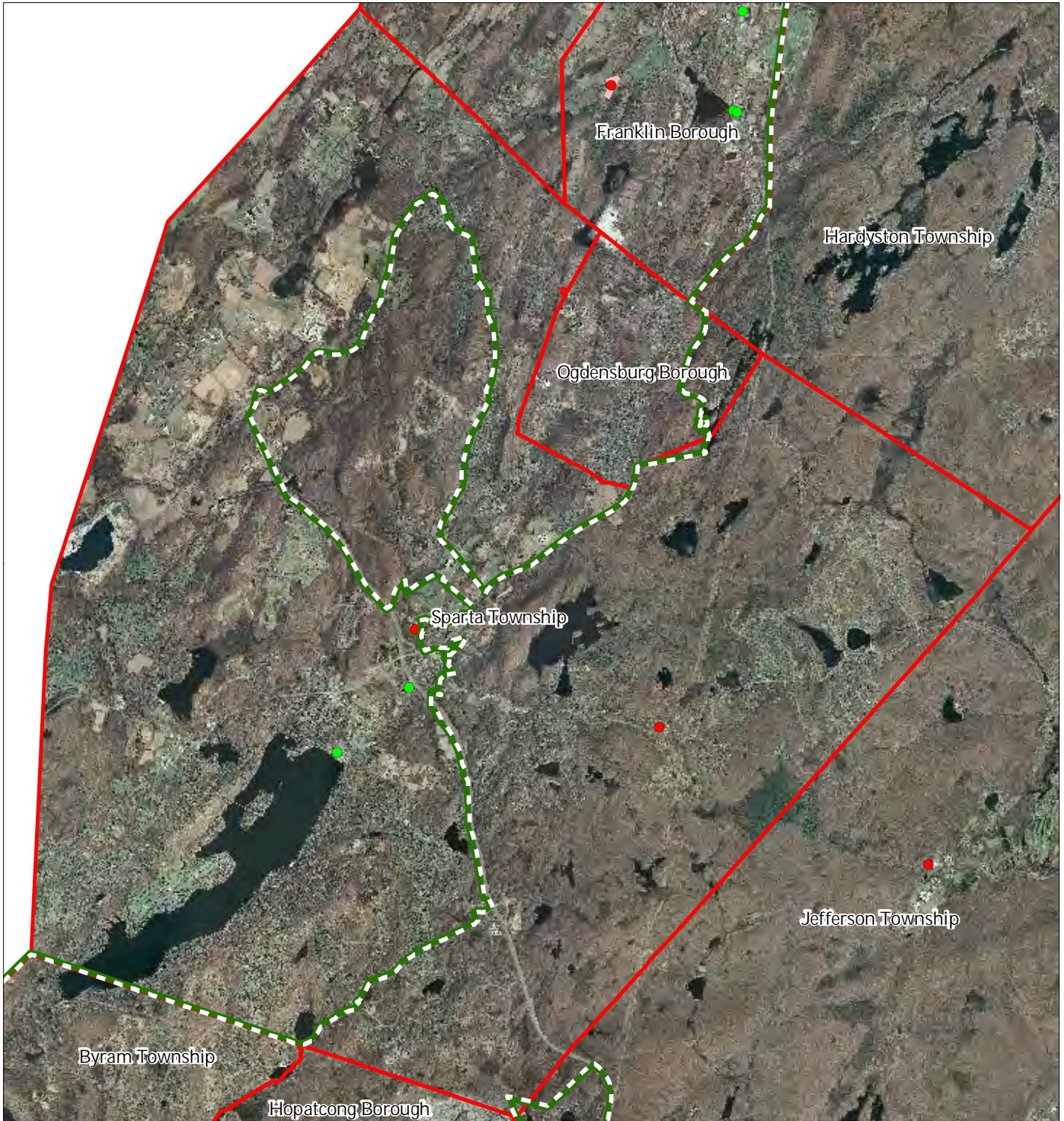
1 inch = 5,000 feet

Sparta Township
Highlands Preservation Area
Master Plan Element



Prepared By:
Township of Sparta
November 2009

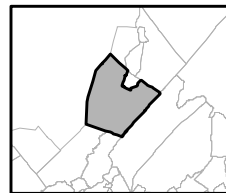
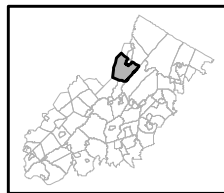
Exhibit C: Highlands Contaminated Sites Inventory



Highlands Contaminated Site Inventory

Sparta Township

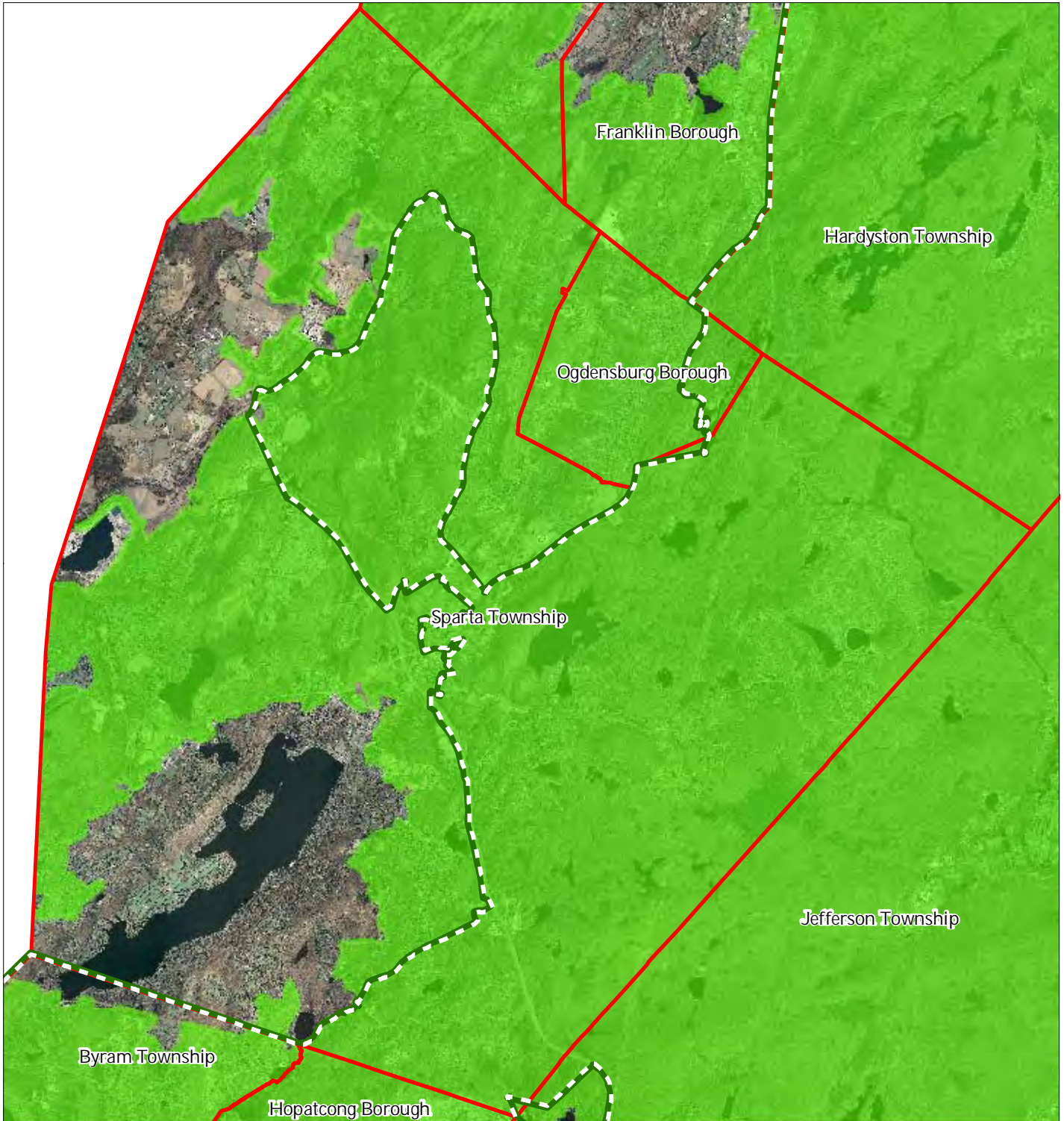
- Tier 1 Sites
- Tier 1 Sites (Polygons)
- Tier 2 Sites
- ▬ Preservation Area
- ▬ Municipal Boundaries






1 inch = 1.043 miles

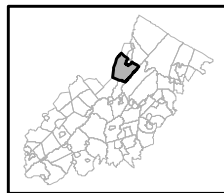


Exhibit E: Forest Resource Area



-  Forest Resource Area
-  Preservation Area
-  Municipal Boundaries

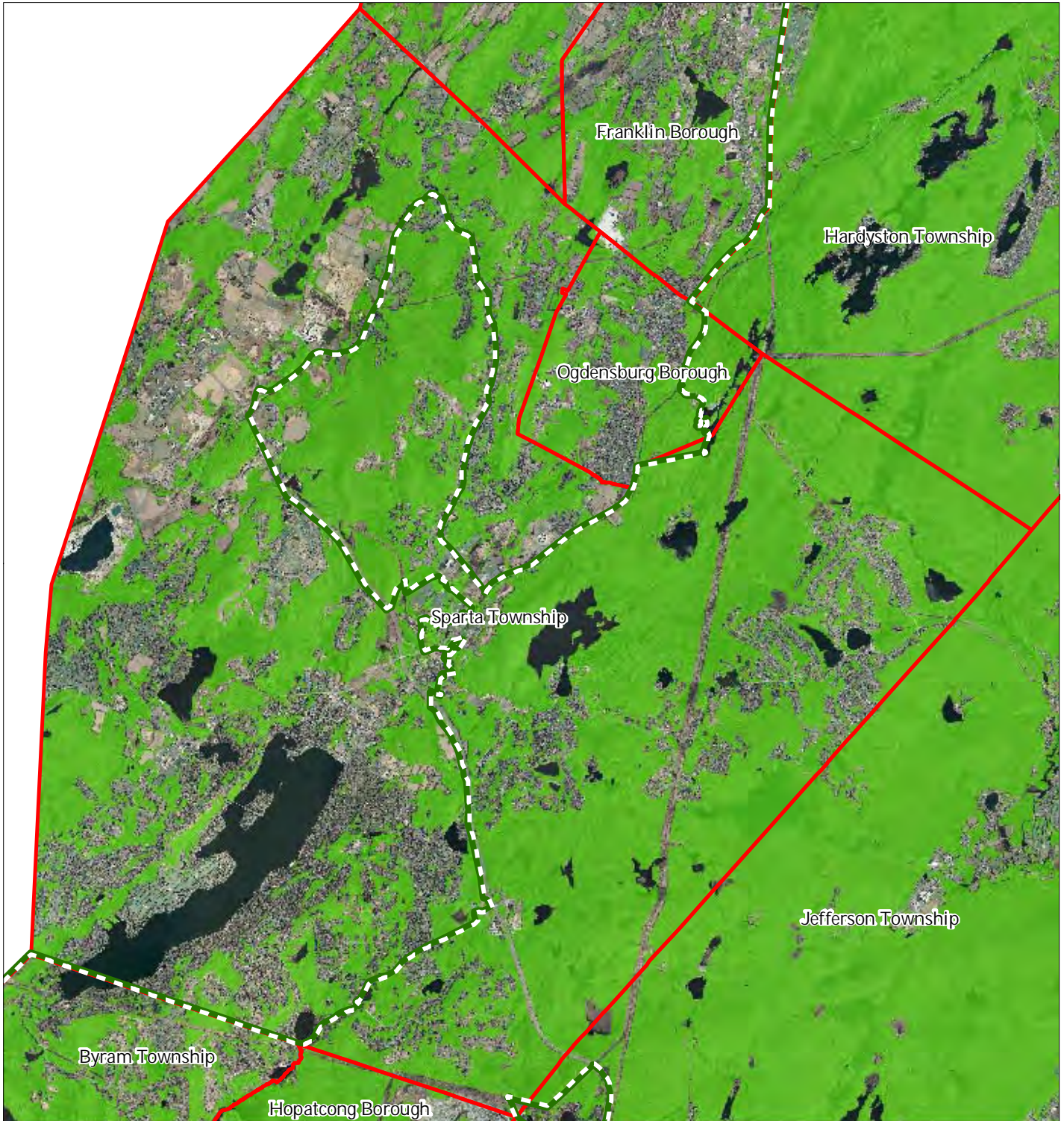
Sparta Township






1 inch = 1.043 miles

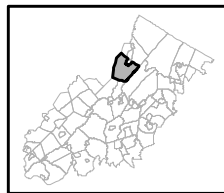


Exhibit F: Total Forest Area



-  Forested Areas
-  Preservation Area
-  Municipal Boundaries

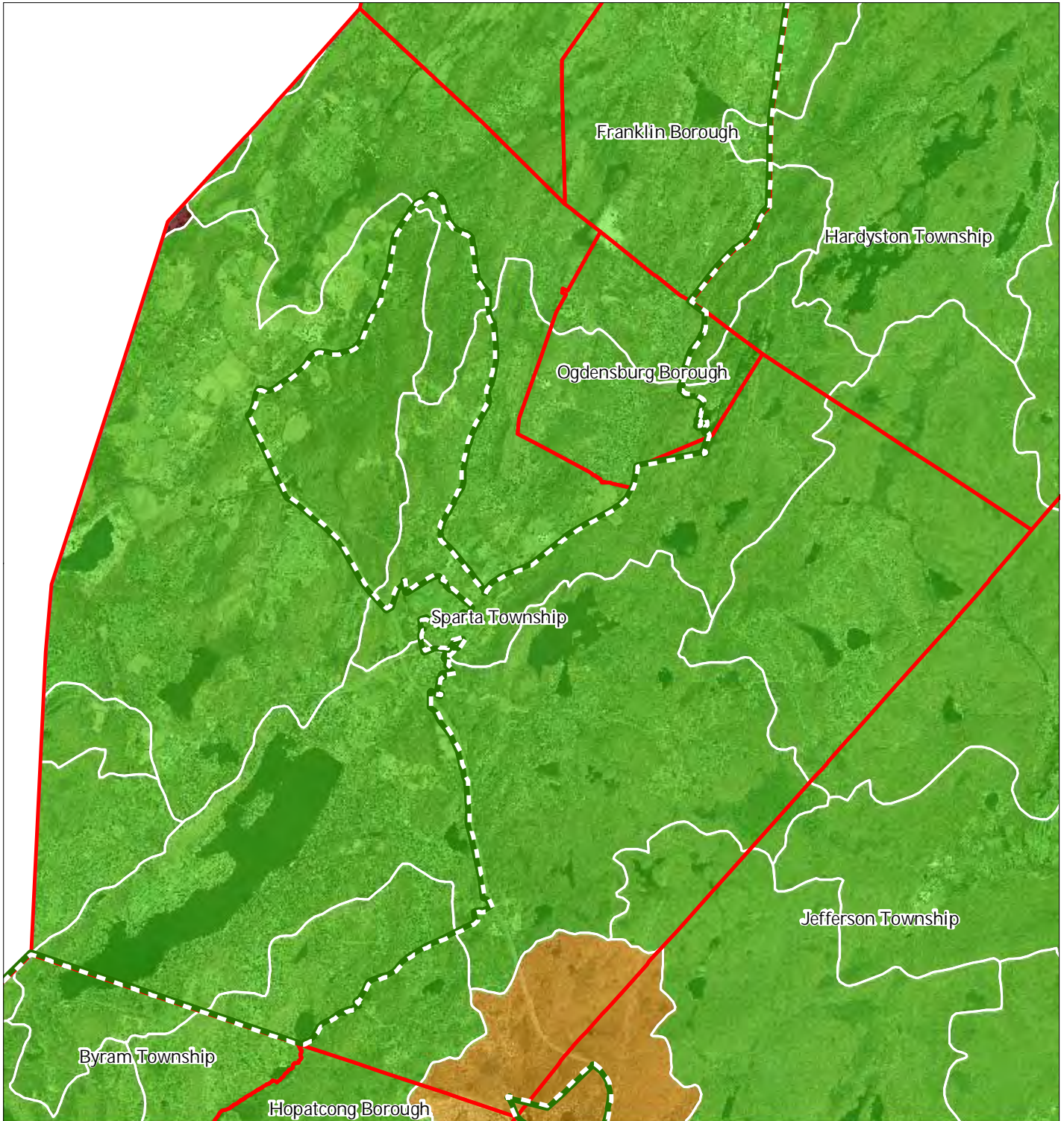
Sparta Township



1 inch = 1.043 miles



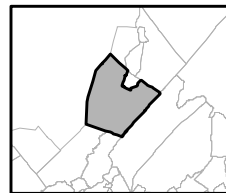
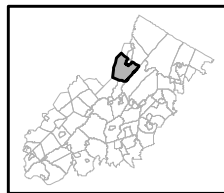
Exhibit G: Forest Subwatersheds



Forest Integrity by HUC14 Subwatershed

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

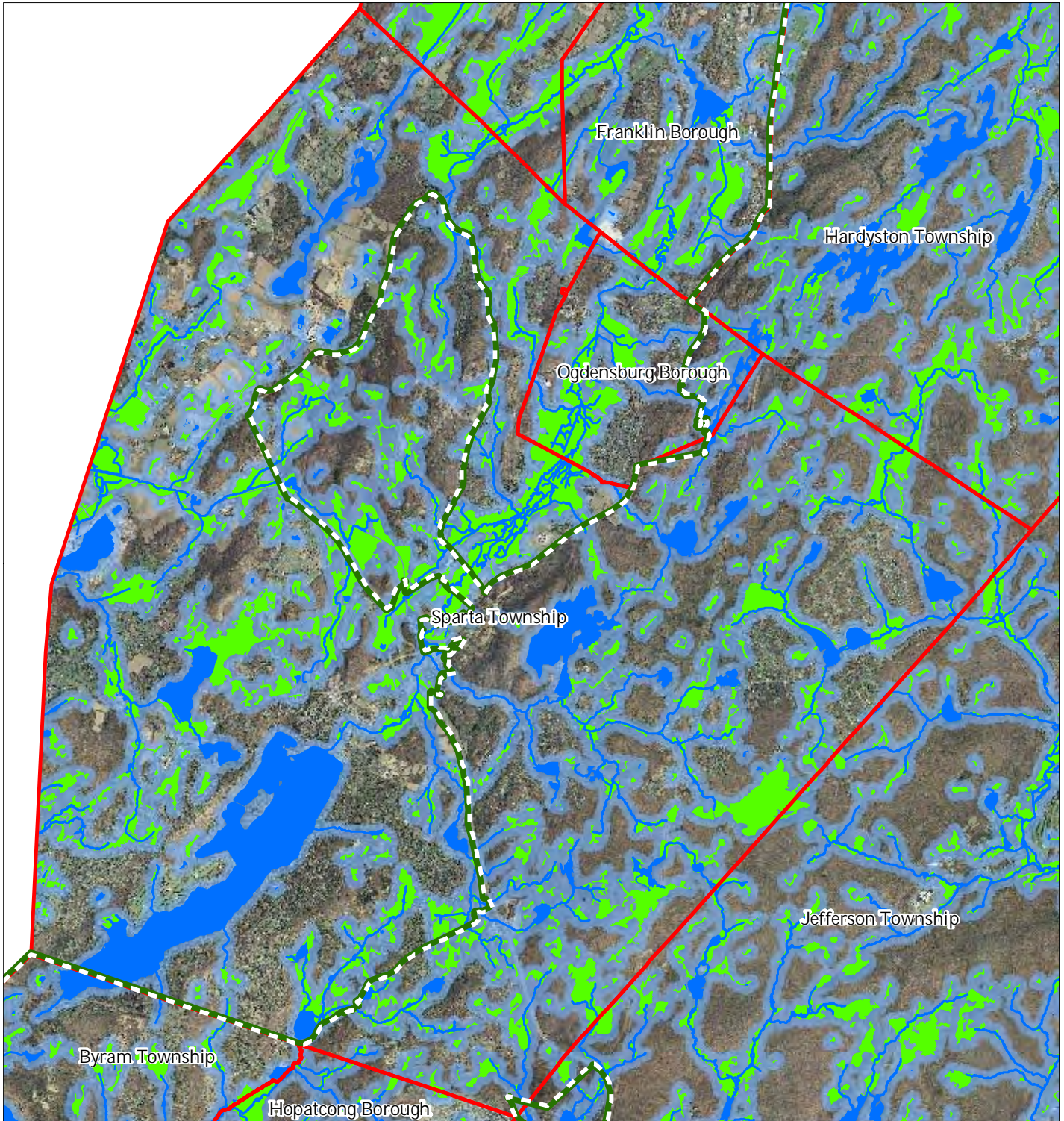
Sparta Township



1 inch = 1.043 miles

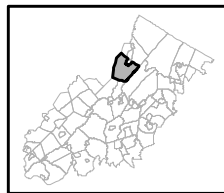


Exhibit H: Highlands Open Waters



Sparta Township

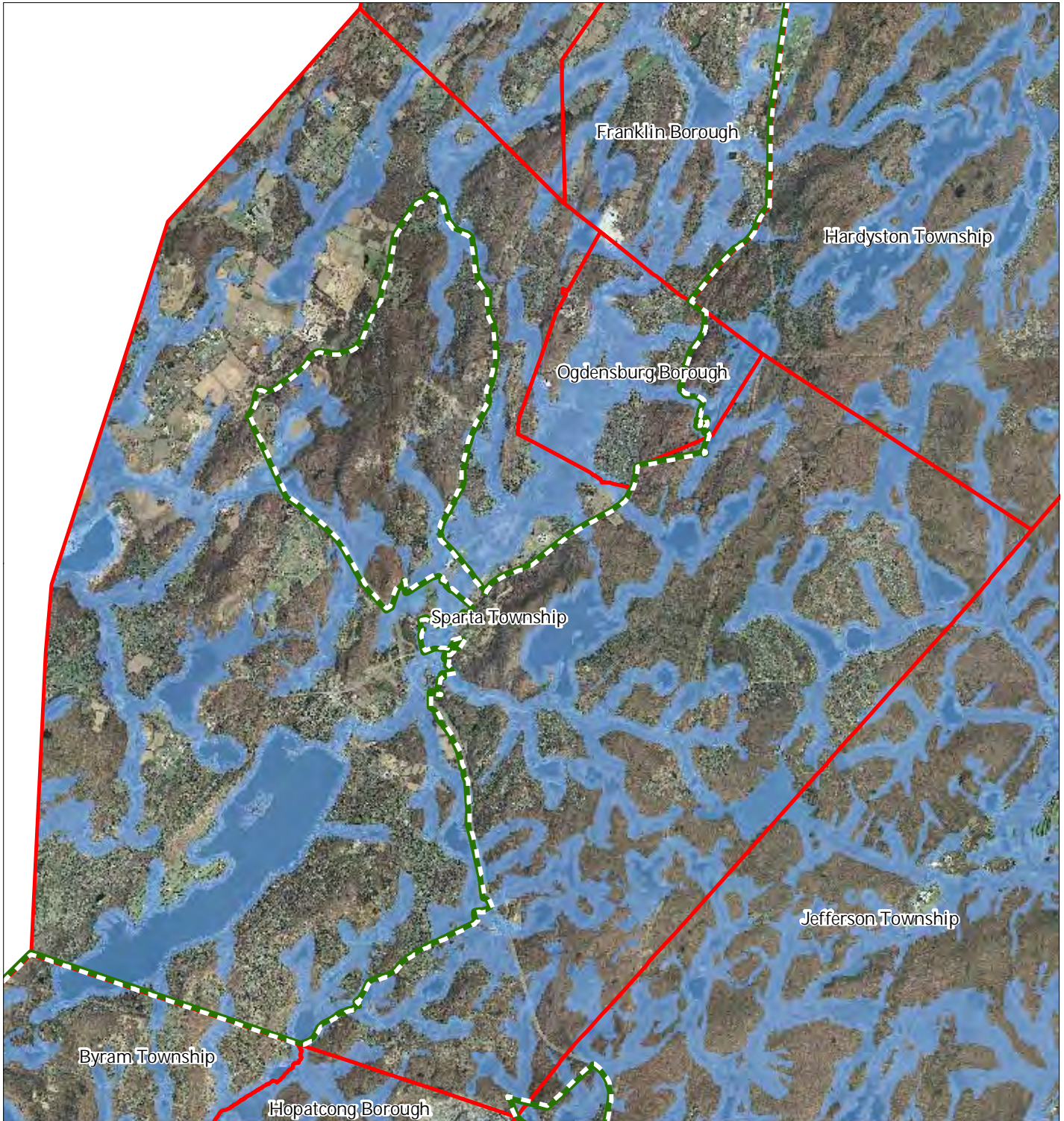
- Highlands Open Water Buffers (300ft)
- Streams
- Wetlands
- Lakes & Ponds
- Preservation Area
- Municipal Boundaries






1 inch = 1.043 miles

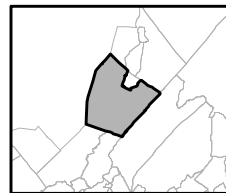
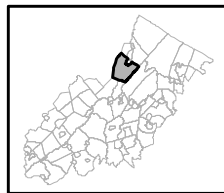


Exhibit I: Highlands Riparian Areas



-  Riparian Area
-  Preservation Area
-  Municipal Boundaries

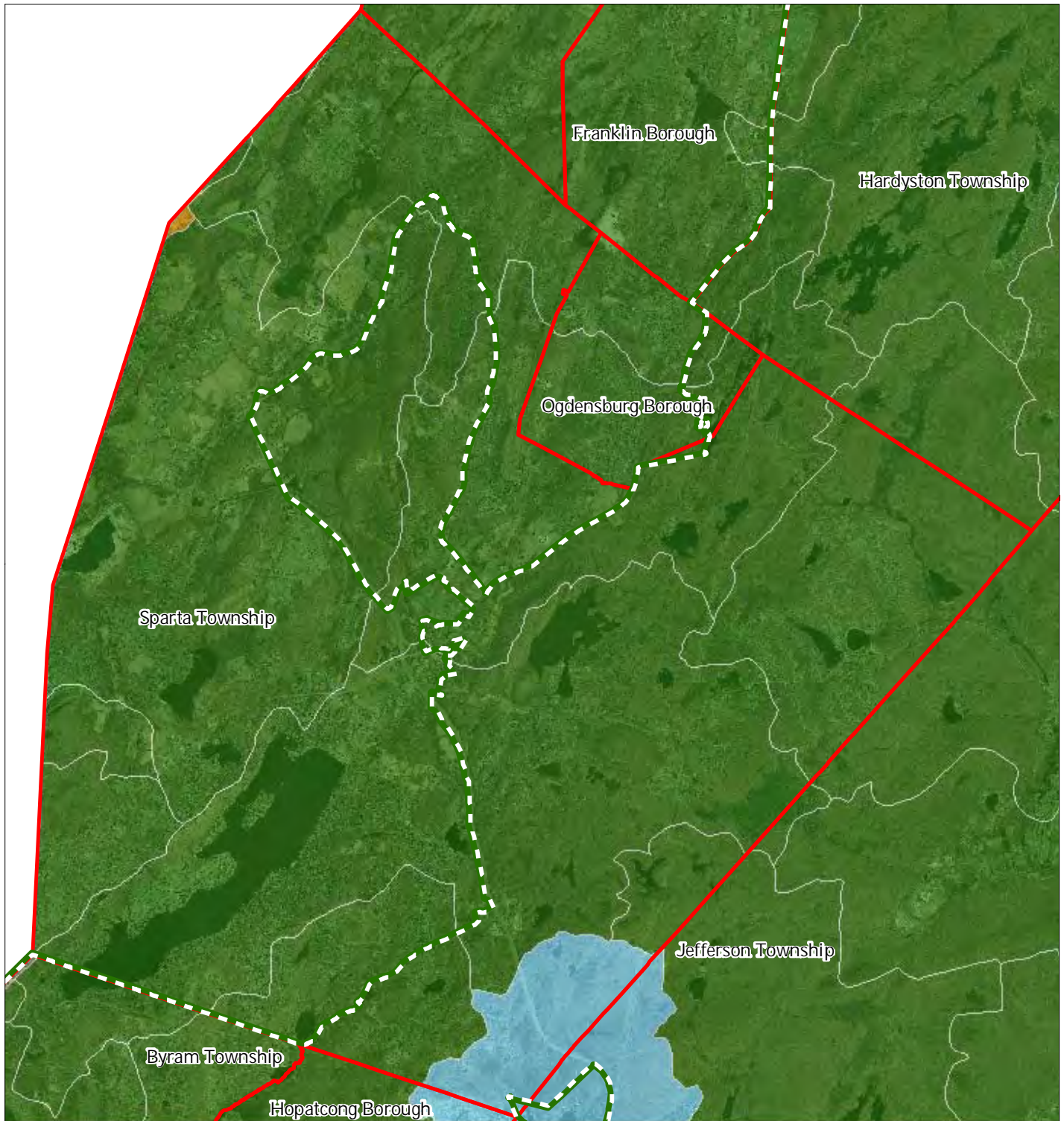
Sparta Township



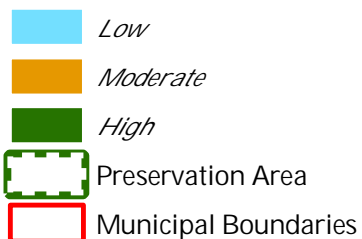
1 inch = 1.043 miles



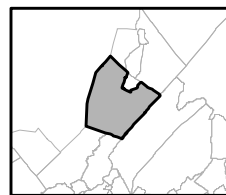
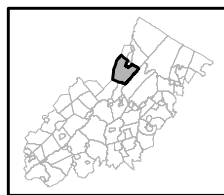
Exhibit J: Watershed Values



Watershed Values by HUC14 Subwatershed



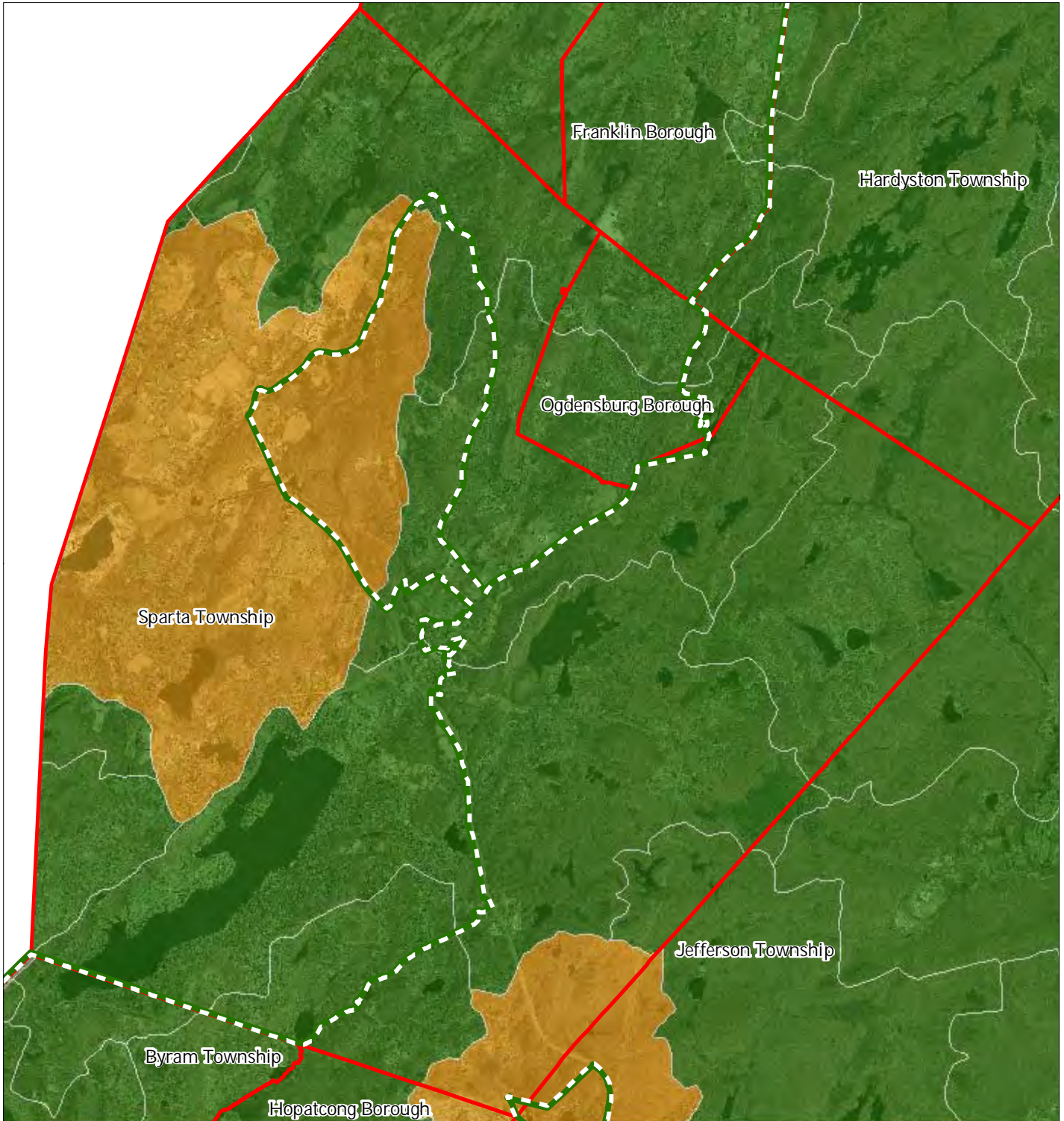
Sparta Township



1 inch = 1.043 miles



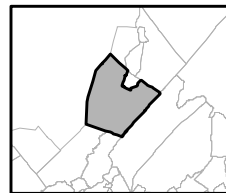
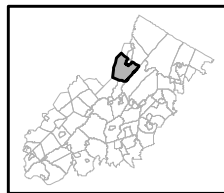
Exhibit K: Riparian Integrity



Riparian Integrity by HUC14 Subwatershed

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

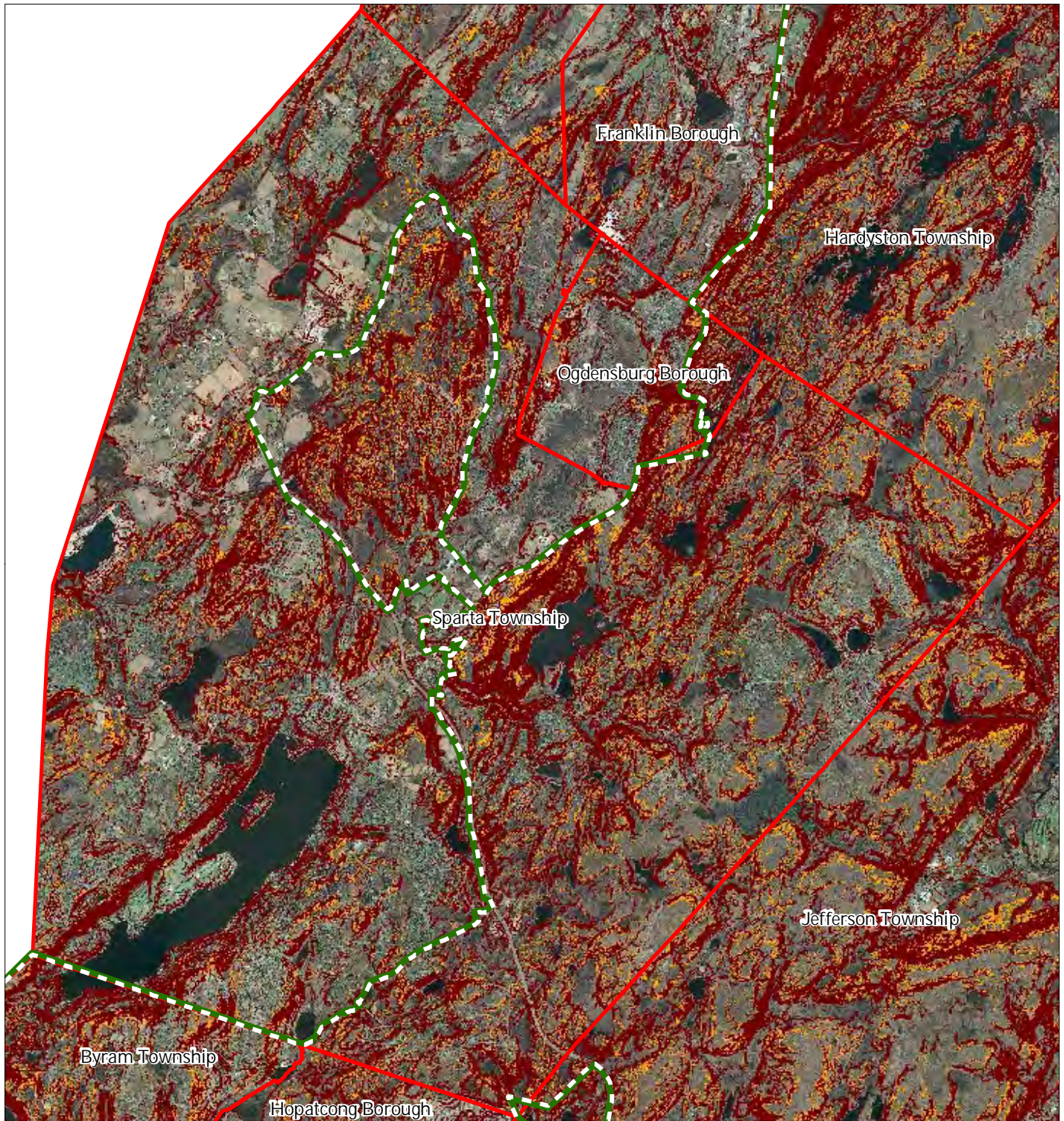
Sparta Township



1 inch = 1.043 miles



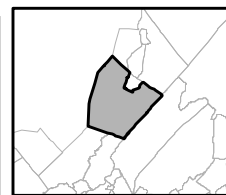
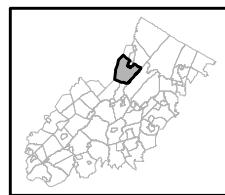
Exhibit L: Steep Slope Protection Areas



Steep Slopes

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

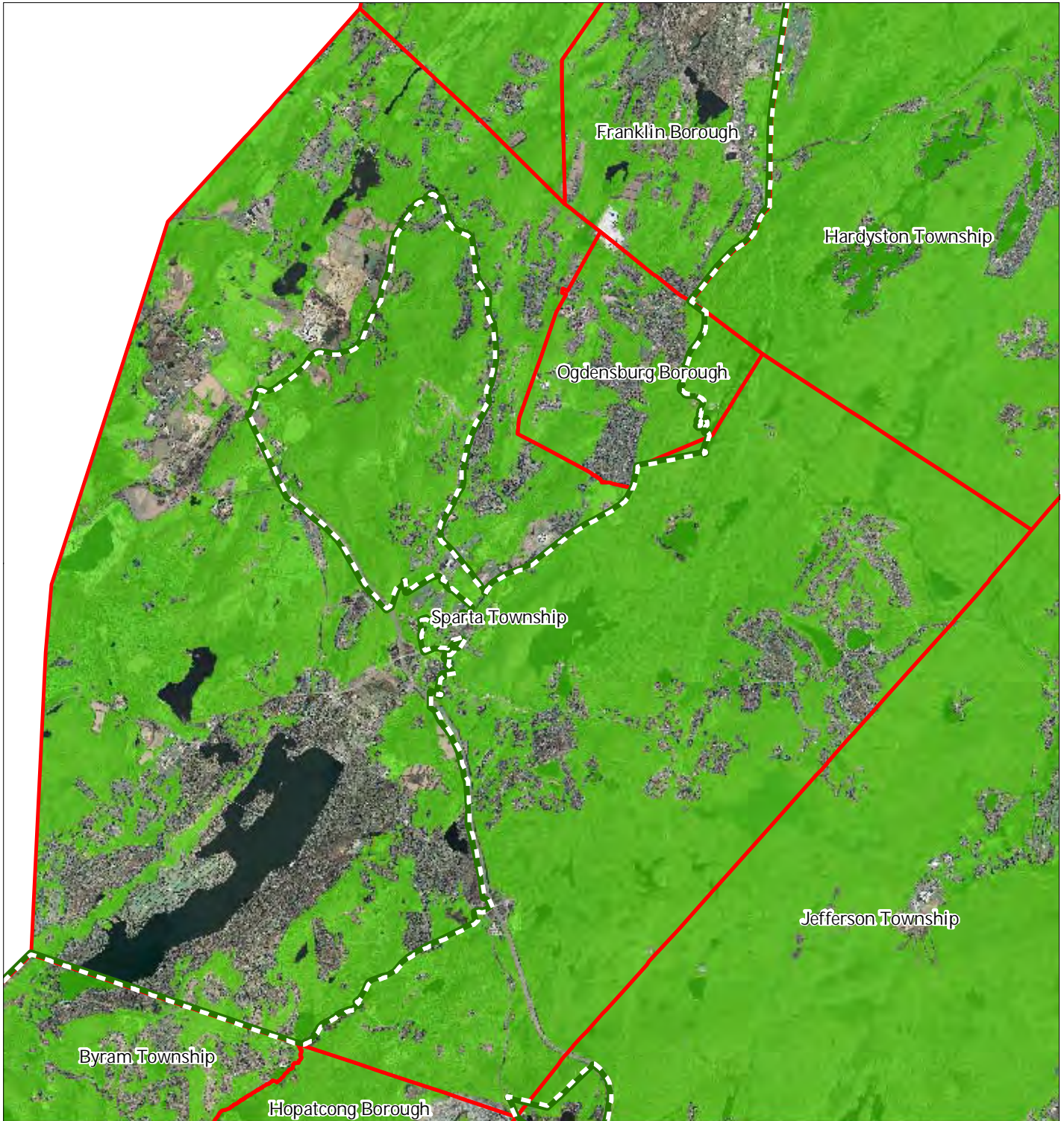
Sparta Township



1 inch = 1.043 miles

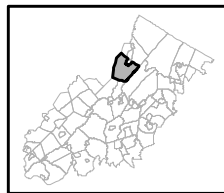


Exhibit M: Critical Wildlife Habitat



-  Critical Wildlife Habitat
-  Preservation Area
-  Municipal Boundaries

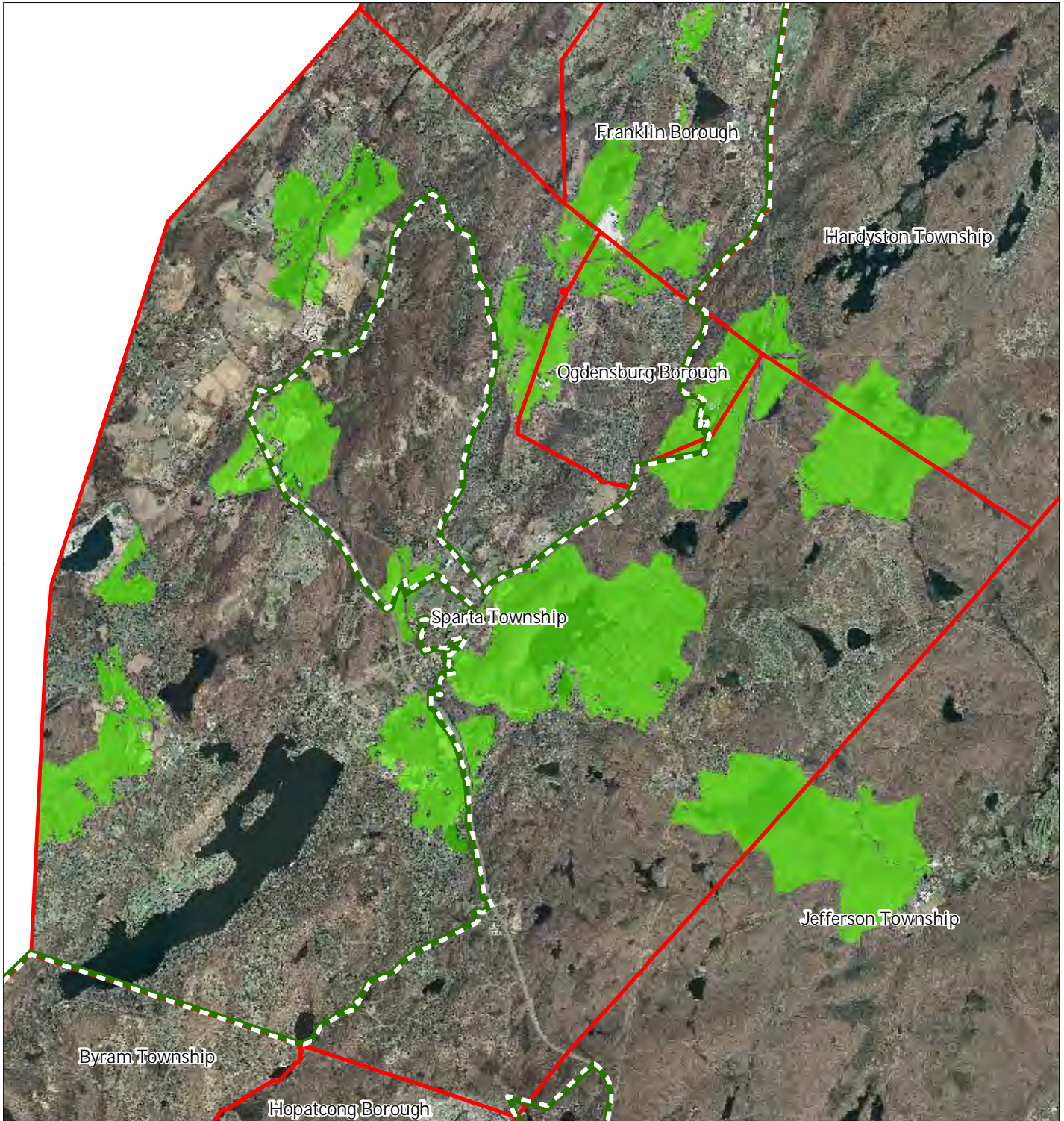
Sparta Township






1 inch = 1.043 miles

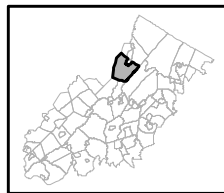


Exhibit N: Significant Natural Areas



Sparta Township

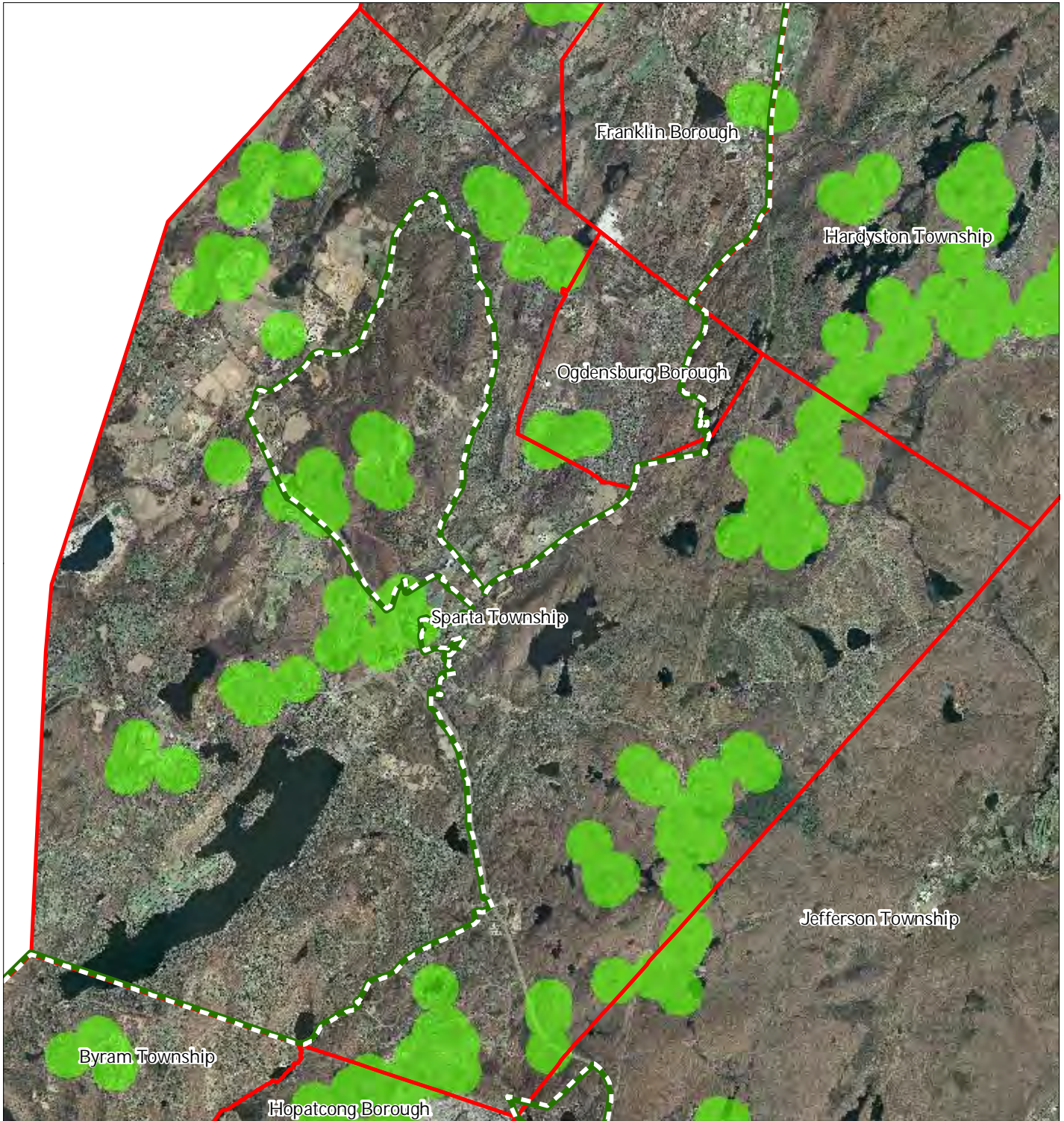
-  Significant Natural Areas
-  Preservation Area
-  Municipal Boundaries






1 inch = 1.043 miles

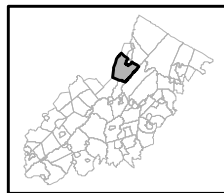


Exhibit O: Vernal Pools



Sparta Township

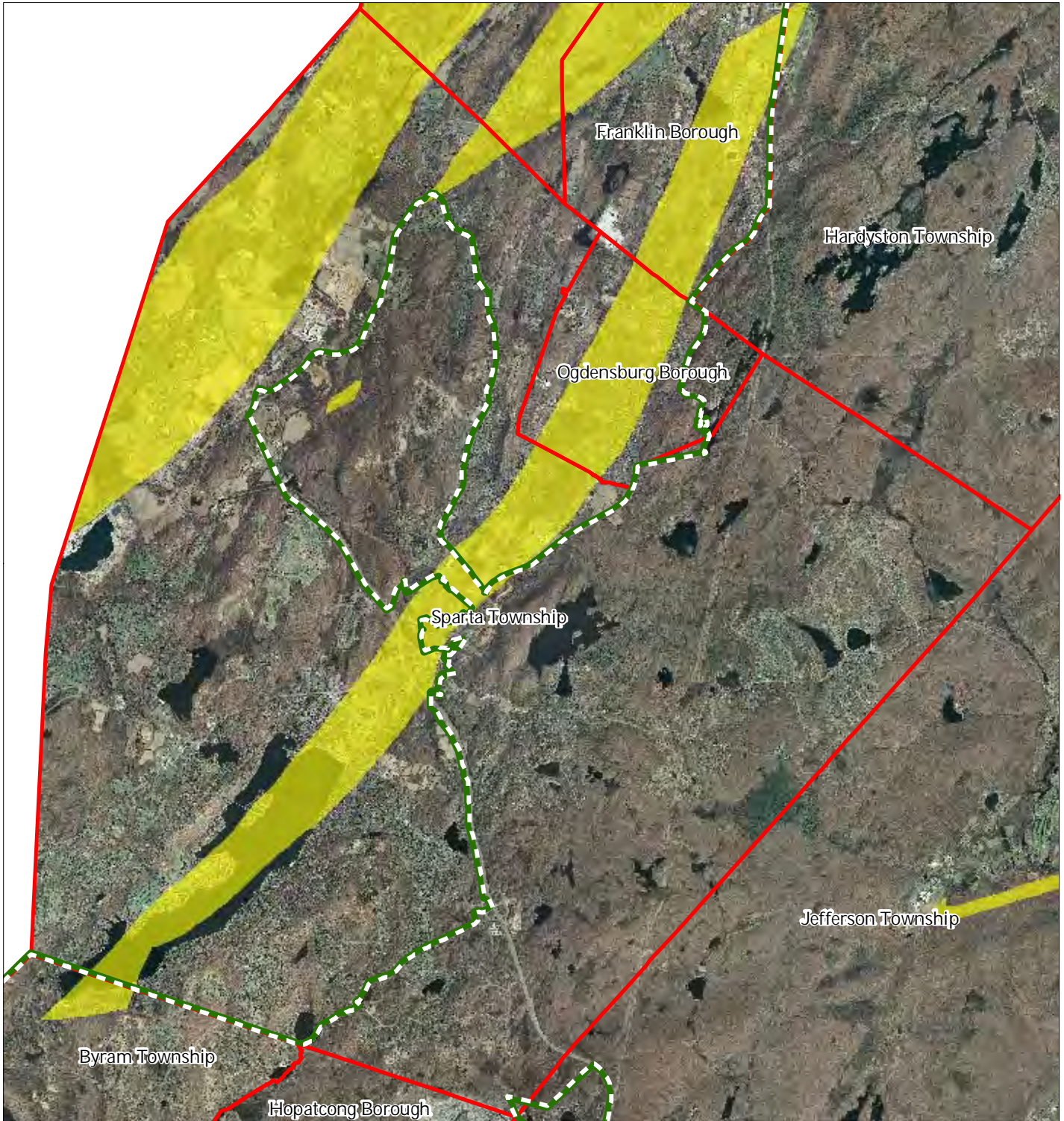
-  Vernal Pools + 1000ft Buffer
-  Preservation Area
-  Municipal Boundaries






1 inch = 1.043 miles

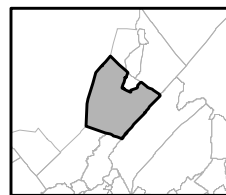
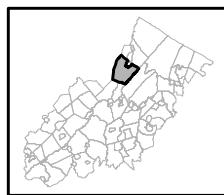


Exhibit P: Carbonate Rock Areas



-  Carbonate Rock Area
-  Preservation Area
-  Municipal Boundaries

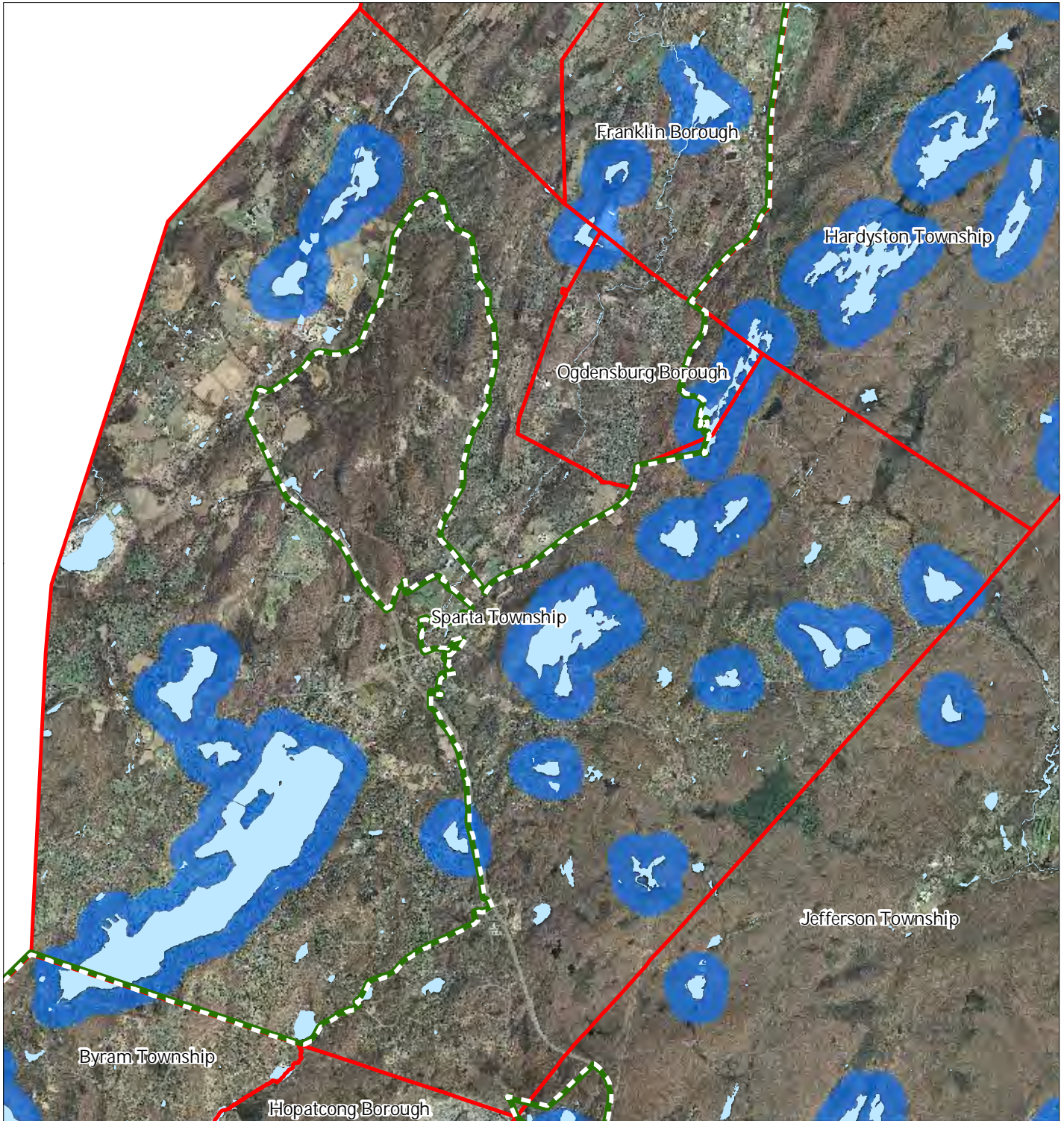
Sparta Township







1 inch = 1.043 miles

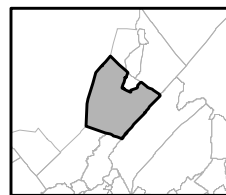
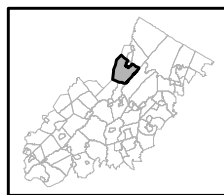


Exhibit Q: Lake Management Area



-  Lakes & Ponds
-  Lake Management Areas
-  Preservation Area
-  Municipal Boundaries

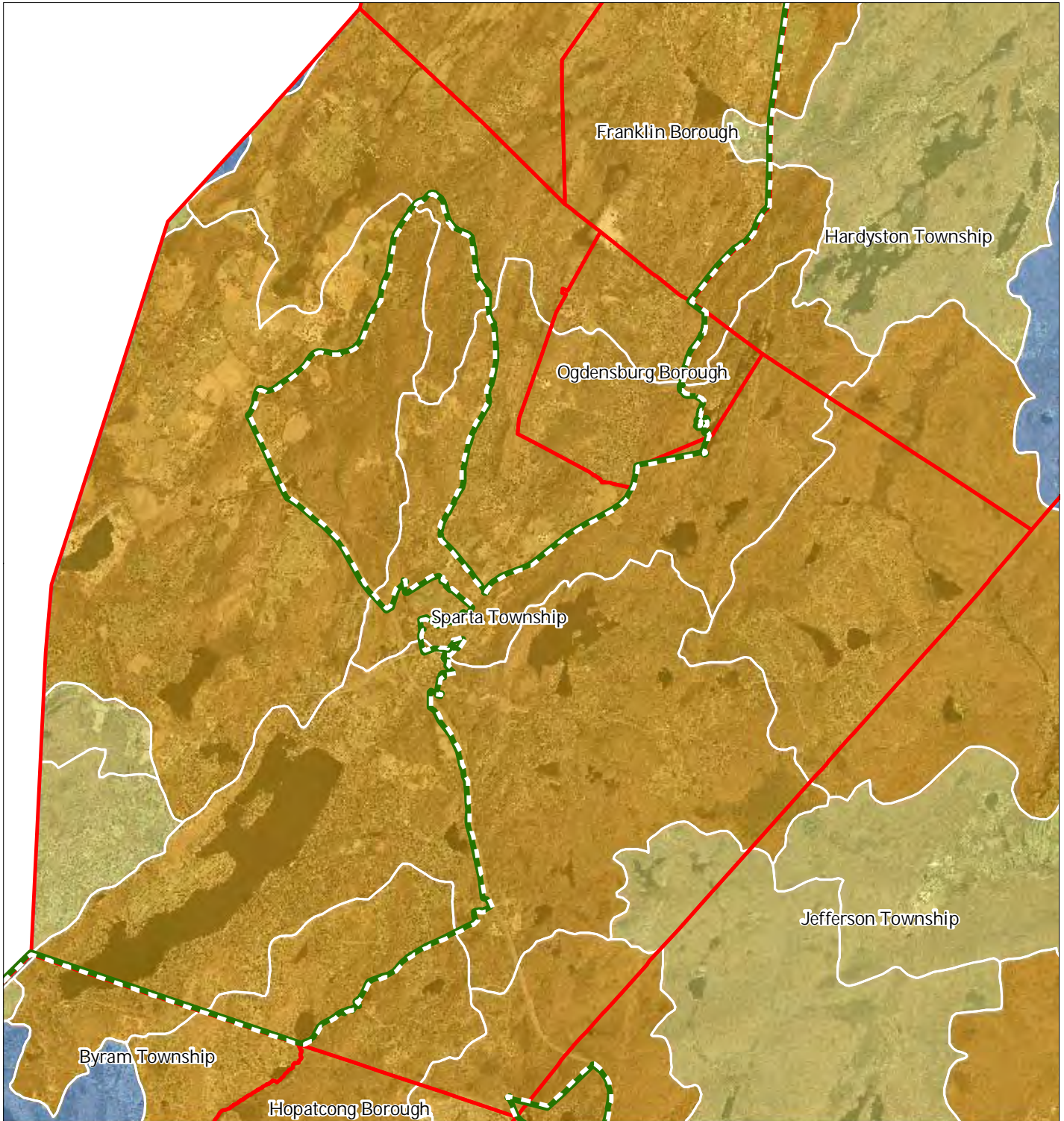
Sparta Township



1 inch = 1.043 miles

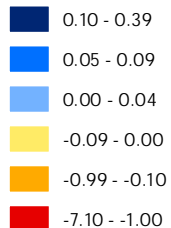




Exhibit R: Net Water Availability



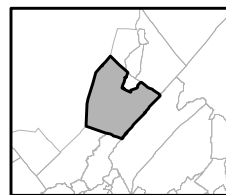
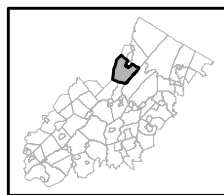
Net Water Availability By HUC14

Million Gallons Per Day (MGD)



 Preservation Area
 Municipal Boundaries

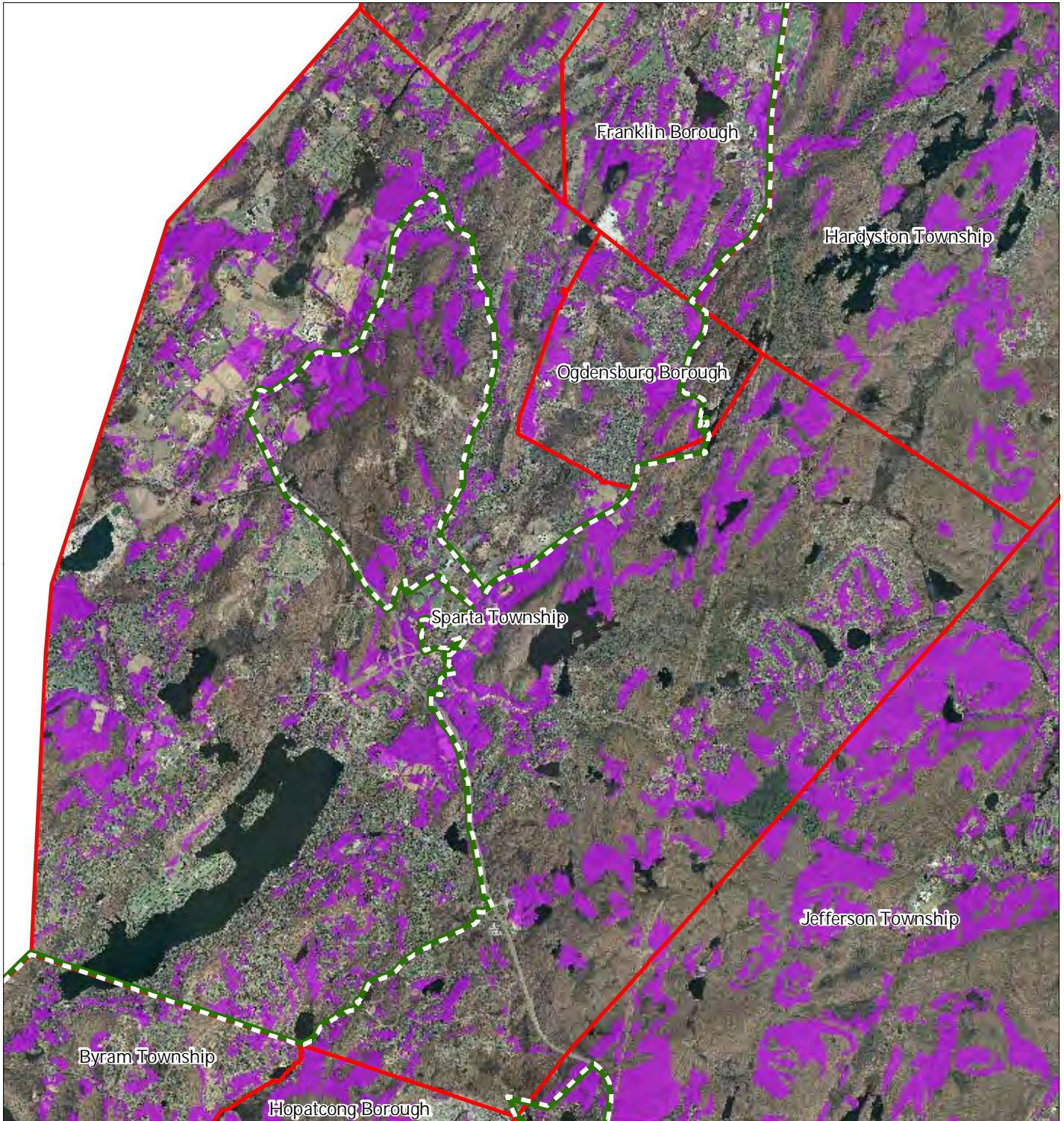
Sparta Township






1 inch = 1.043 miles

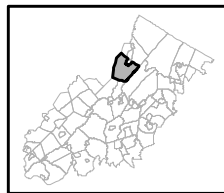


Exhibit S: Prime Ground Water Recharge Areas



Sparta Township

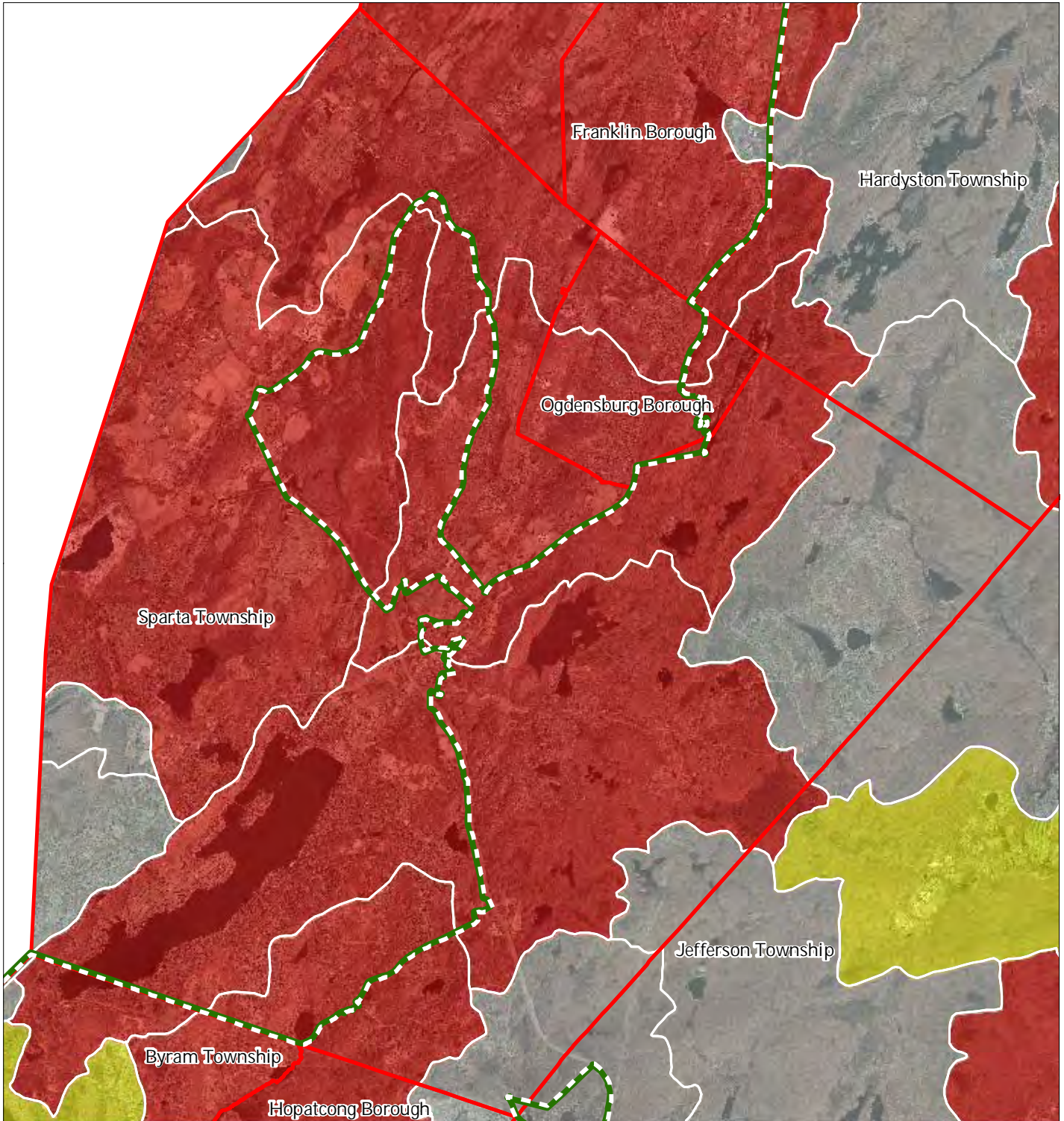
-  Prime Groundwater Recharge Areas
-  Preservation Area
-  Municipal Boundaries



1 inch = 1.043 miles



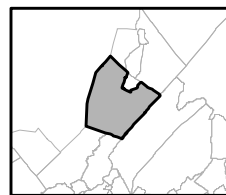
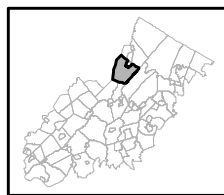
Exhibit T: HUC 14s on NJDEP Impaired Waters List



Impaired Waters Overall Assessment by HUC14 Subwatershed

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

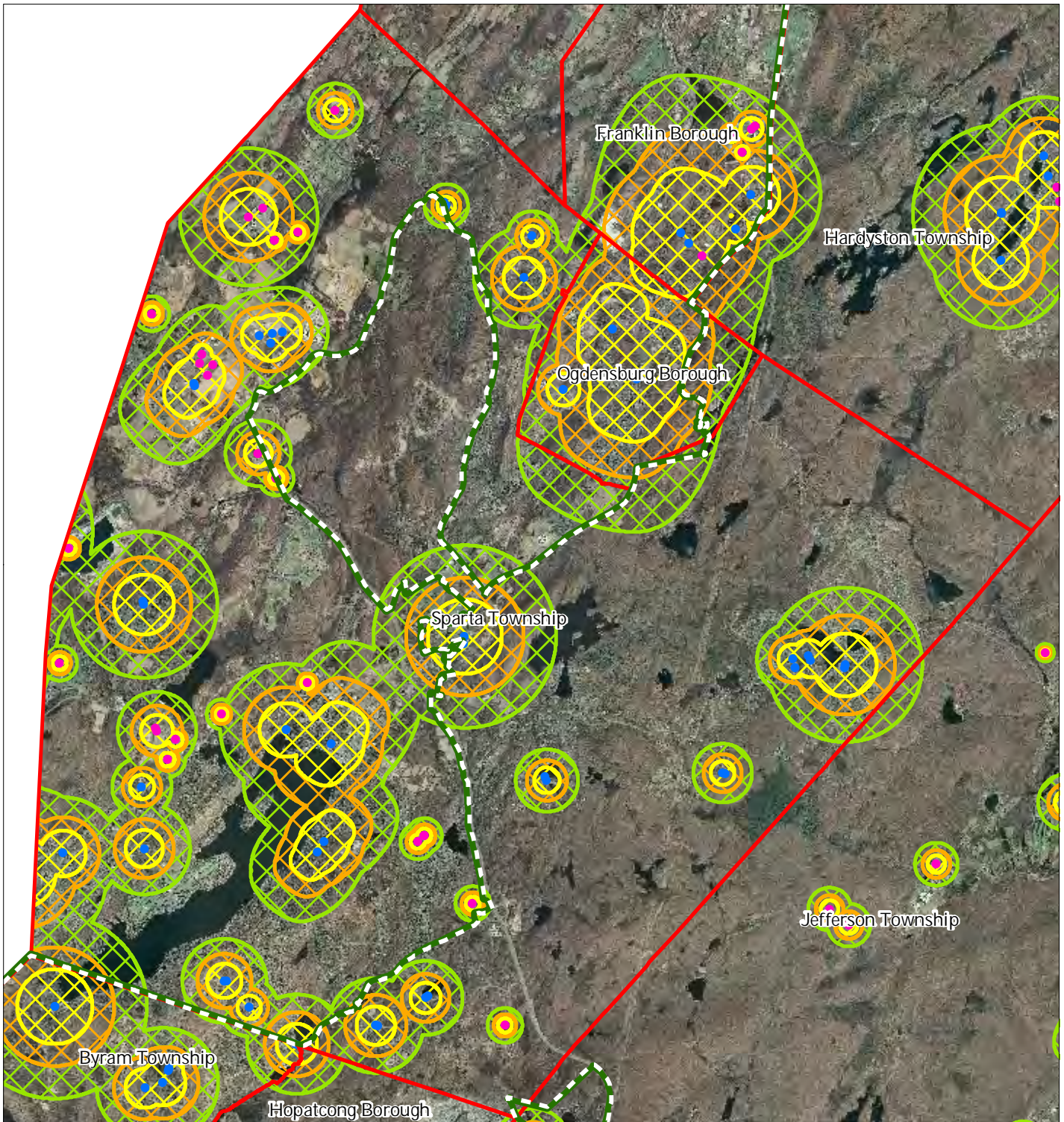
Sparta Township



1 inch = 1.043 miles



Exhibit U: Wellhead Protection Areas



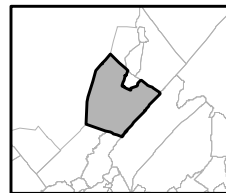
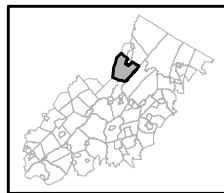
- Public Community Wells
- Public Non-Community Wells

Wellhead Protection Areas

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

- Preservation Area
- Municipal Boundaries

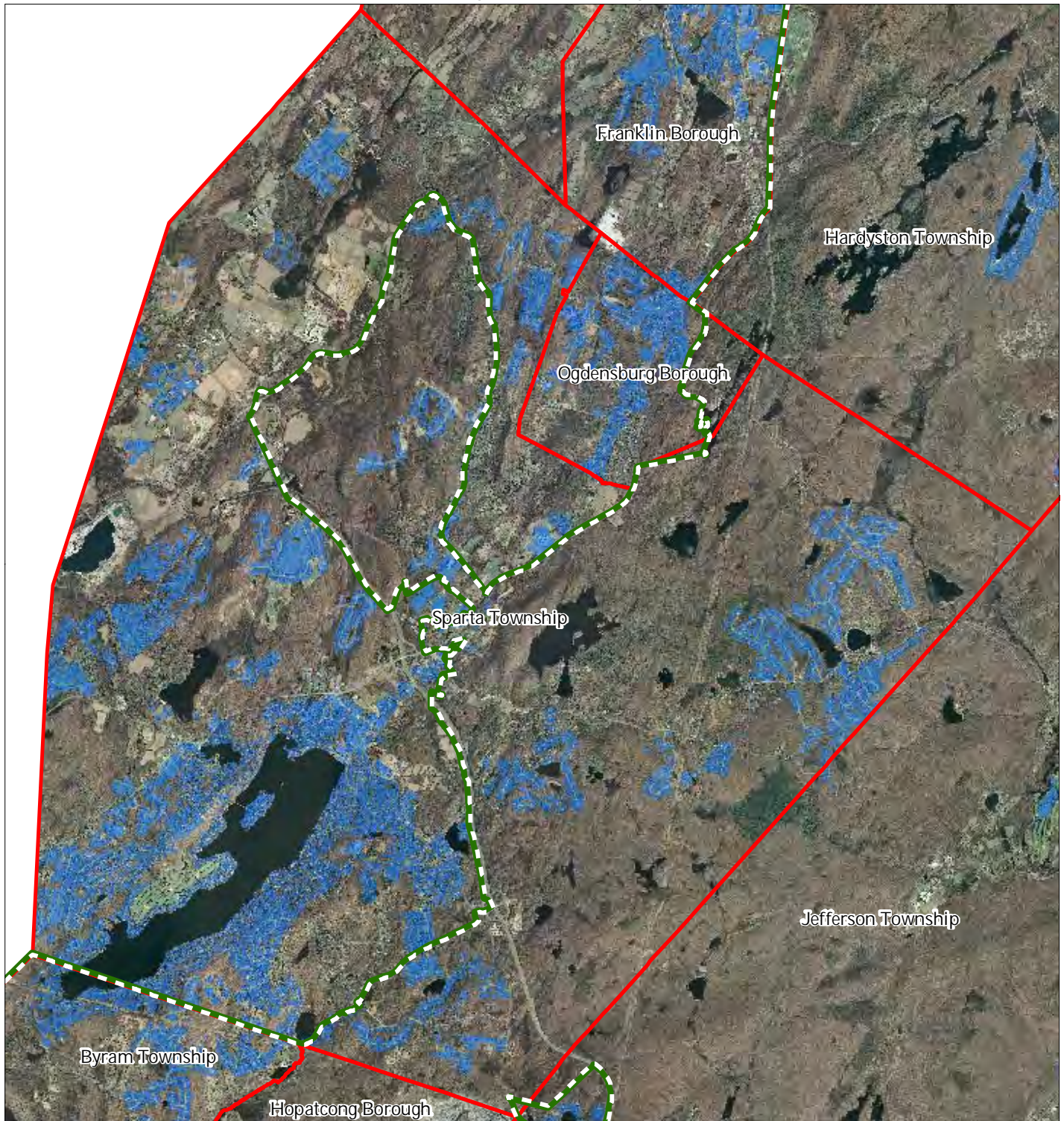
Sparta Township






1 inch = 1.043 miles

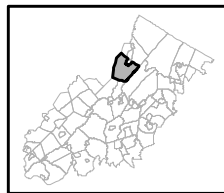


Exhibit V: Public Community Water Systems



-  Public Community Water Systems
-  Preservation Area
-  Municipal Boundaries

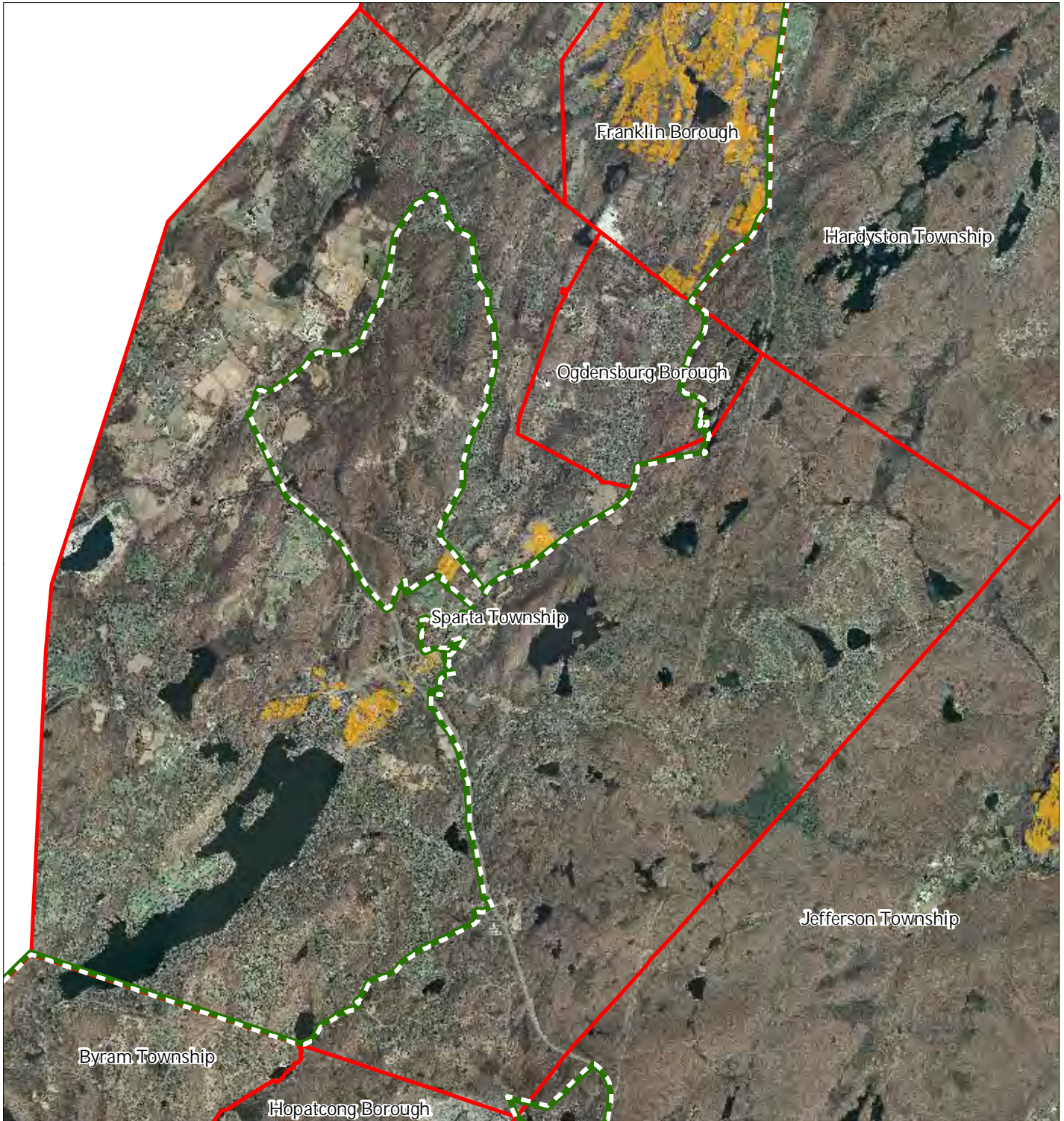
Sparta Township






1 inch = 1.043 miles



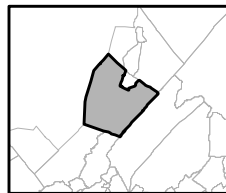
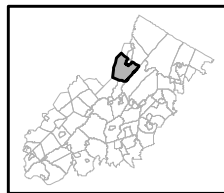
Exhibit W: Highlands Domestic Sewerage Facilities



Highlands Domestic Sewerage Facilities

-  Existing Area Served
-  Preservation Area
-  Municipal Boundaries

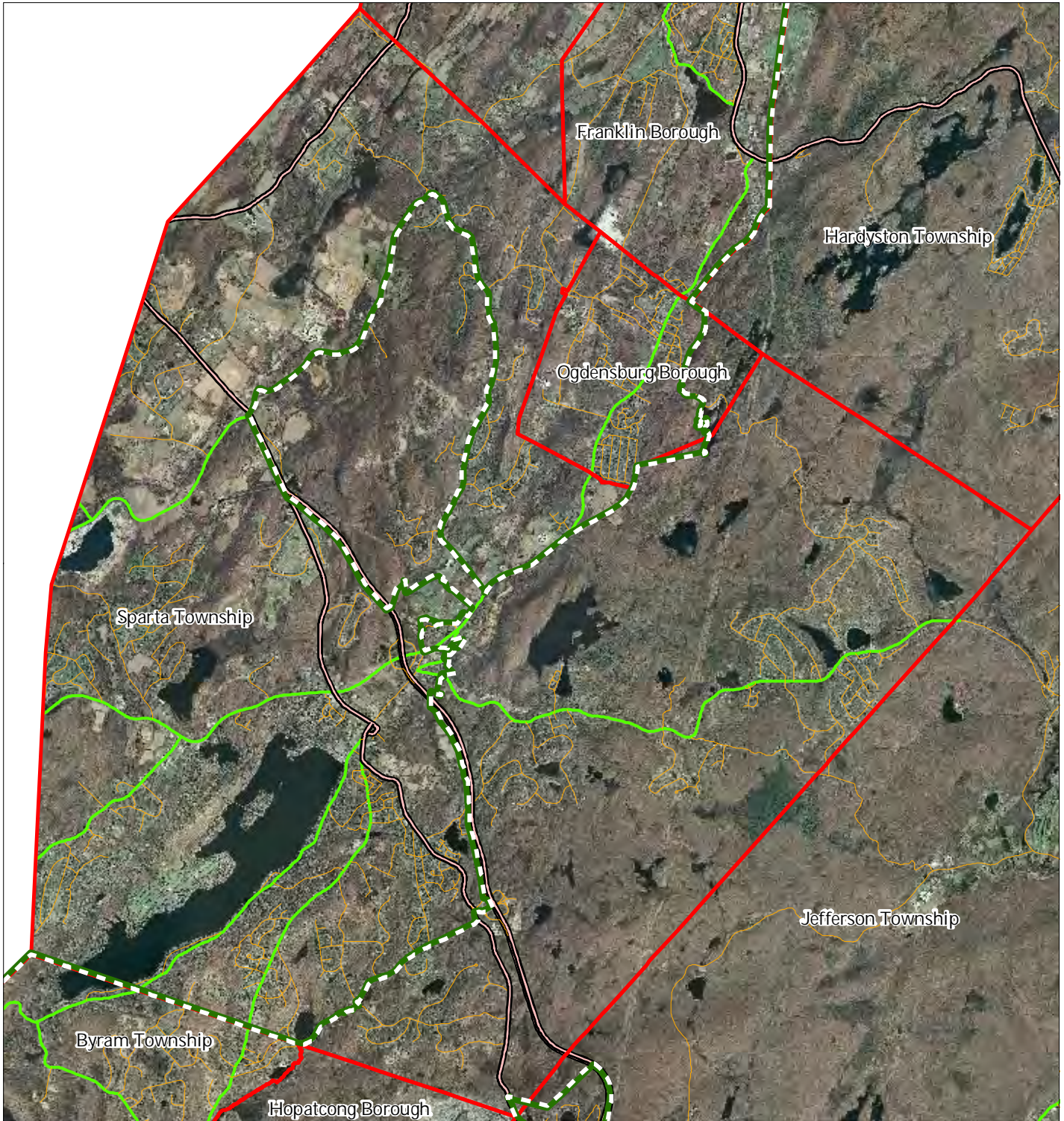
Sparta Township



1 inch = 1.043 miles




Exhibit Y: Highlands Roadway Network



Roadway Network

 Interstate Highways

 U.S. Routes

 State Routes

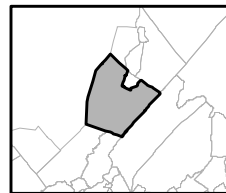
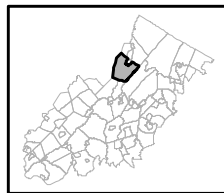
 County Routes

 Local Routes

 Preservation Area

 Municipal Boundaries

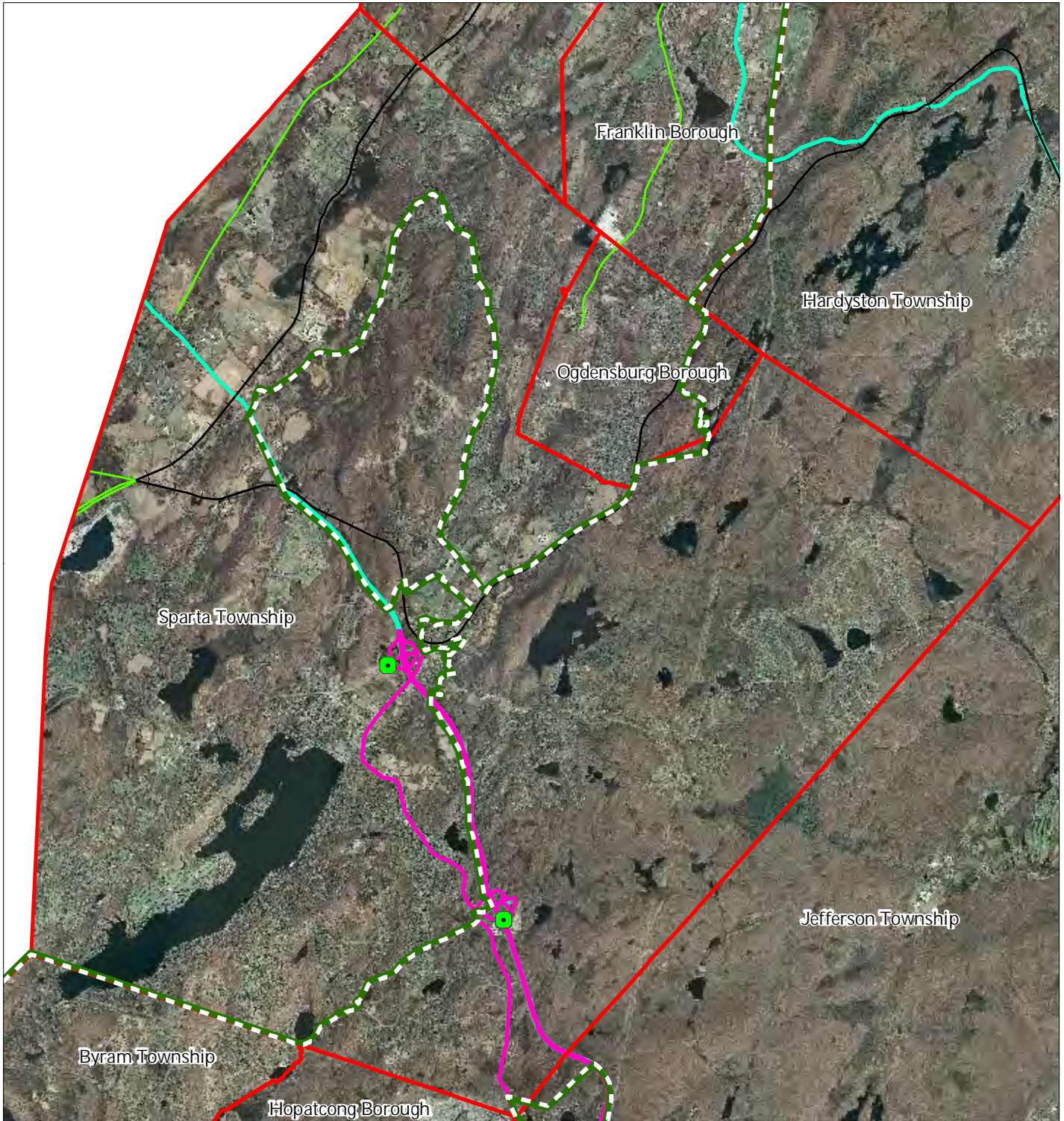
Sparta Township



1 inch = 1.043 miles

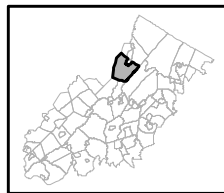


Exhibit Z: Highlands Transit Network



- | | |
|---|----------------------|
| Rail Network | Rail Stations |
| <i>Boonton Line</i> | Park and Ride Sites |
| <i>Main Line & Bergen County Line</i> | Private Bus Lines |
| <i>Morris and Essex Line</i> | NJ Transit Bus Lines |
| <i>Raritan Valley Line</i> | Airports |
| Freight Rail Lines | |
| <i>Freight Rail Lines</i> | |
| <i>Abandoned Freight Rail</i> | |

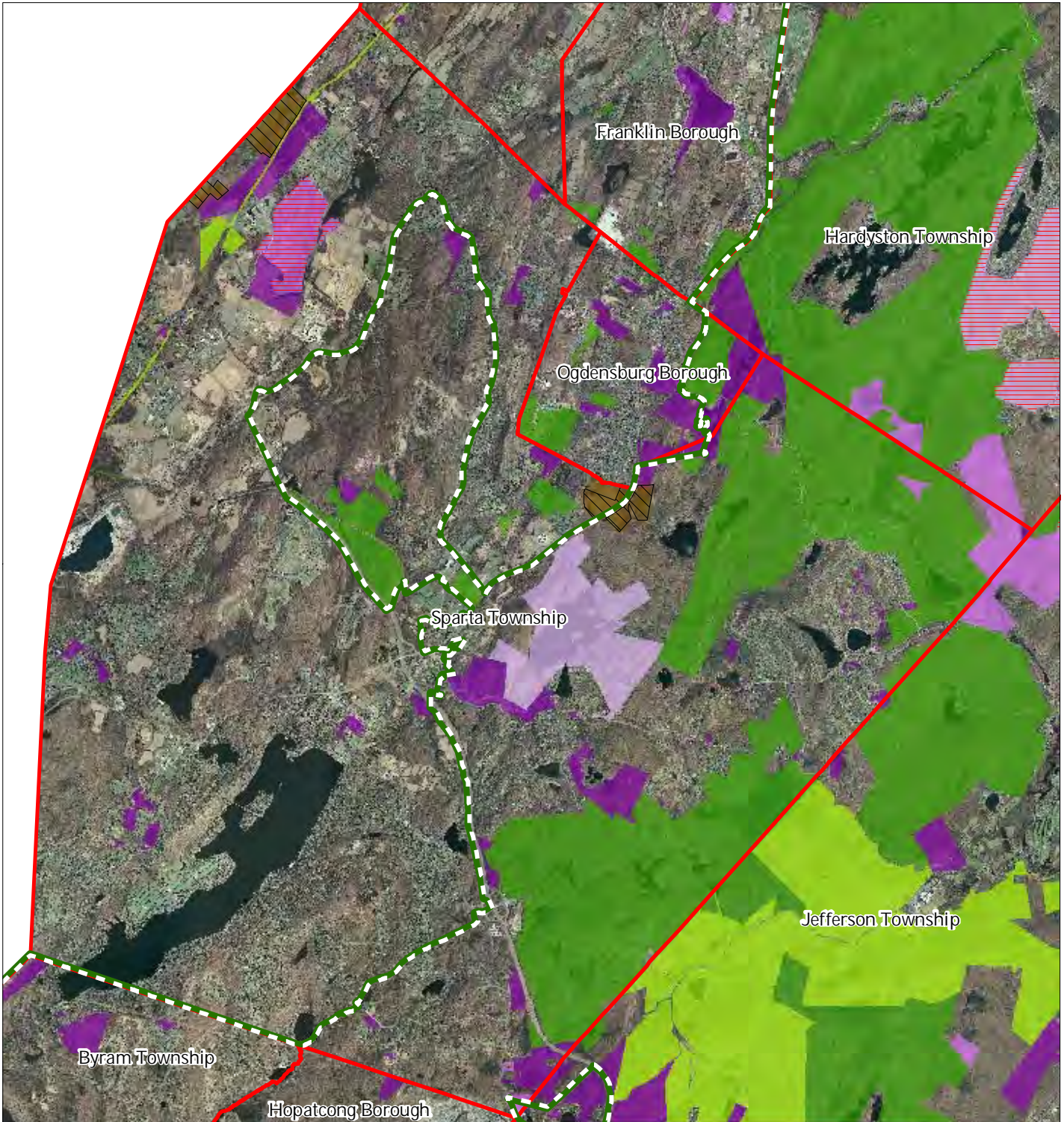
Sparta Township



1 inch = 1.043 miles

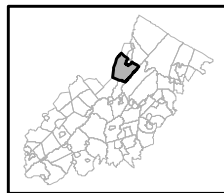


Exhibit AA: Preserved Lands



- | | |
|---|-------------------------------|
| Preserved Lands | Conservation Easements |
| Federal Open Space | Green Acres |
| State Open Space | SADC Easements |
| County Open Space | SADC Final |
| Municipal Open Space | SADC Preserved |
| Non-Profit/Private Open Space | Municipal Boundaries |
| Water Supply Watershed Lands | Preservation Area |
| Preserved Farmland | |
| Highlands Transfer of Development Lands | |

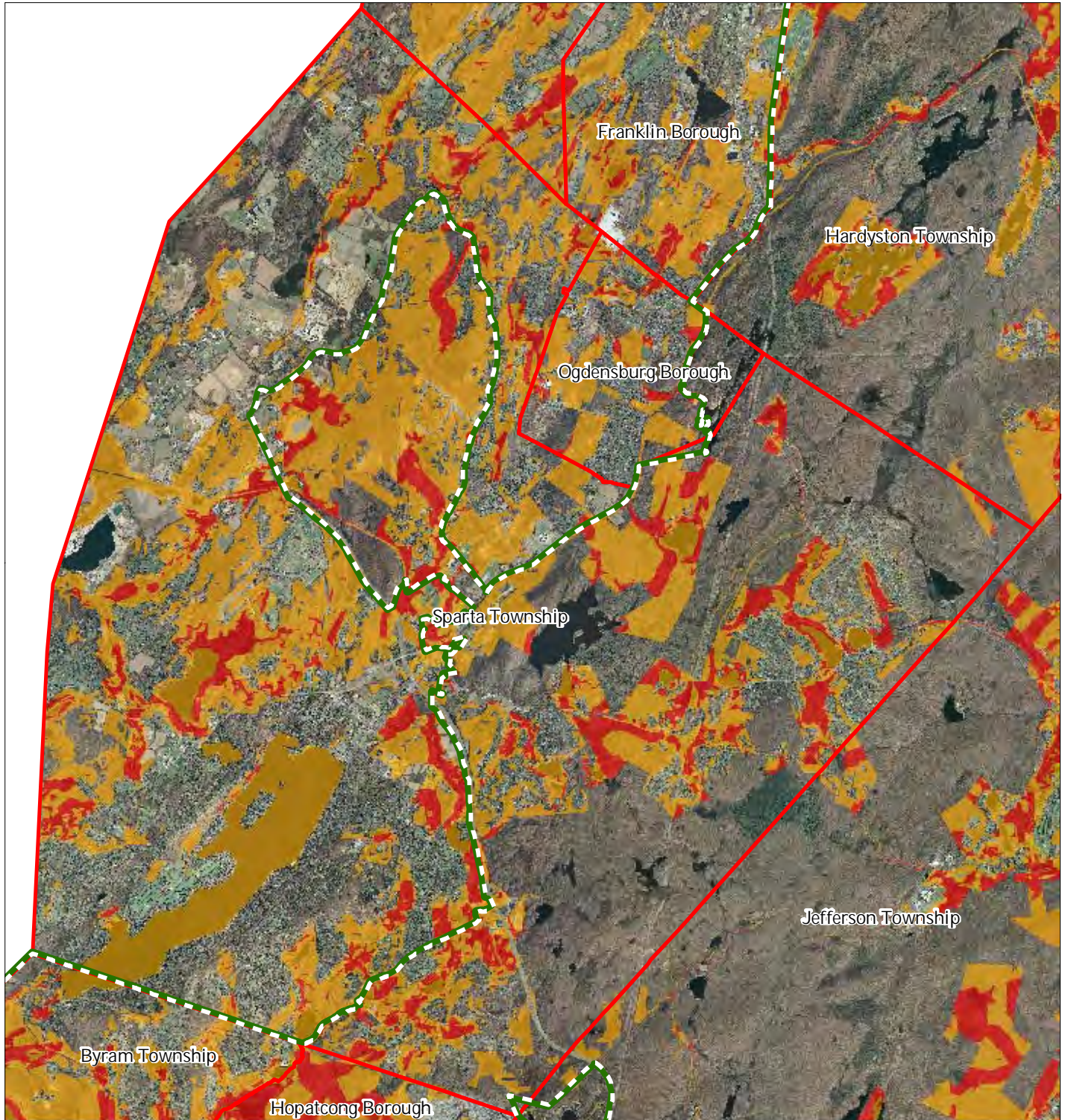
Sparta Township



1 inch = 1.043 miles



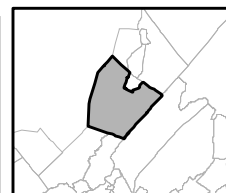
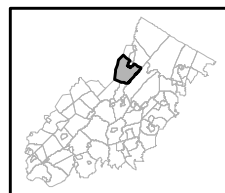
Exhibit BB: Highlands Conservation Priority Areas



Conservation Priority Area

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

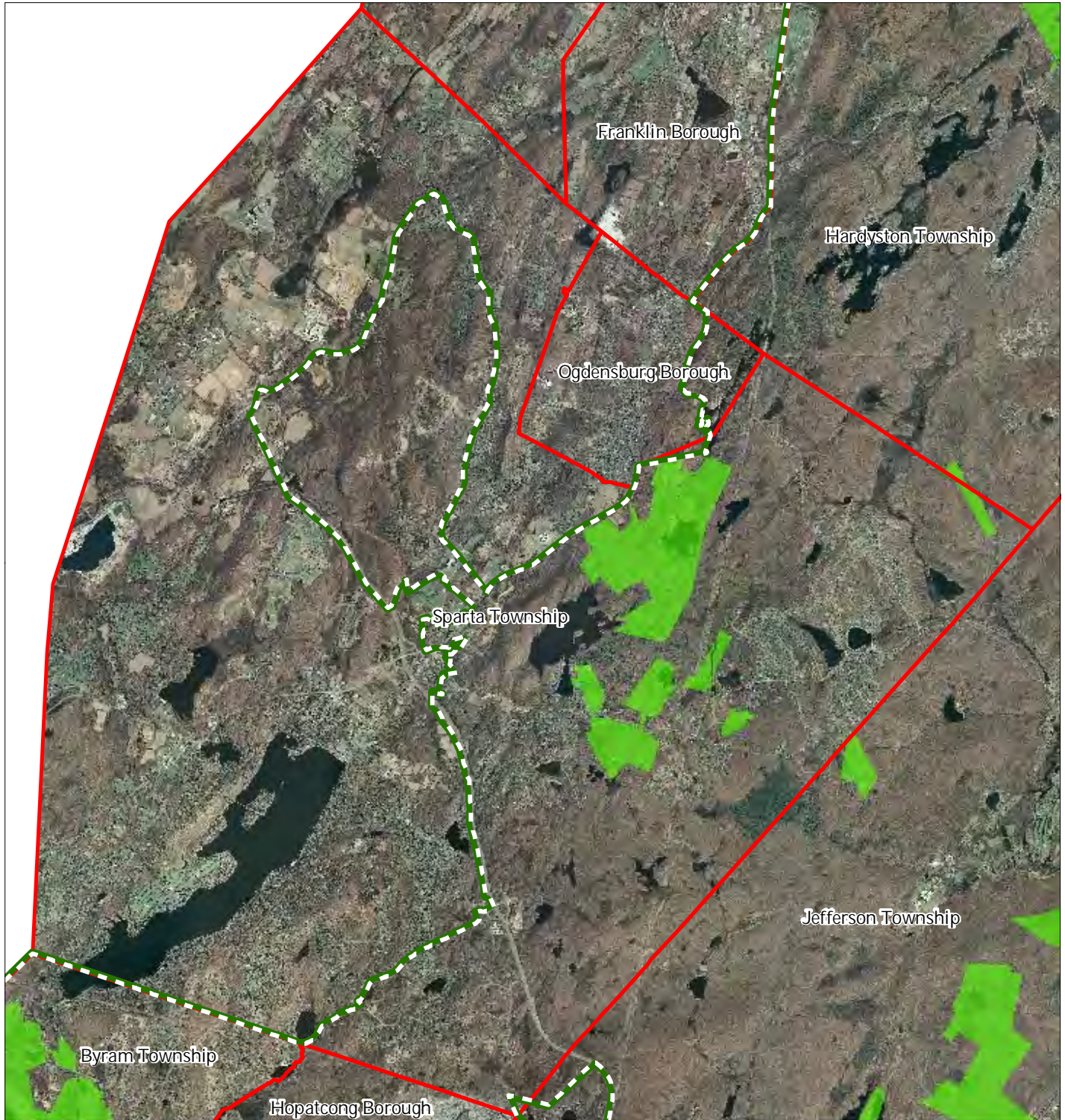
Sparta Township






1 inch = 1.043 miles

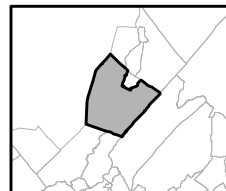
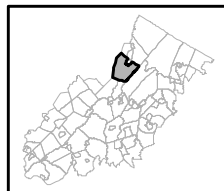


Exhibit CC: Highlands Special Environmental Zone



-  Special Environmental Zones
-  Preservation Area
-  Municipal Boundaries

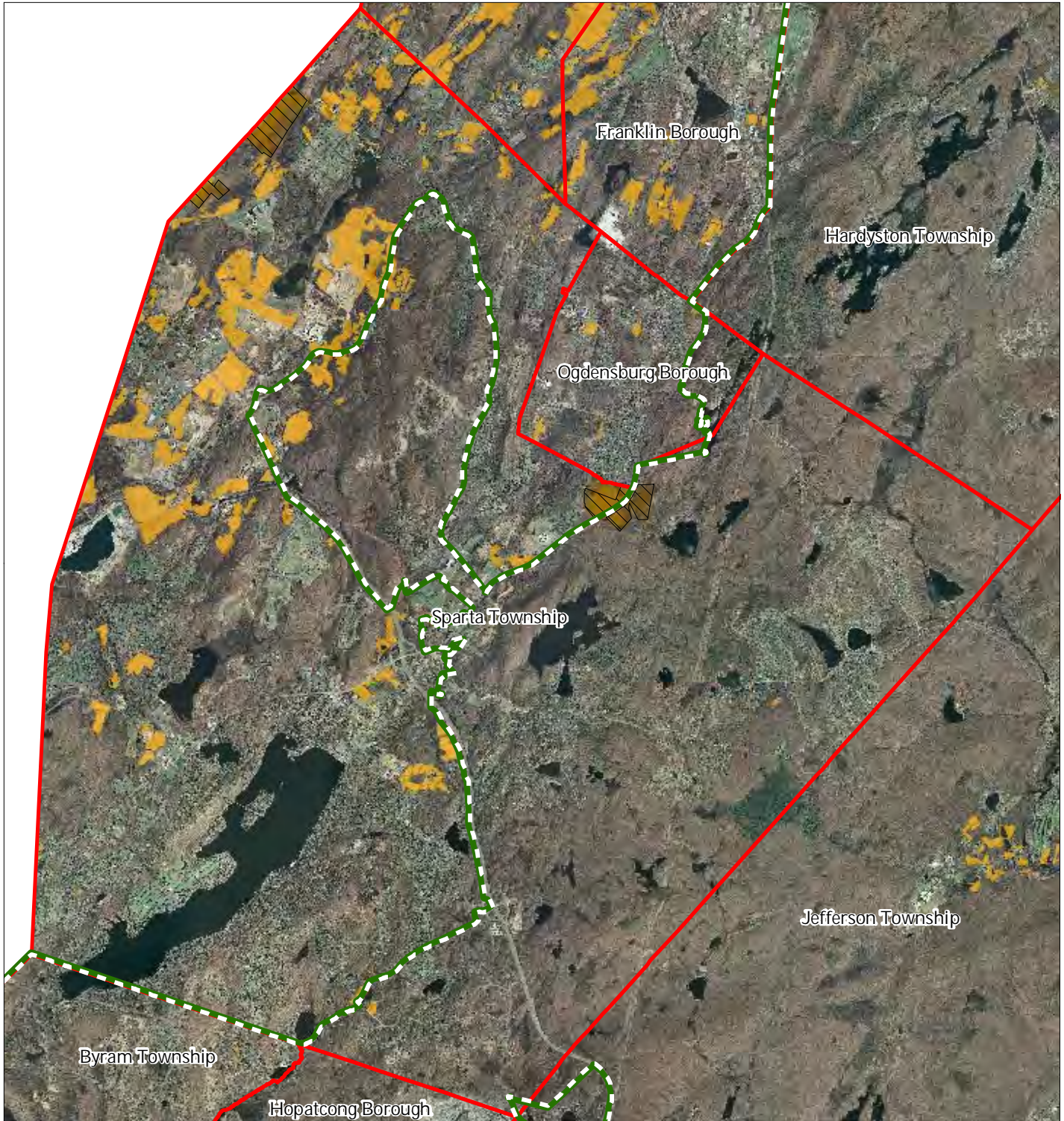
Sparta Township



1 inch = 1.043 miles



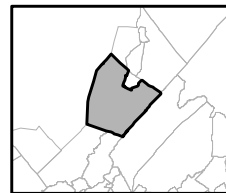
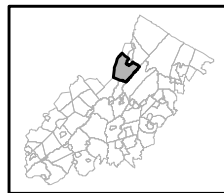
Exhibit DD: Preserved Farms, SADC Easements, All Agricultural Uses



SADC Easements

-  *SADC Final*
-  *SADC Preserved*
-  Preserved Farmland
-  Agriculture Uses
-  Preservation Area
-  Municipal Boundaries

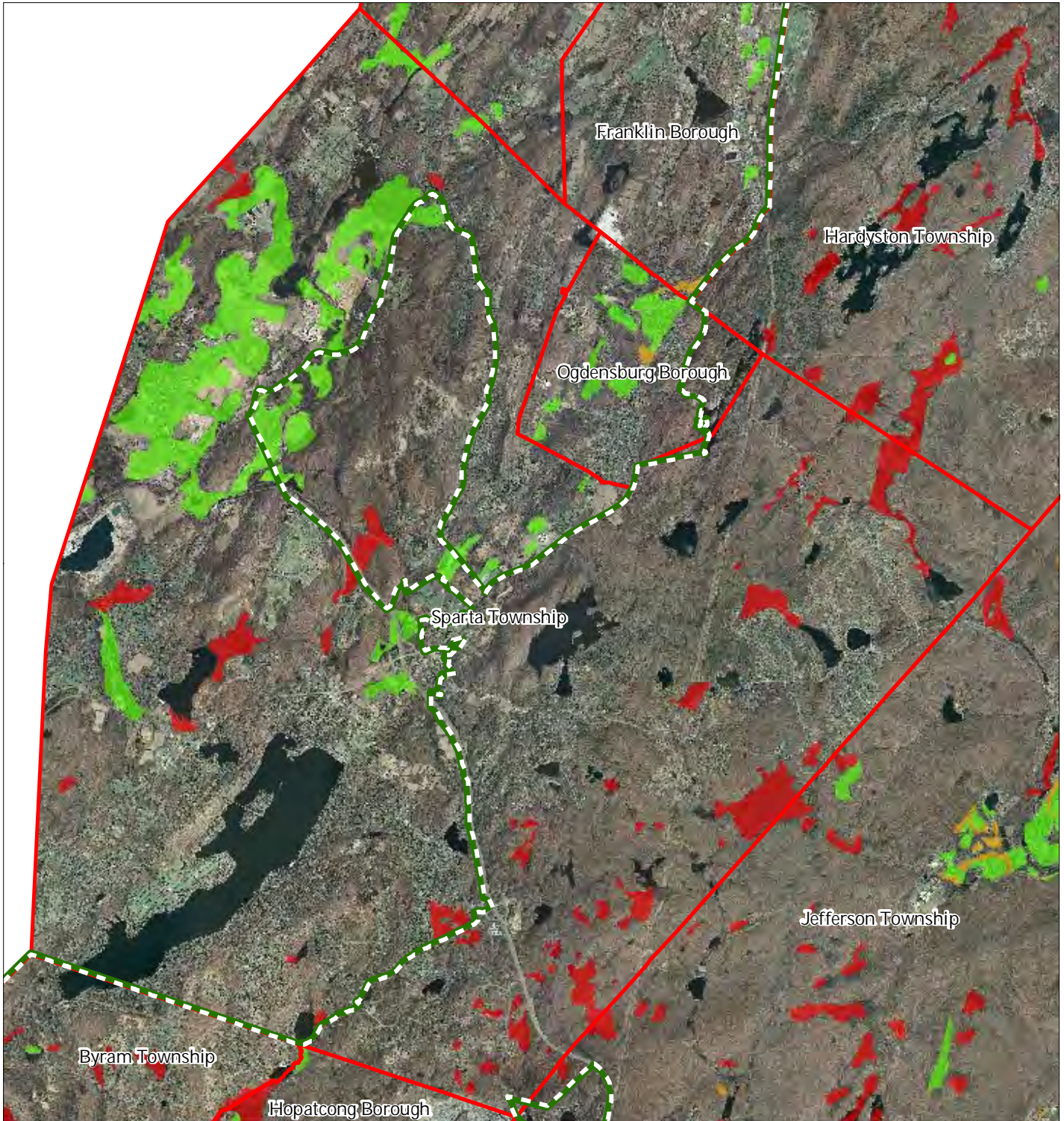
Sparta Township



1 inch = 1.043 miles



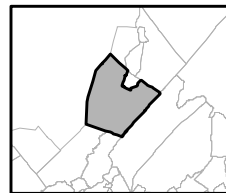
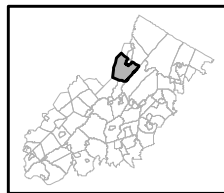
Exhibit EE: Important Farmland Soils



Important Farmland Soils

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

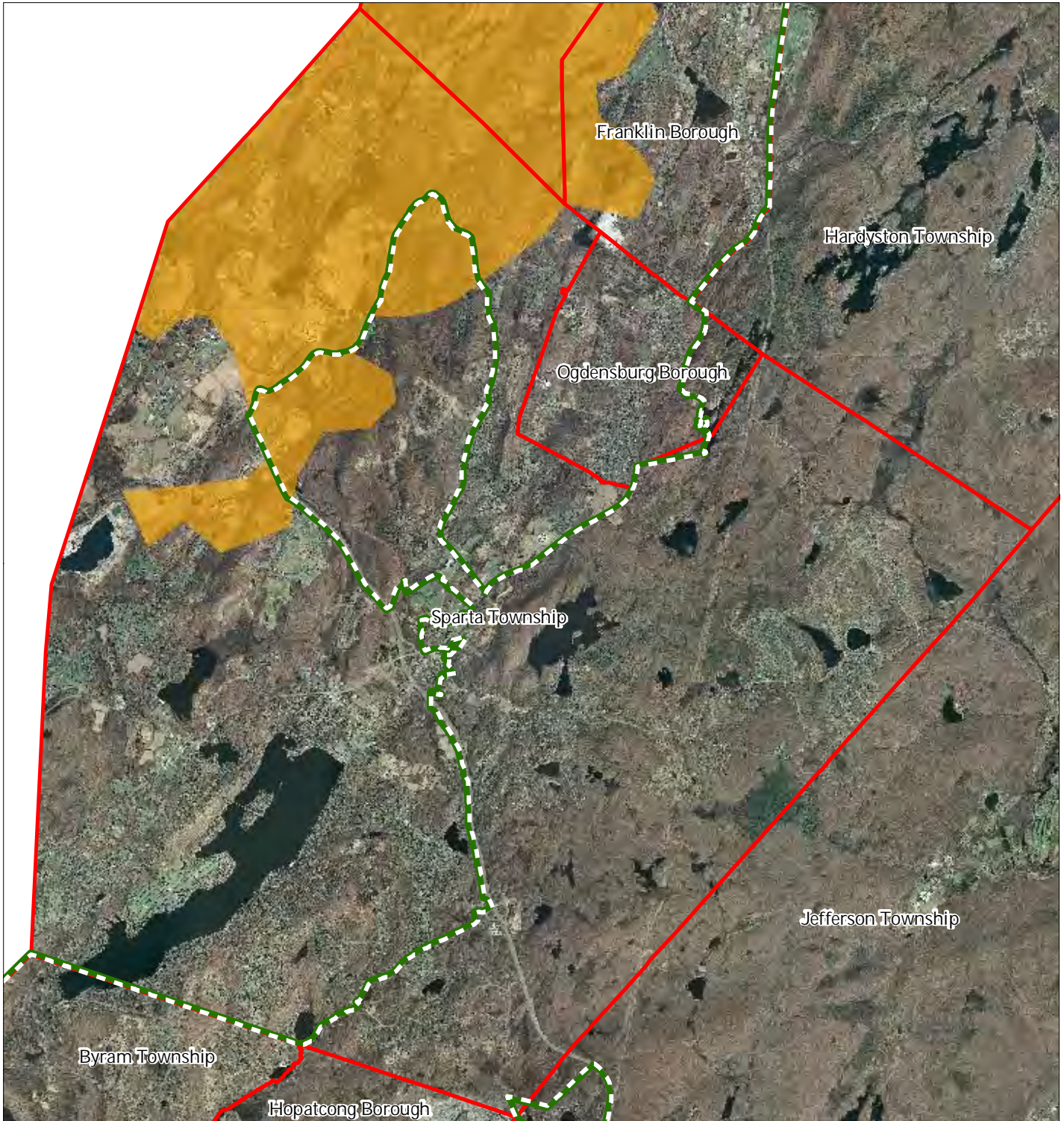
Sparta Township






1 inch = 1.043 miles

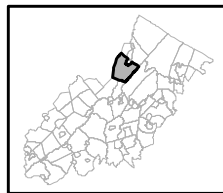


Exhibit FF: Agricultural Resource Area



-  Agricultural Resource Area
-  Preservation Area
-  Municipal Boundaries

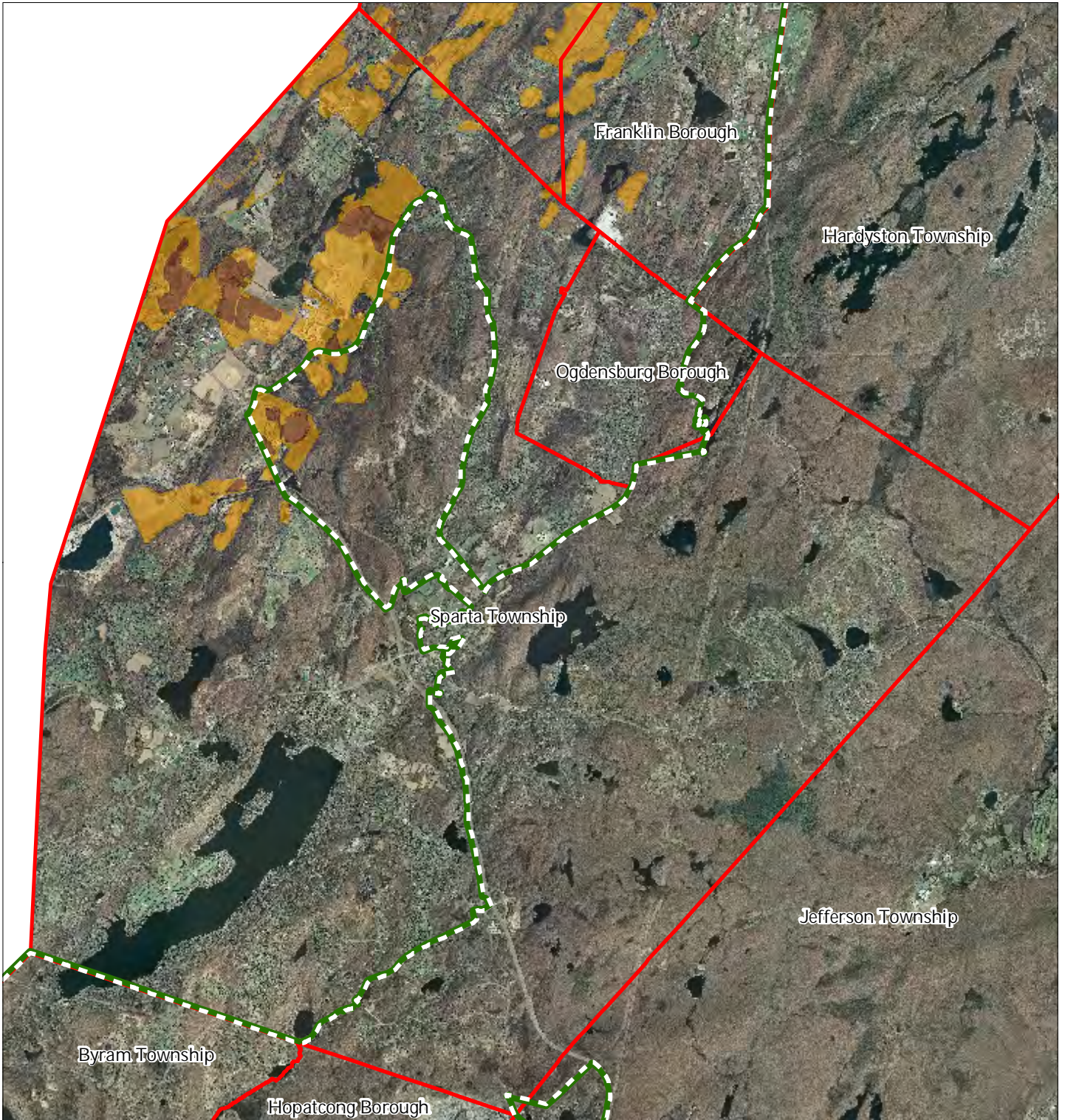
Sparta Township




1 inch = 1.043 miles



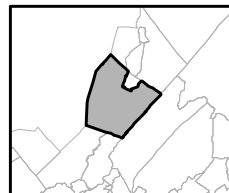
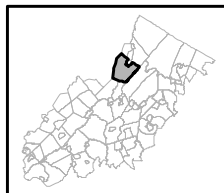
Exhibit GG: Highlands Agricultural Priority Area



Agricultural Priority Area

-  Moderate
-  High
-  Preservation Area
-  Municipal Boundaries

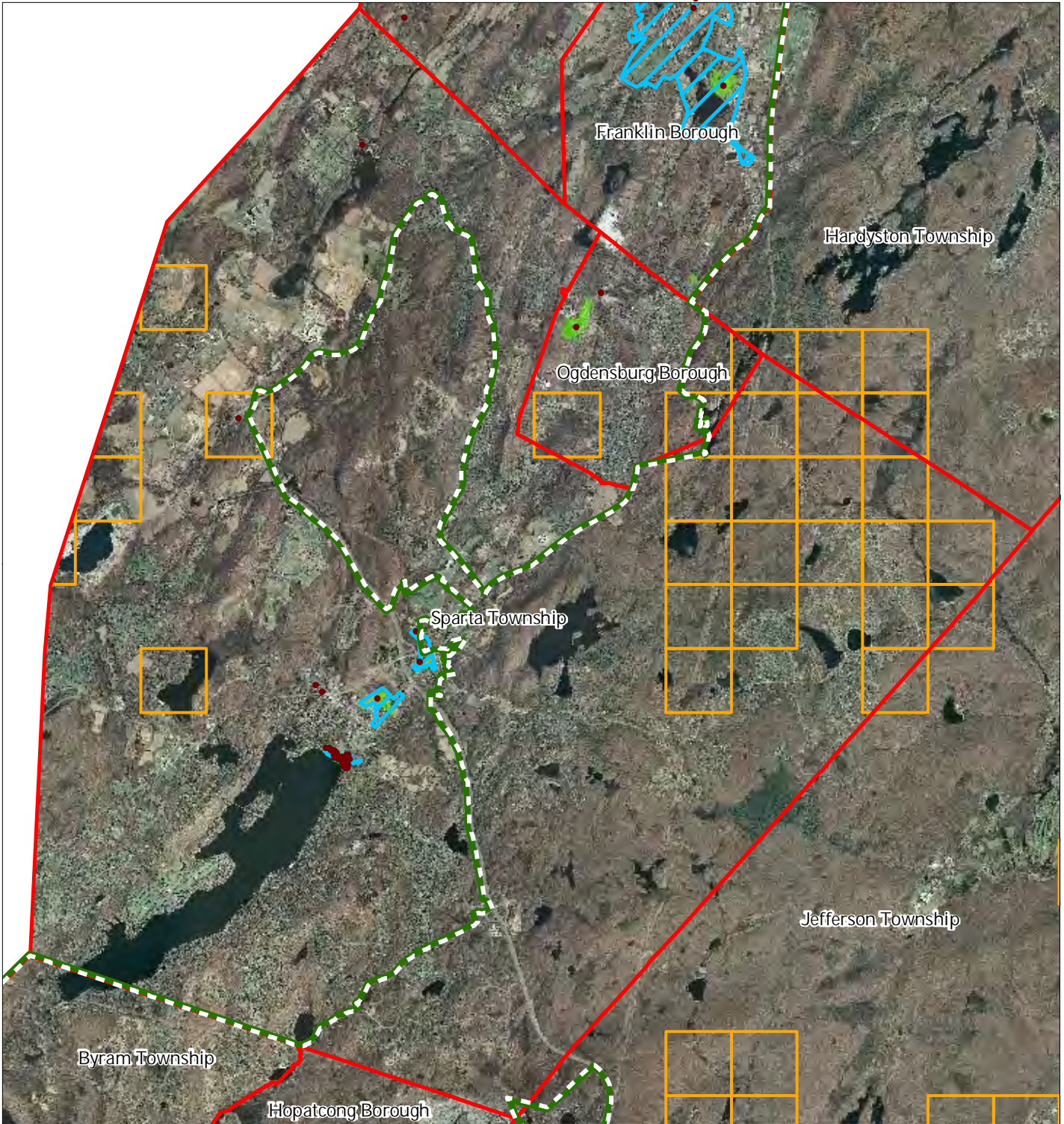
Sparta Township



1 inch = 1.043 miles

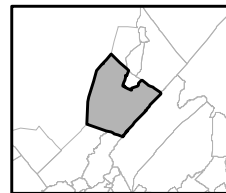
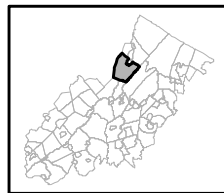


Exhibit HH: Historic, Cultural, and Archaeological Resources Inventory



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

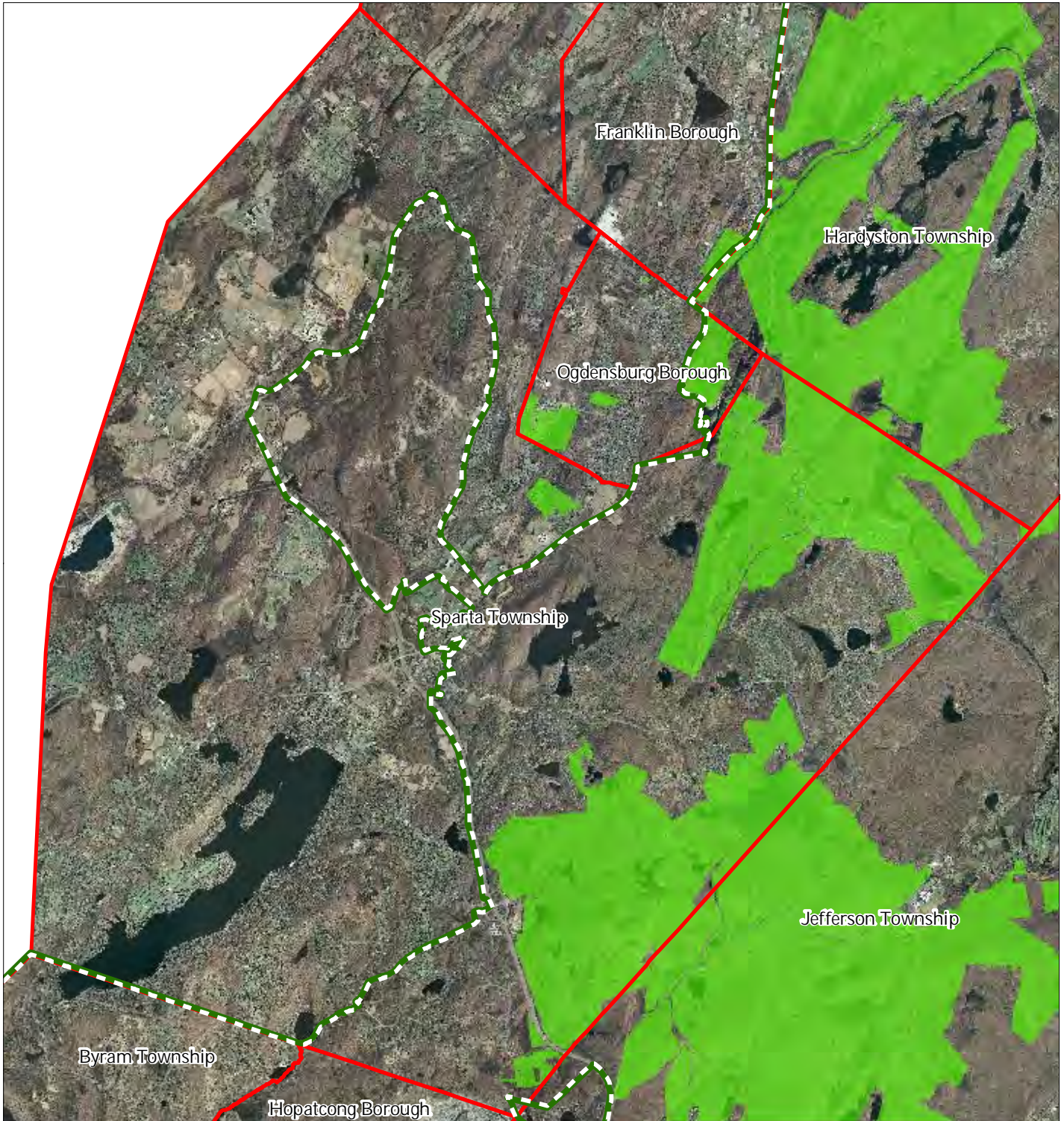
Sparta Township






1 inch = 1.043 miles

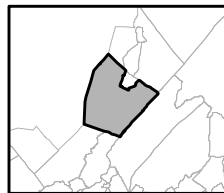
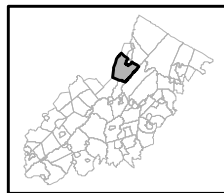


Exhibit II: Baseline Scenic Resources Inventory



Sparta Township

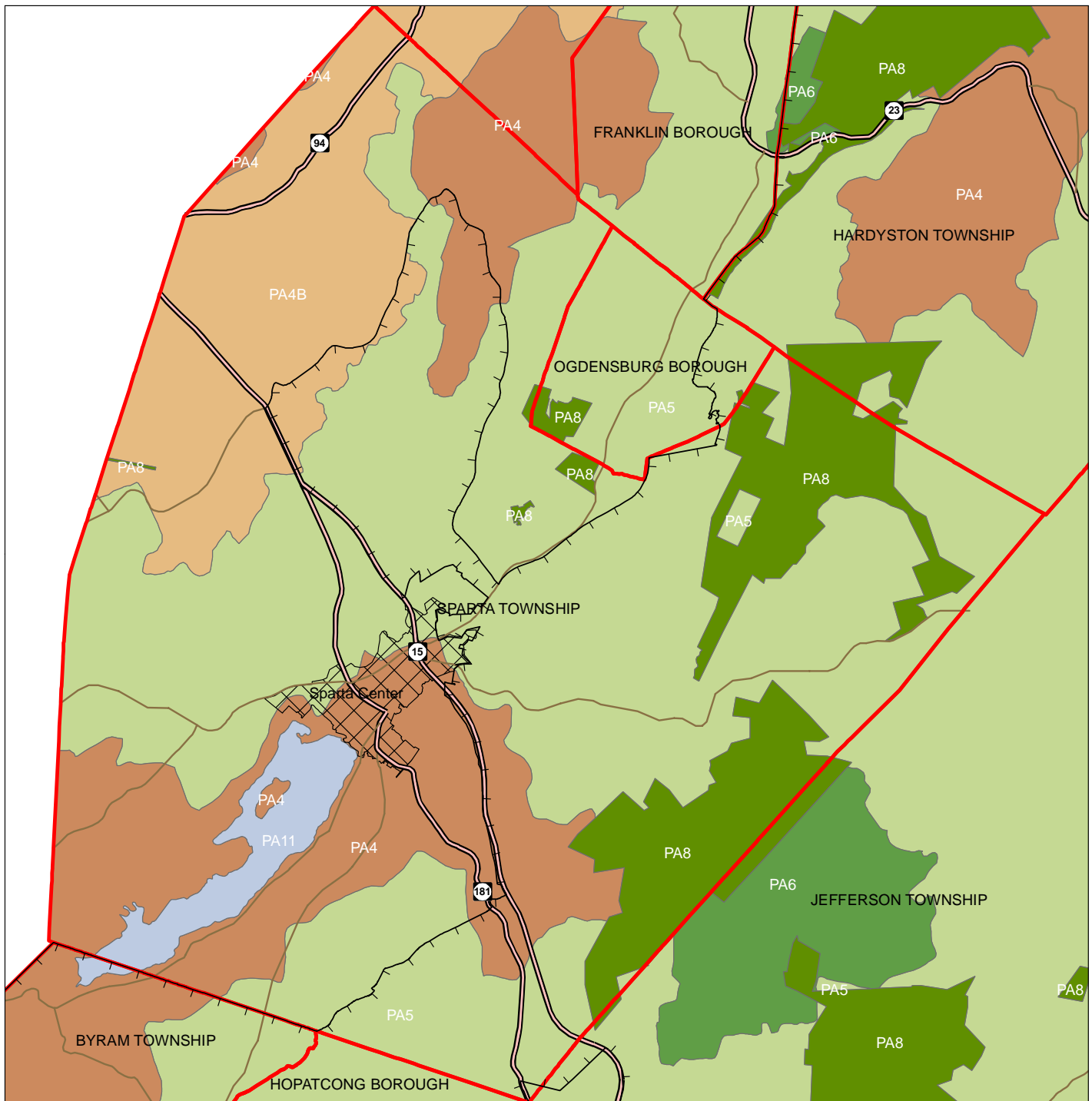
-  Scenic Resources
-  Municipal Boundaries
-  Preservation Area



1 inch = 1.043 miles



Exhibit JJ: SDRP Planning Areas & Designated Centers



Legend

- Preservation Area
- Municipal Boundaries
- Interstate Highways
- U.S. Routes
- State Routes
- County Routes
- Designated Centers*

State Planning Areas*

- METROPOLITAN (PA1)
- SUBURBAN (PA2)
- FRINGE (PA3)
- RURAL (PA4)
- RURAL ENVIRONMENTALLY SENSITIVE (PA42)

- ENVIRONMENTALLY SENSITIVE (PA5)
- PARK (PA6)
- FEDERAL PARK (PA7)
- STATE PARK (PA8)
- WATER (PA11)
- MILITARY (PA12)

1 inch equals 1.11 miles

* All designated centers expired on 1/7/2008 except Byram (expires 5/19/2010), Stanhope (expires 10/16/2008), and Sparta and Vernon (expire 7/16/2009). Center designation may be redesignated by the State Planning Commission and the Highlands Council. State Planning Areas are from the State Development and Redevelopment Plan.

