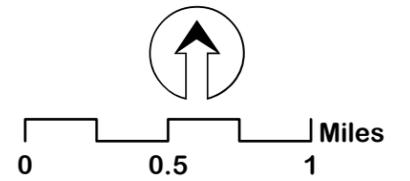
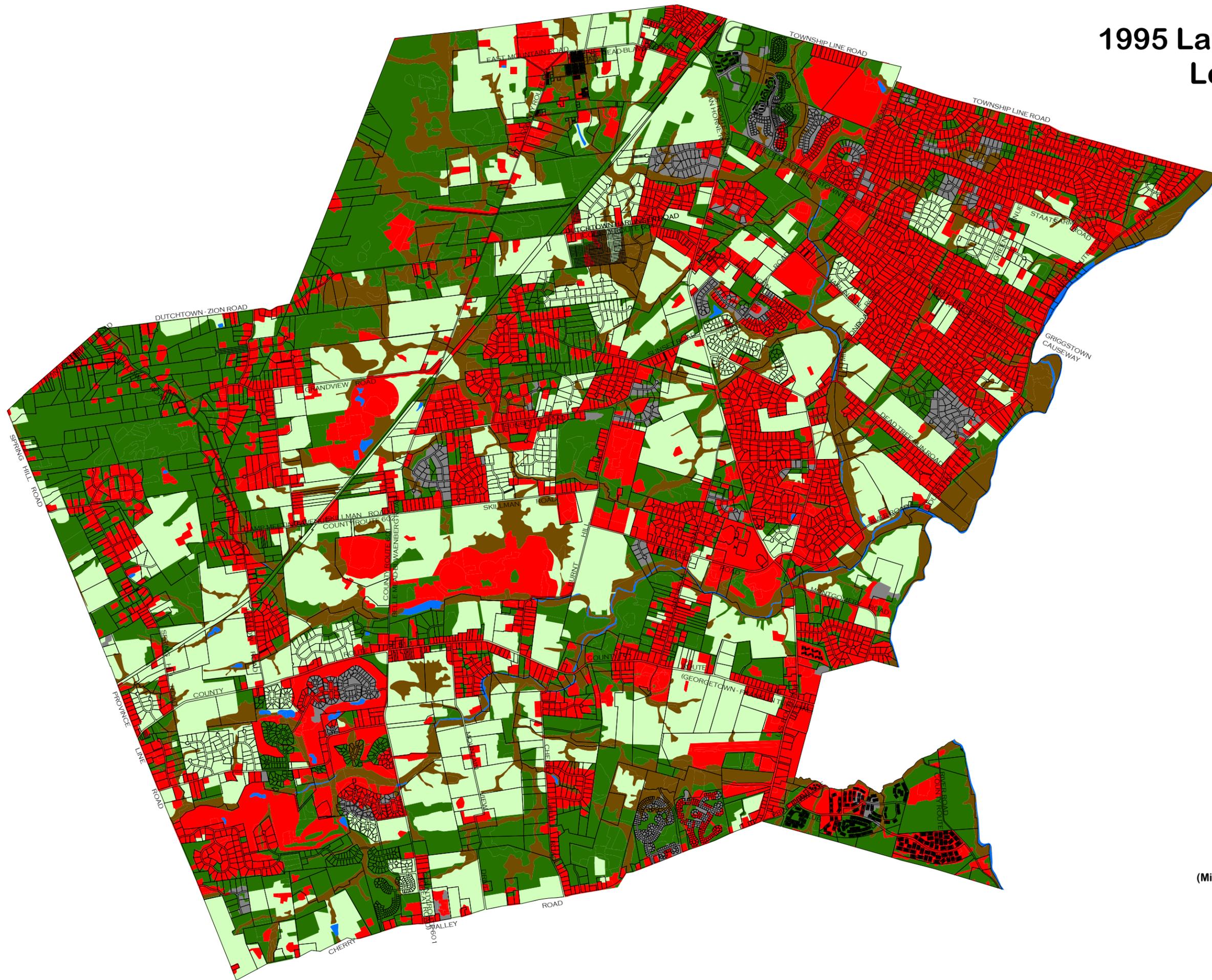


Figure 1

1995 Land Use/Land Cover Level I Classification

Township of Montgomery
Somerset County, NJ

April 2004



This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

Legend

- Agriculture
- Barren Land
- Forest
- Urban
- Water
- Wetlands

Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 1995 Land Use/Land Cover Edition 1.3 - WMA 10
 (Millstone Watershed Management Area), Originator -
 NJDEP, OIRM, BGIA, Source Scale 1:12,000.

BANISCH
 ASSOCIATES, INC.
Planning and Design

Figure 2

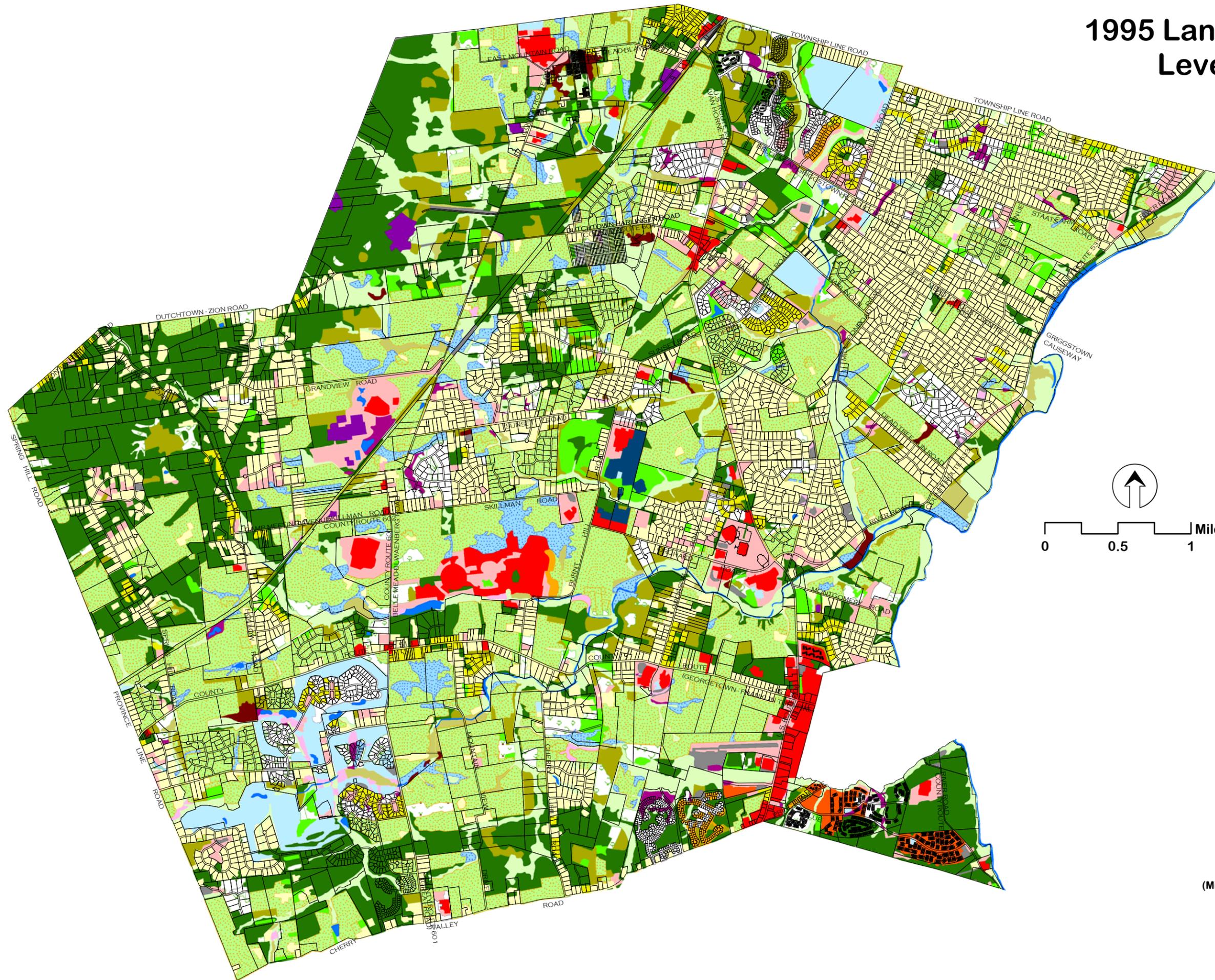
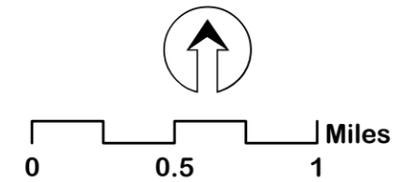
1995 Land Use/Land Cover Level III Classification

Township of Montgomery
Somerset County, NJ

April 2004

Legend

- Agricultural 
- Brush Covered Field 
- Agricultural Wetlands 
- Barren Land 
- Athletic Fields 
- Recreational Land 
- Commercial 
- Industrial 
- Rural Residential 
- Low Density Residential 
- Medium Density Residential 
- High Density Residential 
- Other Urban 
- Coniferous Forest 
- Deciduous Forest 
- Mixed Forest 
- Plantation 
- Coniferous Wooded Wetlands 
- Deciduous Wooded Wetlands 
- Mixed Wooded Wetlands 
- Herbaceous Wetlands 
- Disturbed Wetlands 
- Managed Wetlands 
- Transportation and Utilities 
- Water 



This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 1995 Land Use/Land Cover Edition 1.3 - WMA 10
 (Millstone Watershed Management Area), Originator -
 NJDEP, OIRM, BGIA, Source Scale 1:12,000.

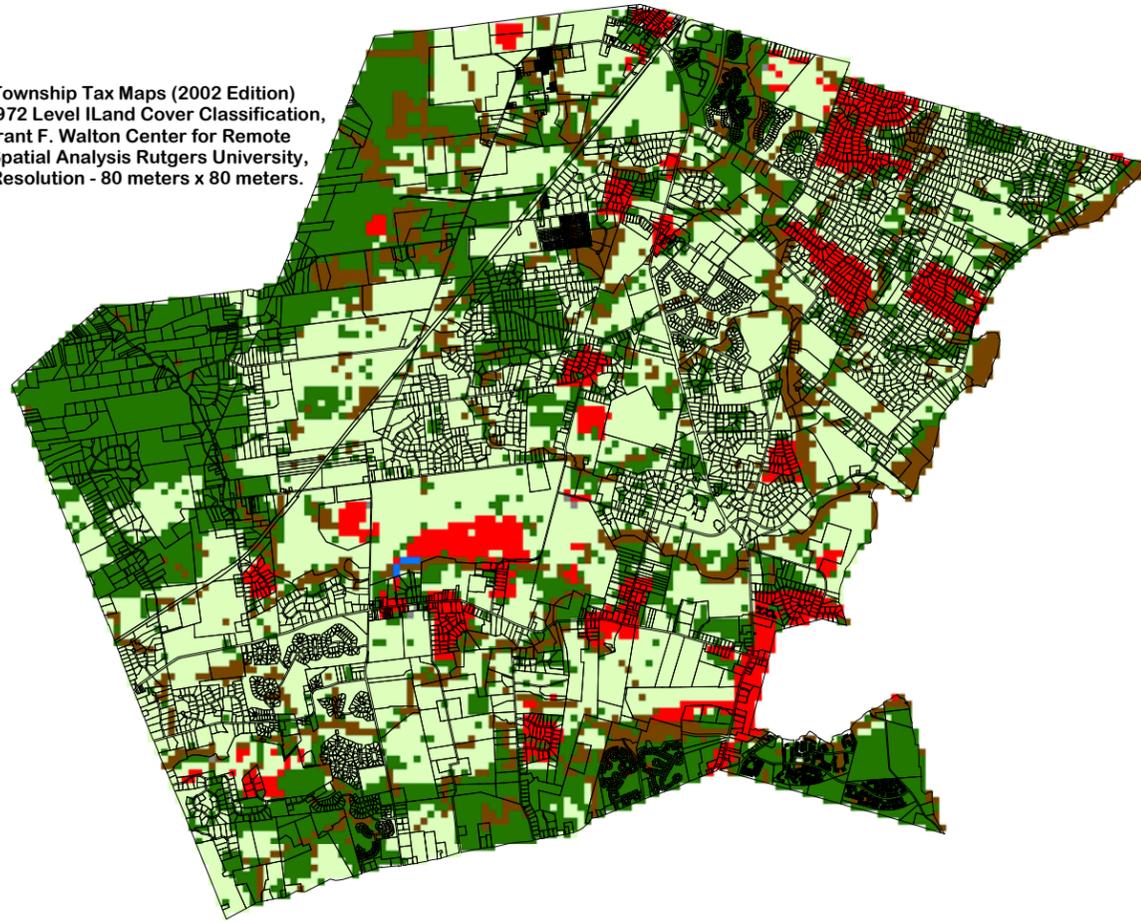
Land Use/Land Cover Comparison 1972, 1986, and 1995

Township of Montgomery
Somerset County, NJ

April 2004

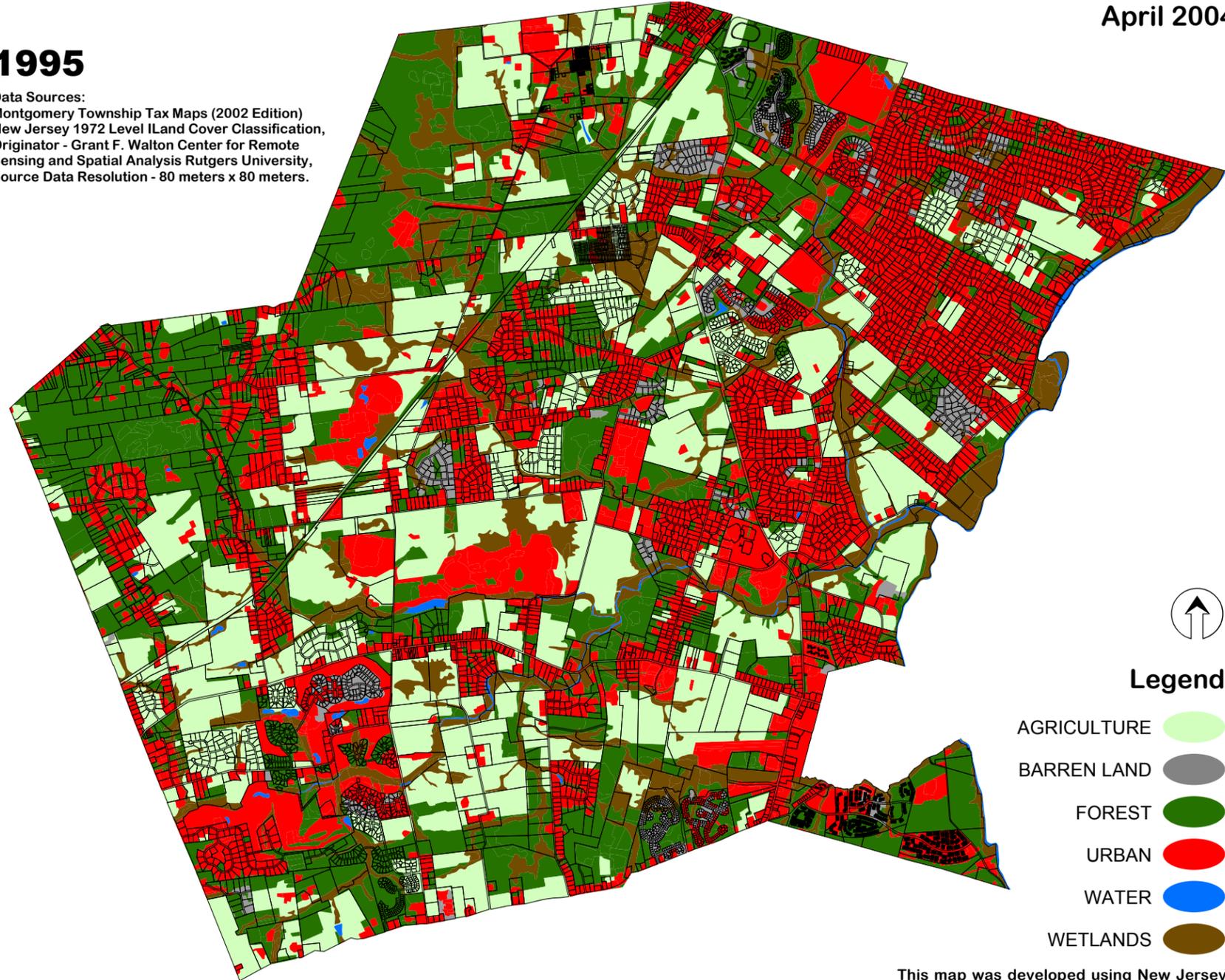
1972

Data Sources:
Montgomery Township Tax Maps (2002 Edition)
New Jersey 1972 Level I Land Cover Classification,
Originator - Grant F. Walton Center for Remote
Sensing and Spatial Analysis Rutgers University,
Source Data Resolution - 80 meters x 80 meters.



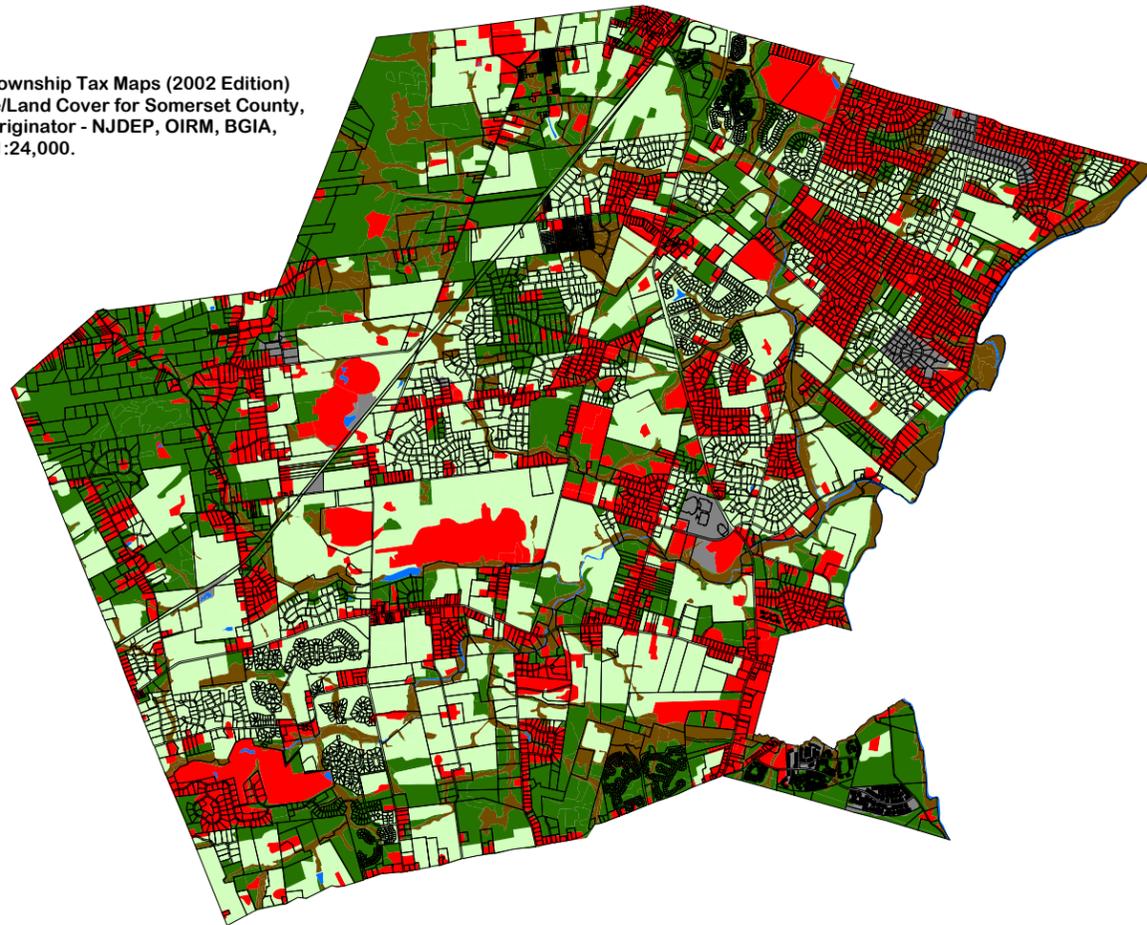
1995

Data Sources:
Montgomery Township Tax Maps (2002 Edition)
New Jersey 1972 Level I Land Cover Classification,
Originator - Grant F. Walton Center for Remote
Sensing and Spatial Analysis Rutgers University,
Source Data Resolution - 80 meters x 80 meters.



1986

Data Sources:
Montgomery Township Tax Maps (2002 Edition)
1986 Land Use/Land Cover for Somerset County,
New Jersey, Originator - NJDEP, OIRM, BGIA,
Source Scale 1:24,000.



Legend

- AGRICULTURE 
- BARREN LAND 
- FOREST 
- URBAN 
- WATER 
- WETLANDS 

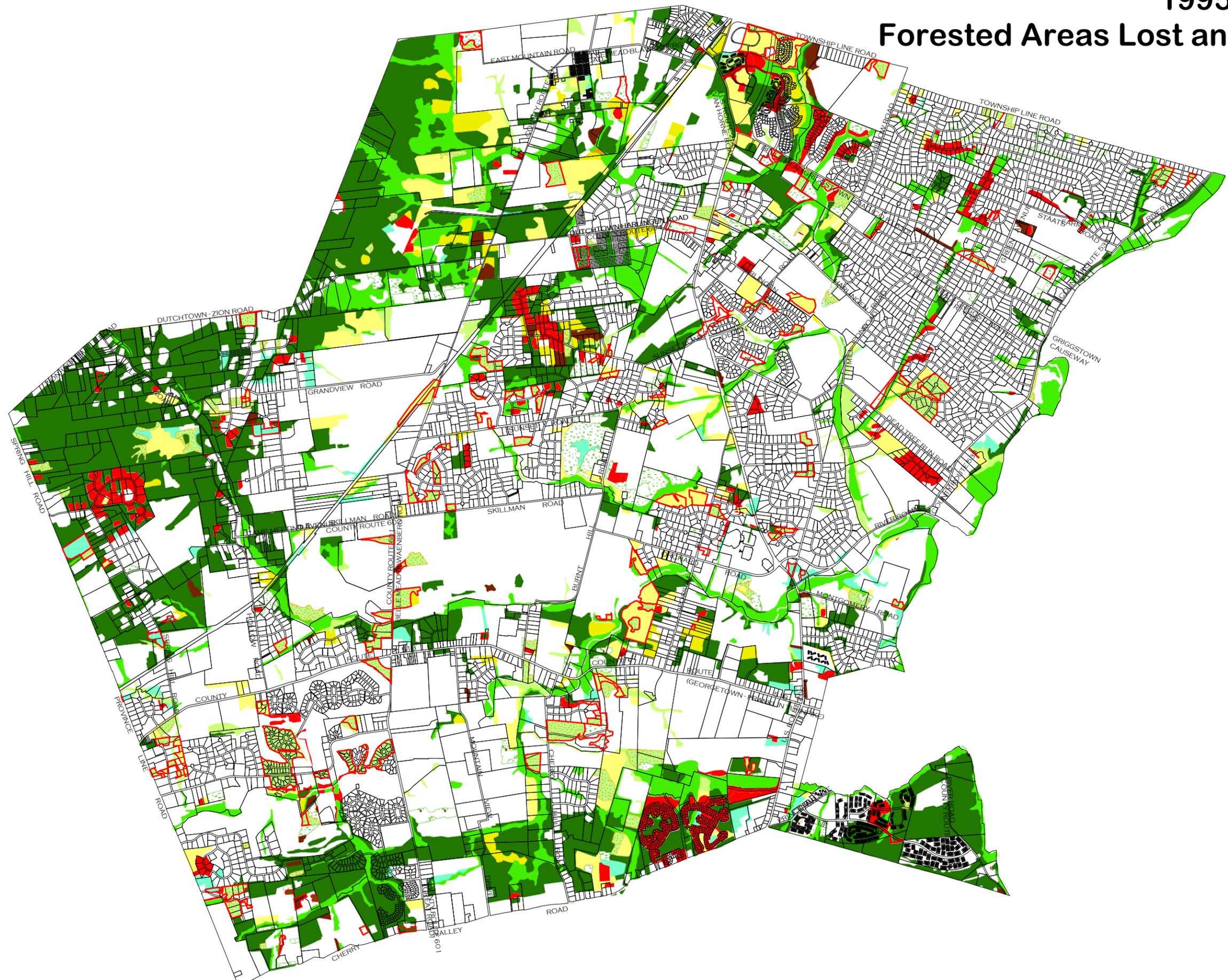
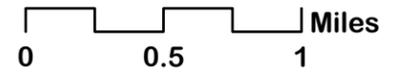
This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

Figure 4

1995 Forested Areas and Forested Areas Lost and Gained Since 1986

Township of Montgomery
Somerset County, NJ

April 2004



Legend

- Brush Covered Field
- Coniferous Brush/Shrubland
- Coniferous Forest
- Coniferous Scrub/Shrub Wetlands
- Coniferous Wooded Wetlands
- Deciduous Brush/Shrubland
- Deciduous Forest
- Deciduous Scrub/Shrub Wetlands
- Deciduous Wooded Wetlands
- Mixed Brush/Shrubland
- Mixed Forest
- Plantation
- Forest Lost Since 1986
- Forest Gained Since 1986

This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

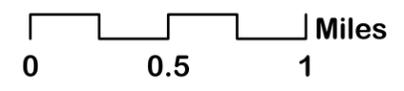
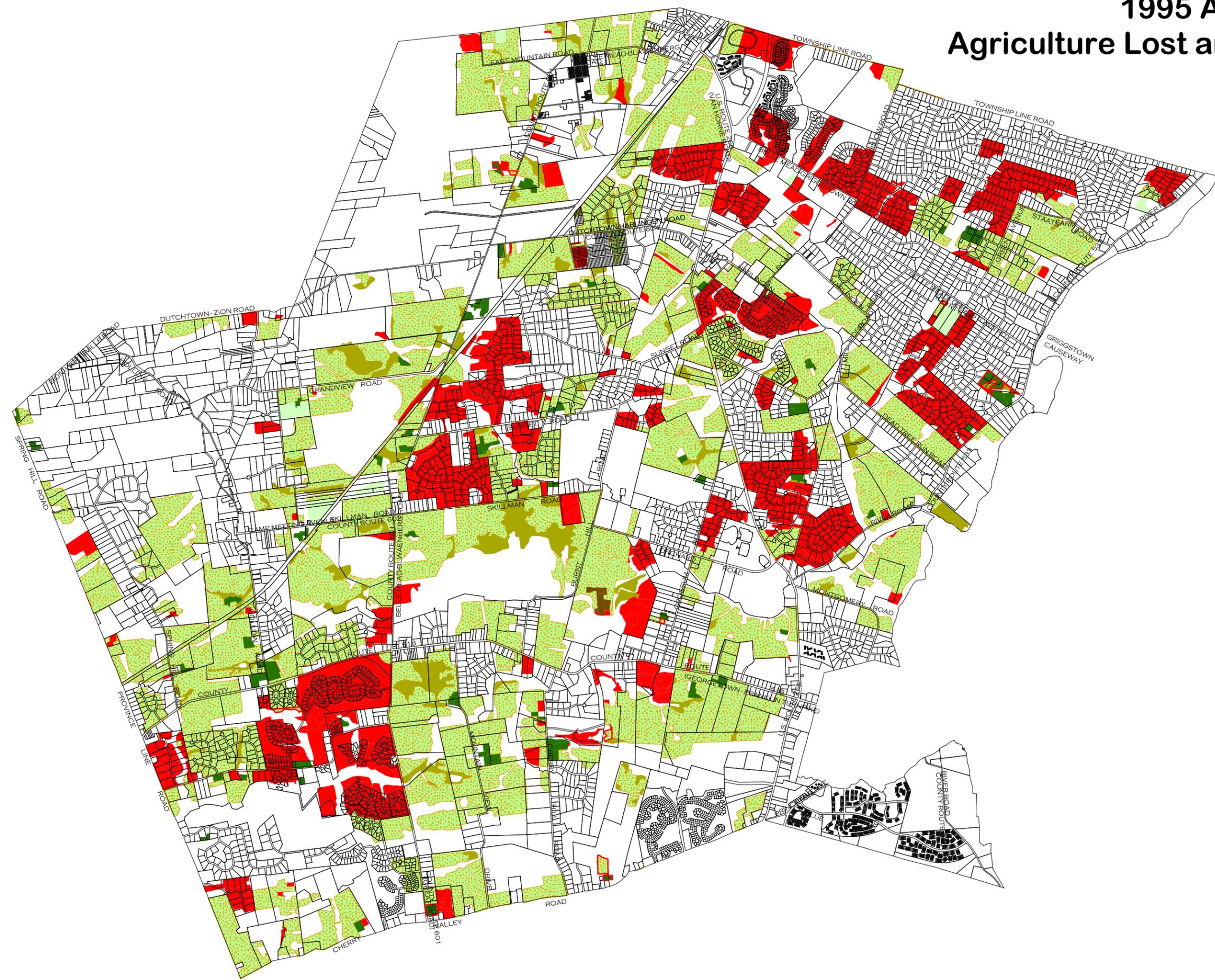
Data Sources:
Montgomery Township Tax Maps (2002 Edition)
1995 Land Use/Land Cover Edition 1.3 - WMA 10
(Millstone Watershed Management Area), Originator -
NJDEP, OIRM, BGIA, Source Scale 1:12,000.

Figure 5

1995 Agricultural Areas and Agriculture Lost and Gained Since 1986

Township of Montgomery
Somerset County, NJ

April 2004



Legend

- Agricultural Wetlands 
- Confined Feeding Operations 
- Crop and Pastureland 
- Orchards, Vineyards and Nurseries 
- Other Agriculture 
- Agriculture Lost Since 1986 
- Agriculture Gained Since 1986 

This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

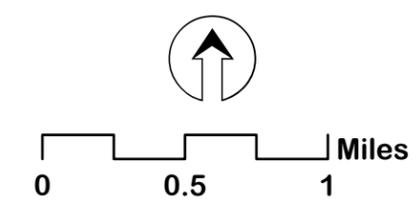
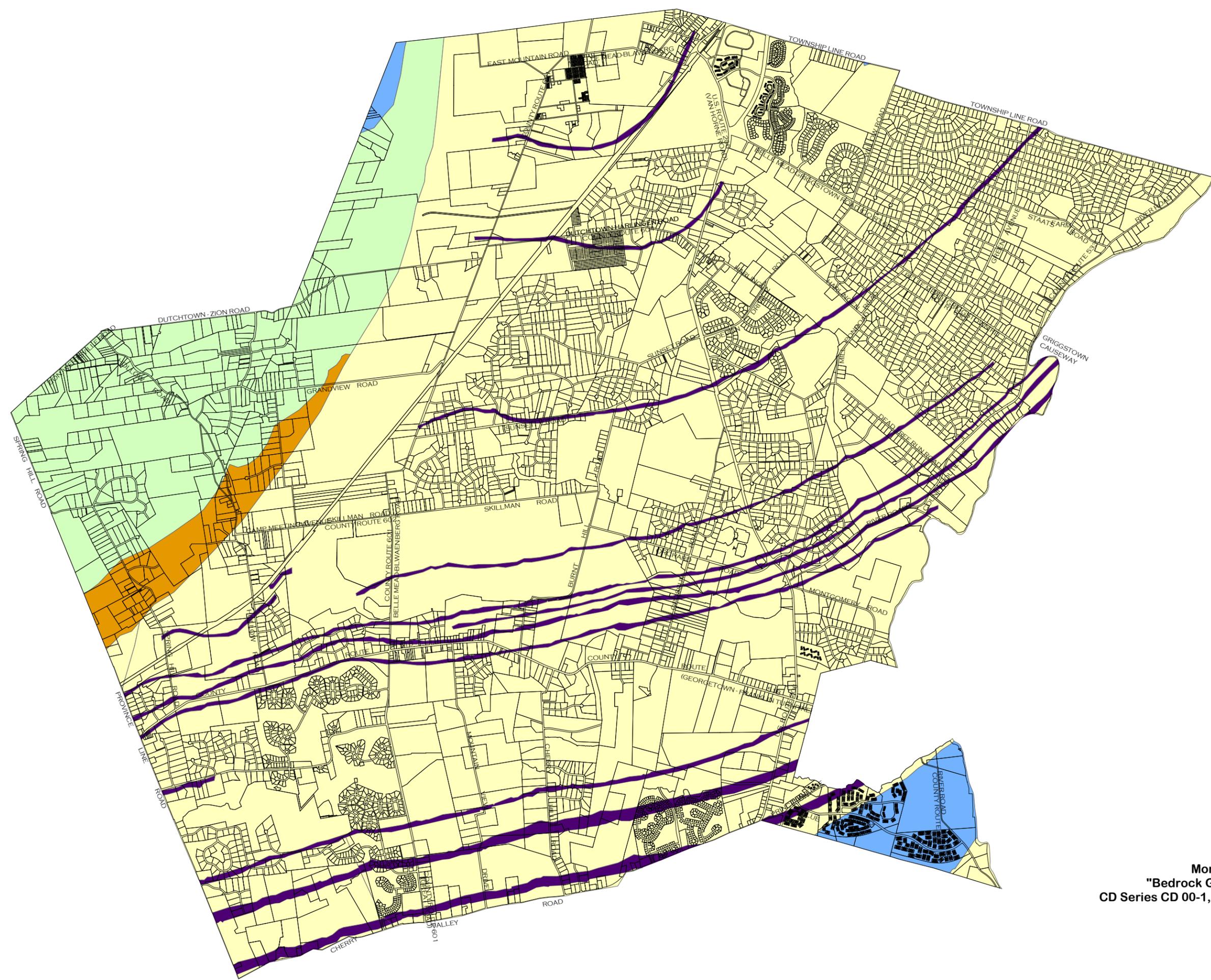
Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 1995 Land Use/Land Cover Edition 1.3 - WMA 10
 (Millstone Watershed Management Area), Originator -
 NJDEP, OIRM, BGIA, Source Scale 1:12,000.

Figure 6

Bedrock Geology

Township of Montgomery
Somerset County, NJ

April 2004



Legend

- Jurassic Diabase ●
- Lockatong Formation ●
- Passaic Formation ●
- Passaic Formation Gray bed ●
- Stockton Formation ●

This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 "Bedrock Geology and Topographic Base Maps of NJ",
 CD Series CD 00-1, Originator - New Jersey Geological Survey,
 Source Data Scale - 1:100,000

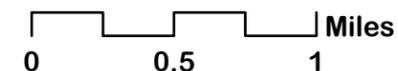
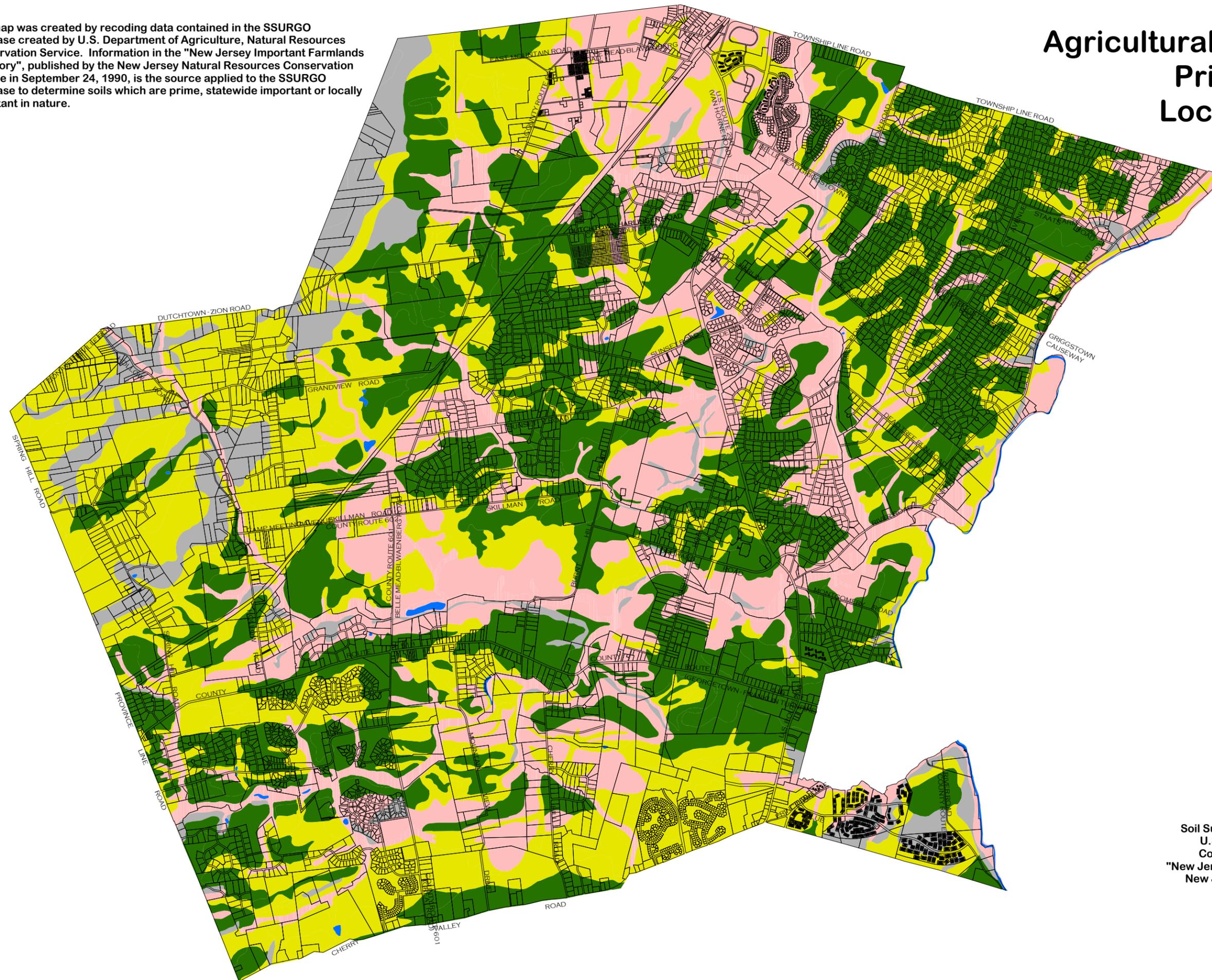
Figure 7

Agriculturally Productive Soils Prime, Statewide and Locally Important Soils

Township of Montgomery
Somerset County, NJ

April 2004

Note:
This map was created by recoding data contained in the SSURGO database created by U.S. Department of Agriculture, Natural Resources Conservation Service. Information in the "New Jersey Important Farmlands Inventory", published by the New Jersey Natural Resources Conservation Service in September 24, 1990, is the source applied to the SSURGO database to determine soils which are prime, statewide important or locally important in nature.



Legend

No Rating 

Prime Soil 

Statewide Important Soil 

Locally Important Soil 

Water 

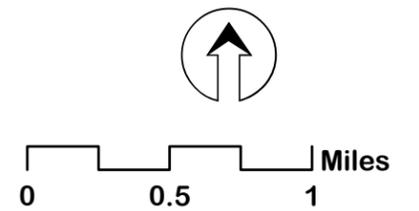
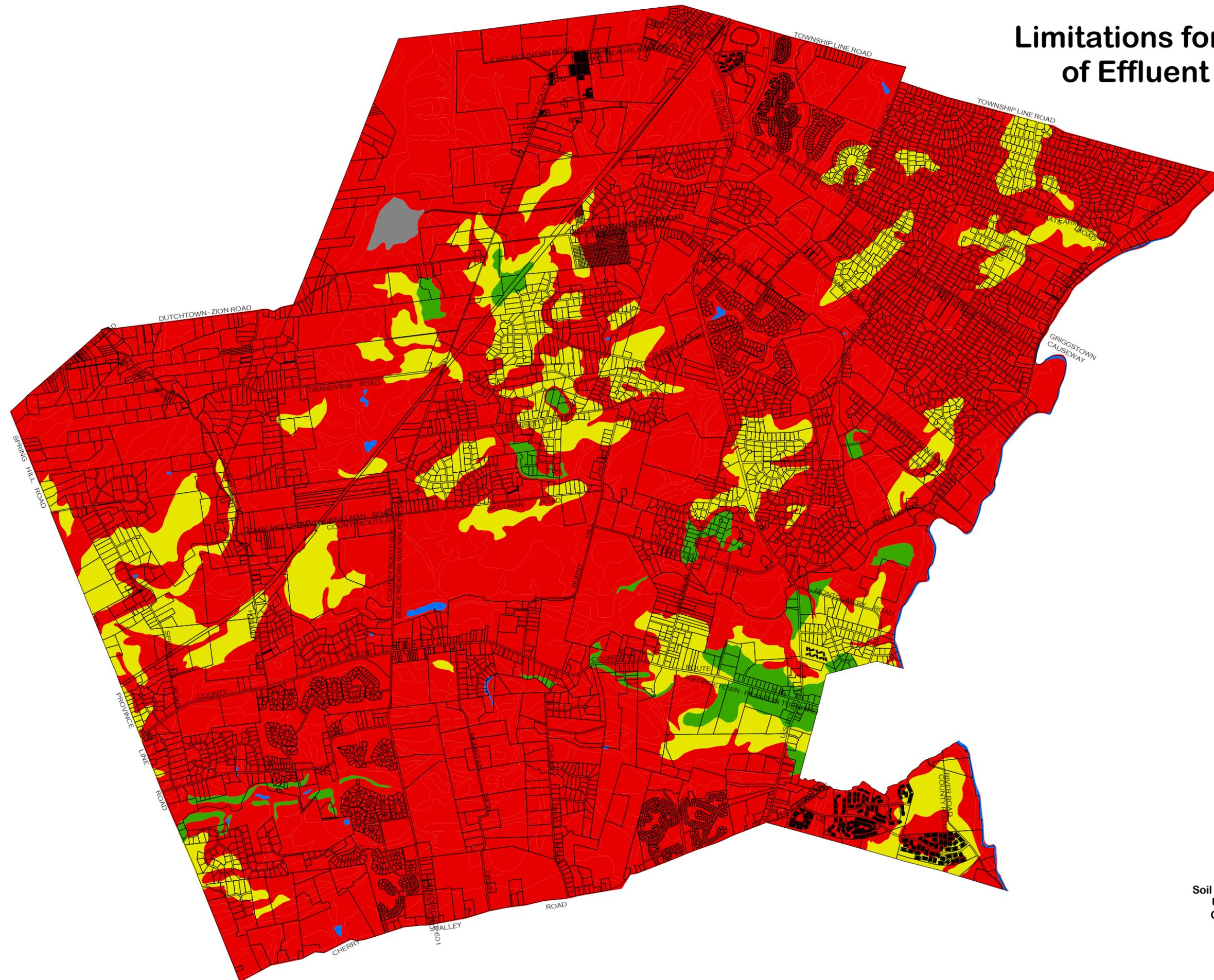
Data Sources:
Montgomery Township Tax Maps (2002 Edition)
Soil Survey Database for Somerset County, Originator -
U.S. Department of Agriculture, Natural Resources
Conservation Service, Source Data Scale - 1:15,840
"New Jersey Important Farmlands Inventory", Originator -
New Jersey Natural Resources Conservation Service,
September 24, 1990.

Figure 8

Limitations for On-Site Disposal of Effluent Via Septic System

Township of Montgomery
Somerset County, NJ

April 2004



Legend

- Slight Limitations 
- Moderate Limitations 
- Severe Limitations 
- Variable 
- Water 

Data Sources:
Montgomery Township Tax Maps (2002 Edition)
Soil Survey Database for Somerset County, Originator -
U.S. Department of Agriculture, Natural Resources
Conservation Service, Source Data Scale - 1:15,840

Figure 9

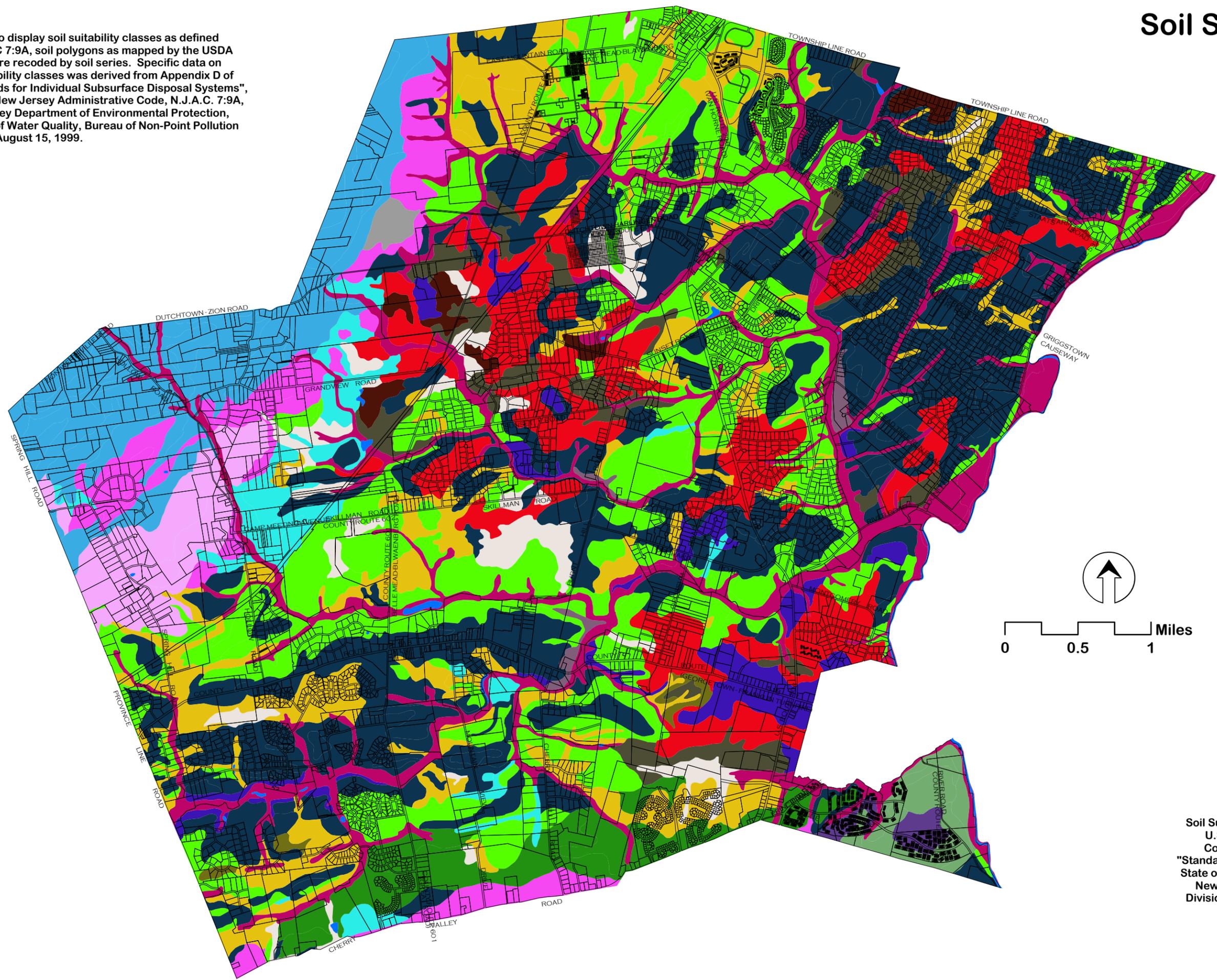
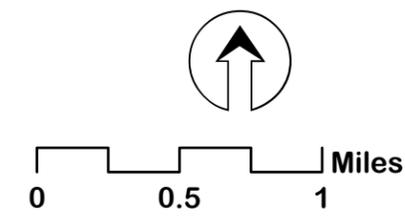
Soil Suitability Classes N.J.A.C 7:9A Township of Montgomery Somerset County, NJ

Note:
In order to display soil suitability classes as defined in N.J.A.C 7:9A, soil polygons as mapped by the USDA NRCS were recoded by soil series. Specific data on soil suitability classes was derived from Appendix D of "Standards for Individual Subsurface Disposal Systems", State of New Jersey Administrative Code, N.J.A.C. 7:9A, New Jersey Department of Environmental Protection, Division of Water Quality, Bureau of Non-Point Pollution Control, August 15, 1999.

April 2004

Legend

- I; IIWr; IISc; IIWrSc 
- IISr 
- IISc 
- IISc; I 
- IISc; IISr 
- IISc; IIISr 
- IIISrWp(IIHc) 
- IIISr 
- IIISrWp 
- IIISrWpWr 
- IIISrWp 
- IIISrWp(IISr) 
- IIISrWp; IIISrWp 
- IIISrWp; IIISrWr 
- IIISrWp; IIISrWp(IISc) 
- IIISrWp(IISc); IIISrWp(IISr) 
- IIISr, Wp(IIISc); IISr, Wp(IIISc) 
- IIISrWp(IISc); IIWpSrSc; IIWrSc 
- IIISrWp; IIISrWP(IISc); IIISrWp(IISr) 
- Disturbed Ground 
- Water 



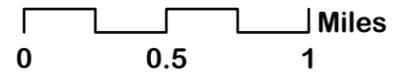
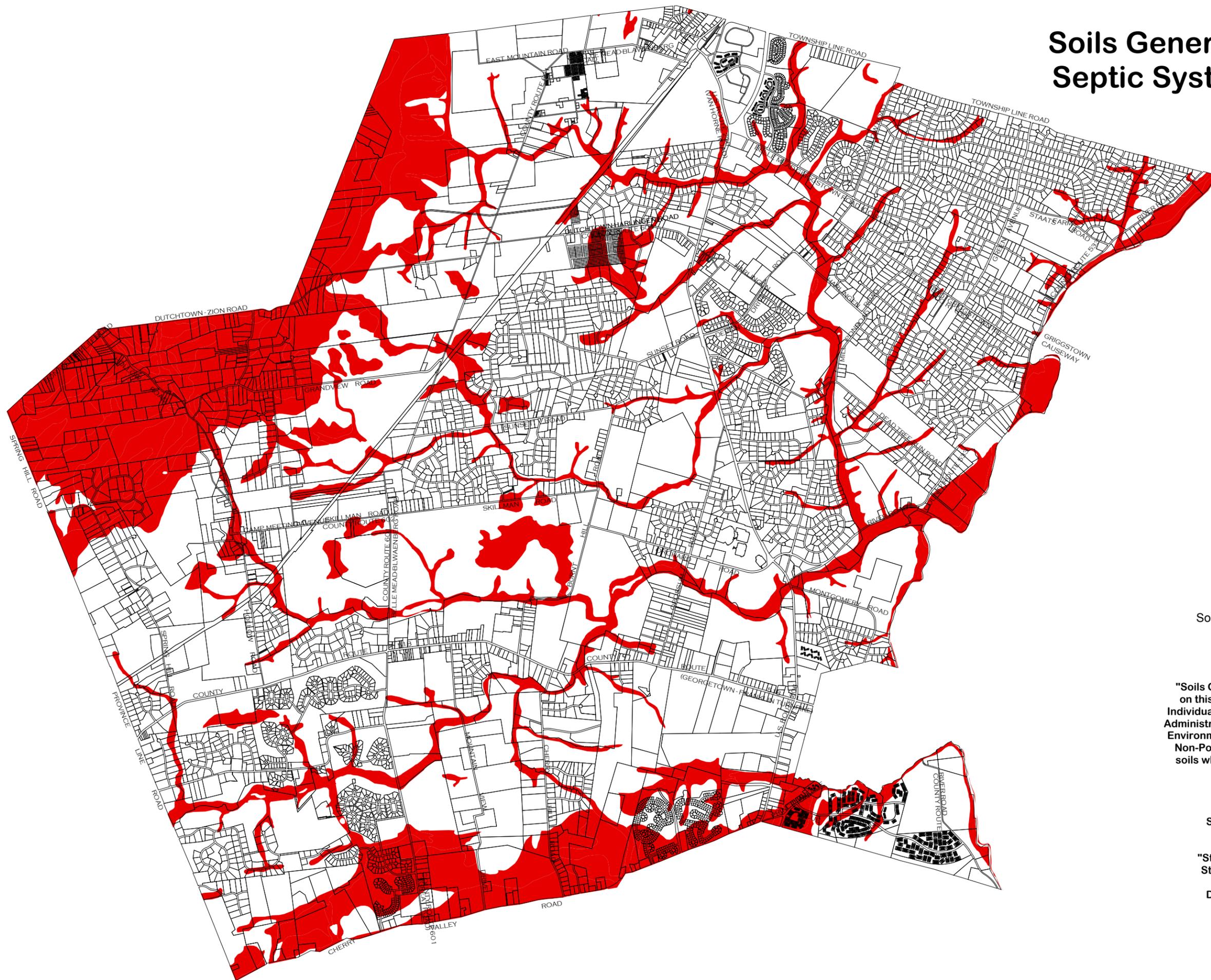
Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 Soil Survey Database for Somerset County, Originator -
 U.S. Department of Agriculture, Natural Resources
 Conservation Service, Source Data Scale - 1:15,840
 "Standards for Individual Subsurface Disposal Systems",
 State of New Jersey Administrative Code, N.J.A.C. 7:9A,
 New Jersey Department of Environmental Protection,
 Division of Water Quality, Bureau of Non-Point Pollution
 Control, August 15, 1999.

Figure 10

Soils Generally Unsuitable for Septic Systems - N.J.A.C 7:9A

Township of Montgomery
Somerset County, NJ

April 2004



Legend

Soils Generally Unsuitable for Septic Systems ●

Note:
 "Soils Generally Unsuitable for Septic Systems", as depicted on this map, were derived from Table 10.1 of "Standards for Individual Subsurface Disposal Systems", State of New Jersey Administrative Code, N.J.A.C. 7:9A, New Jersey Department of Environmental Protection, Division of Water Quality, Bureau of Non-Point Pollution Control, August 15, 1999. Table 10.1 lists soils which the Department classifies as unsuitable for septic system installation based on soil suitability class.

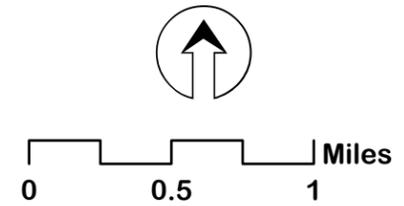
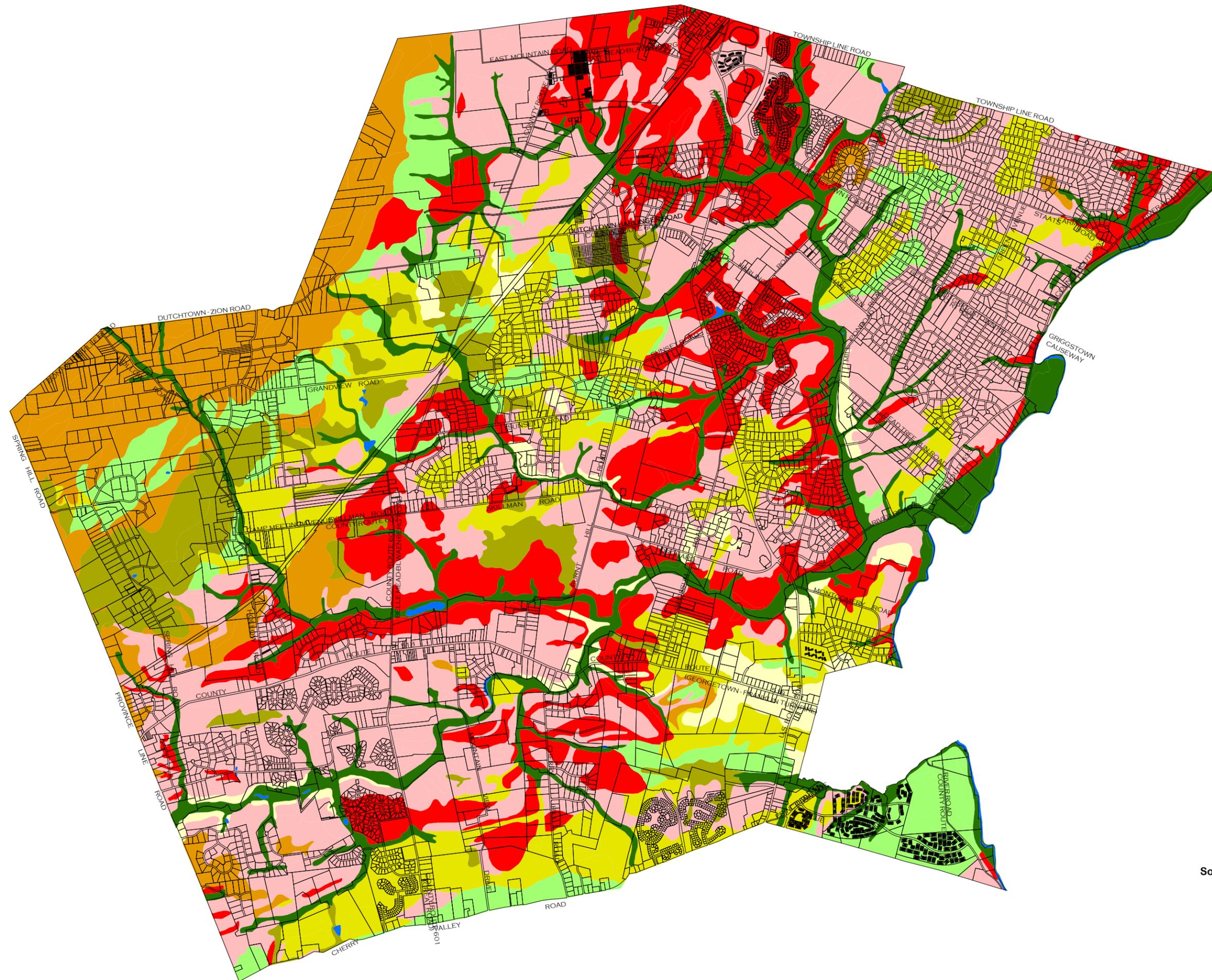
Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 Soil Survey Database for Somerset County, Originator - U.S. Department of Agriculture, Natural Resources Conservation Service, Source Data Scale - 1:15,840
 "Standards for Individual Subsurface Disposal Systems", State of New Jersey Administrative Code, N.J.A.C. 7:9A, New Jersey Department of Environmental Protection, Division of Water Quality, Bureau of Non-Point Pollution Control, August 15, 1999.

Figure 11

Depth to Bedrock

Township of Montgomery
Somerset County, NJ

April 2004



Legend

- Less than 20 Inches ●
- 20 to 40 Inches ●
- 40 Inches ●
- 40 to 60 Inches ●
- 40 to 72 inches ●
- 42 to 60 inches ●
- 48 Inches or Greater ●
- 72 Inches or Greater ●
- Water ●

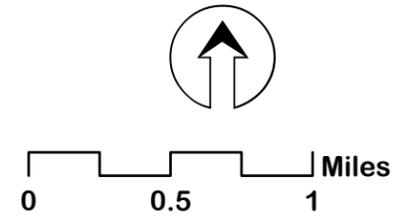
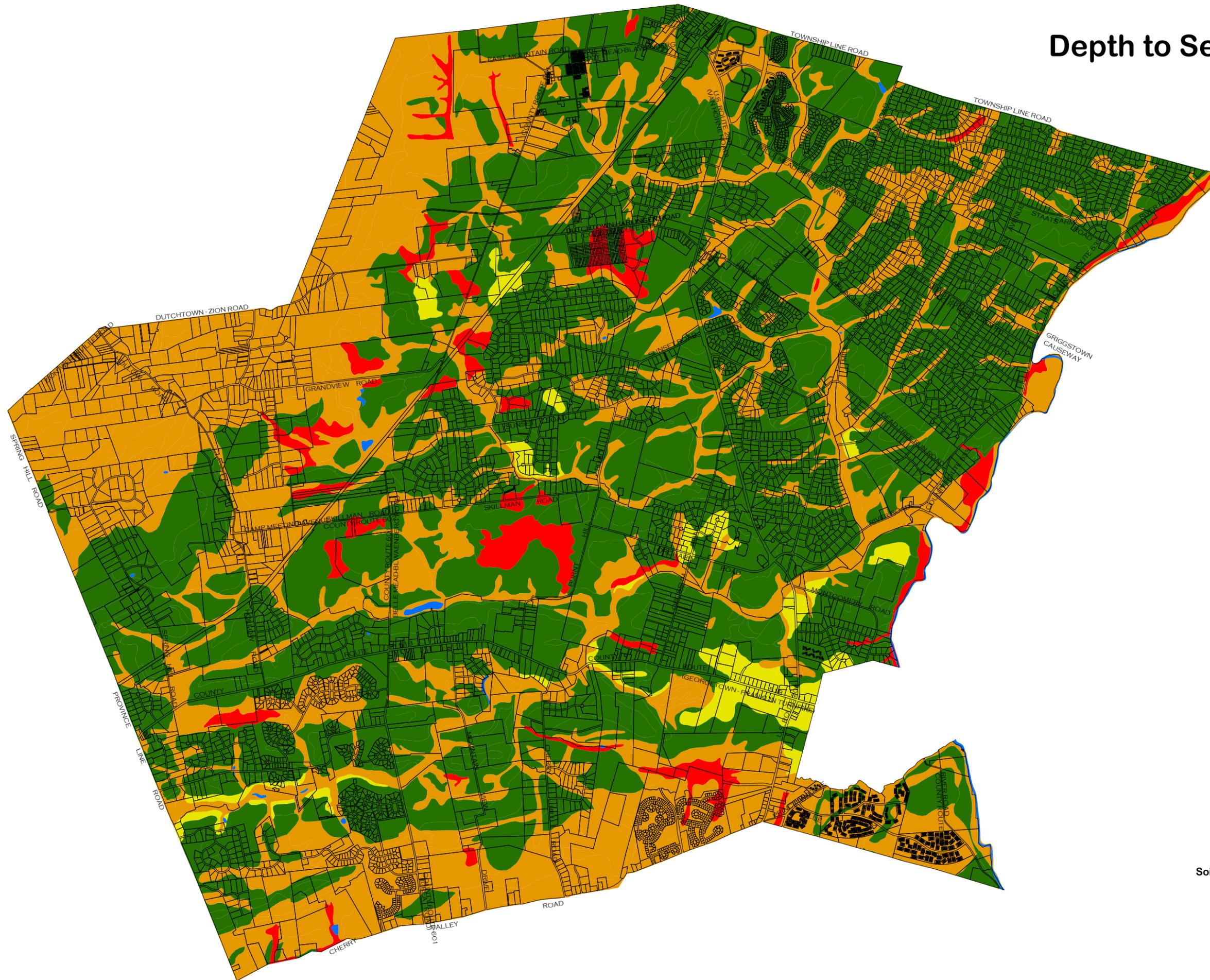
Data Sources:
Montgomery Township Tax Maps (2002 Edition)
Soil Survey Database for Somerset County, Originator -
U.S. Department of Agriculture, Natural Resources
Conservation Service, Source Data Scale - 1:15,840

Figure 12

Depth to Seasonal High Water

Township of Montgomery
Somerset County, NJ

April 2004



Legend

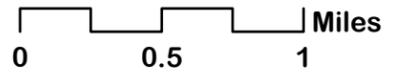
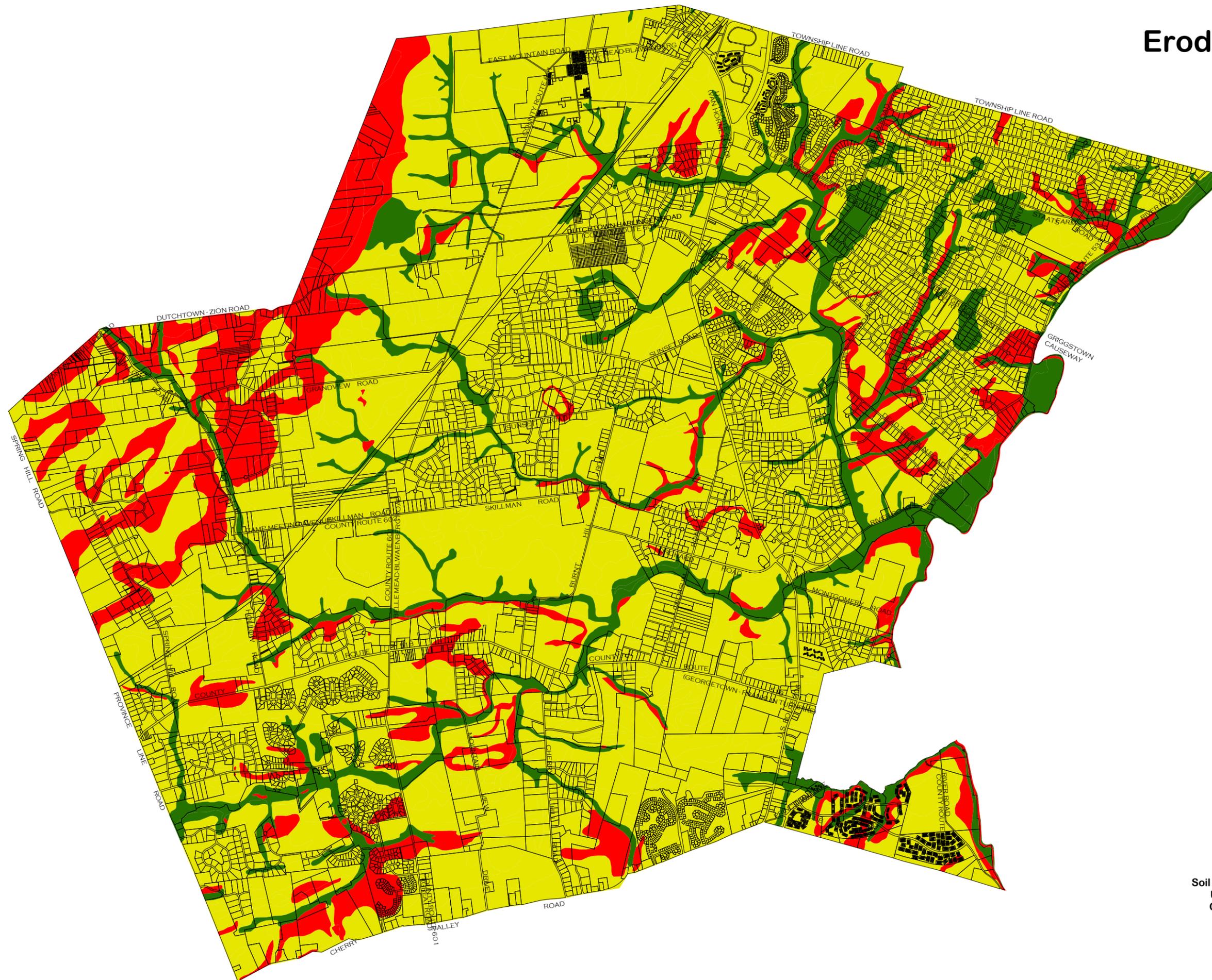
- Less than 1 Foot
- 0.5 to 3 Feet
- 4 Feet
- 6 Feet
- Water

Data Sources:
Montgomery Township Tax Maps (2002 Edition)
Soil Survey Database for Somerset County, Originator -
U.S. Department of Agriculture, Natural Resources
Conservation Service, Source Data Scale - 1:15,840

Erodible Lands Classes

Township of Montgomery
Somerset County, NJ

April 2004



Legend

- Highly Erodible Land Class ■
- Potentially Highly Erodible ■
- Not Highly Erodible ■

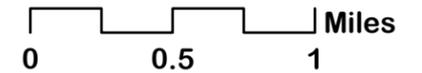
Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 Soil Survey Database for Somerset County, Originator -
 U.S. Department of Agriculture, Natural Resources
 Conservation Service, Source Data Scale - 1:15,840

Figure 14

Surface Waters and Subwatersheds

Township of Montgomery
Somerset County, NJ

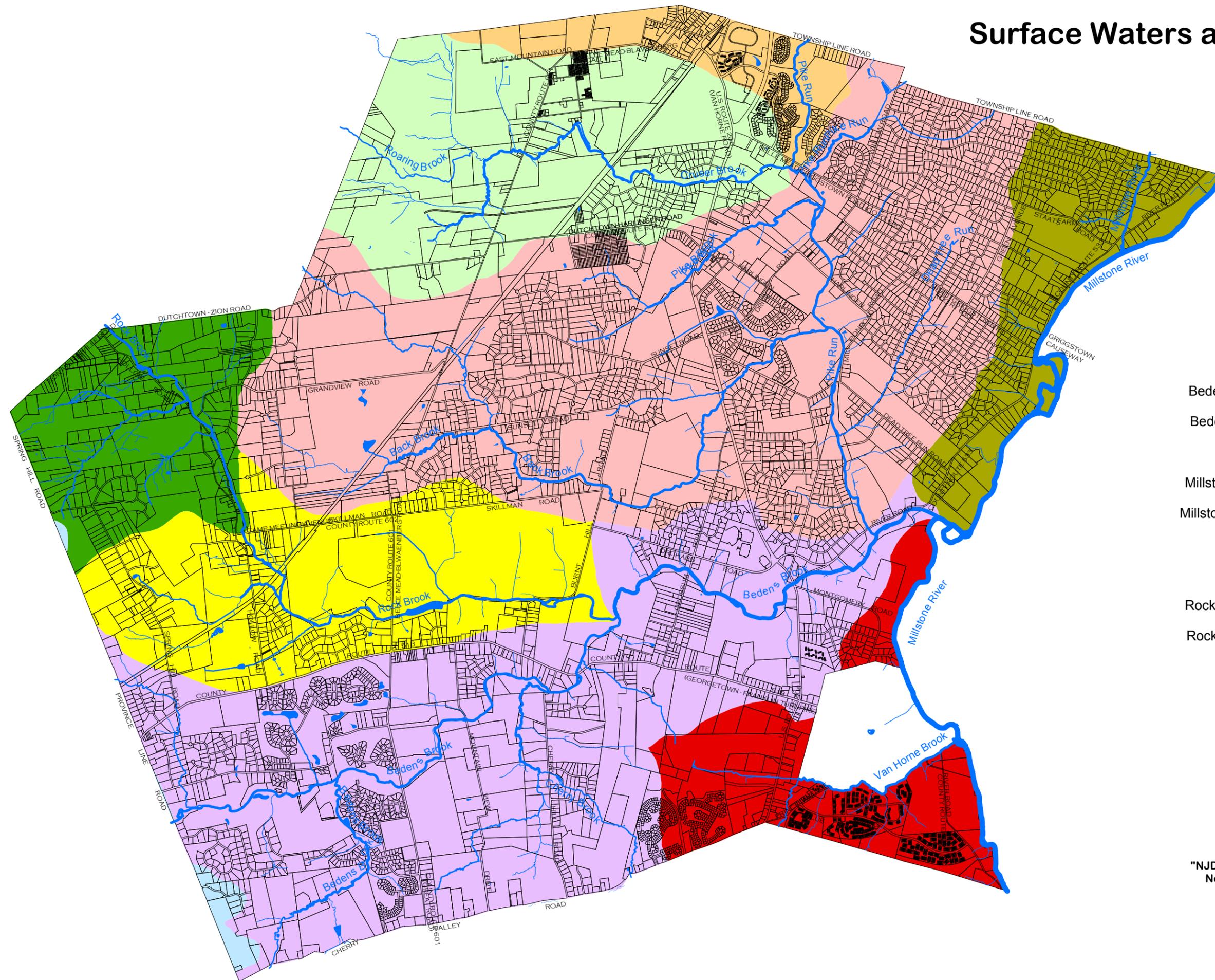
April 2004



This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

Legend

- Beden Brook (above Province Line Rd)
- Beden Brook (below Province Line Rd)
- Cruser Brook / Roaring Brook
- Millstone R (Beden Bk to Heathcote Bk)
- Millstone R (Blackwells Mills to Beden Bk)
- Pike Run (above Cruser Brook)
- Pike Run (below Cruser Brook)
- Rock Brook (above Camp Meeting Ave)
- Rock Brook (below Camp Meeting Ave)
- Lakes, Ponds and Streams
- 1st order Stream
- 2nd order Stream
- 3rd order Stream
- 4th order Stream
- 5th order Stream
- 6th order Stream

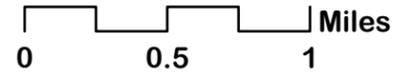
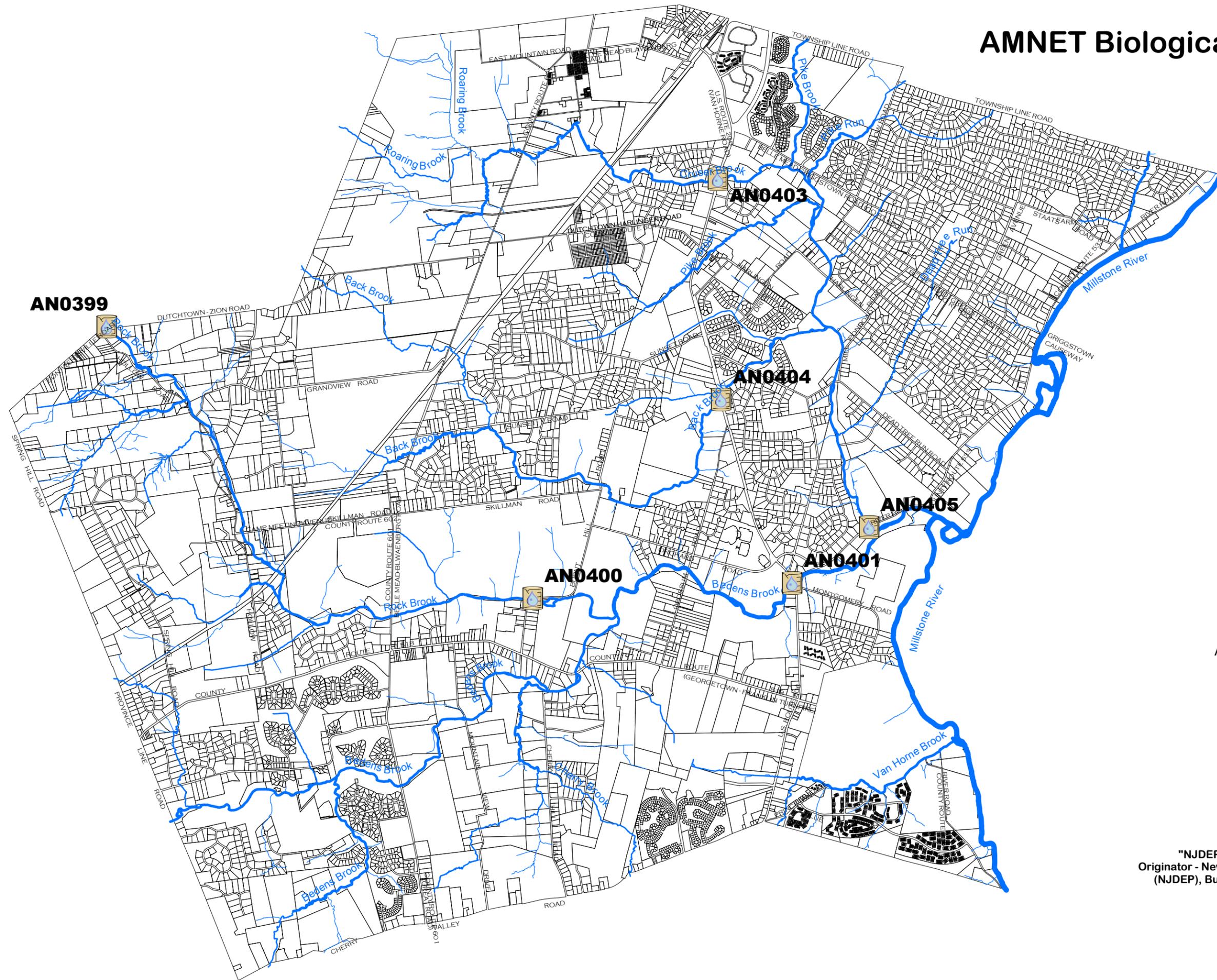


Data Sources:
Montgomery Township Tax Maps (2002 Edition)
"NJDEP 14 Digit Hydrologic Unit Code delineations for New Jersey", Originator - NJDEP and NJGS, Source
Data Scale - 1:24,000.

AMNET Biological Monitoring Sites

Township of Montgomery
Somerset County, NJ

April 2004



This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

Legend

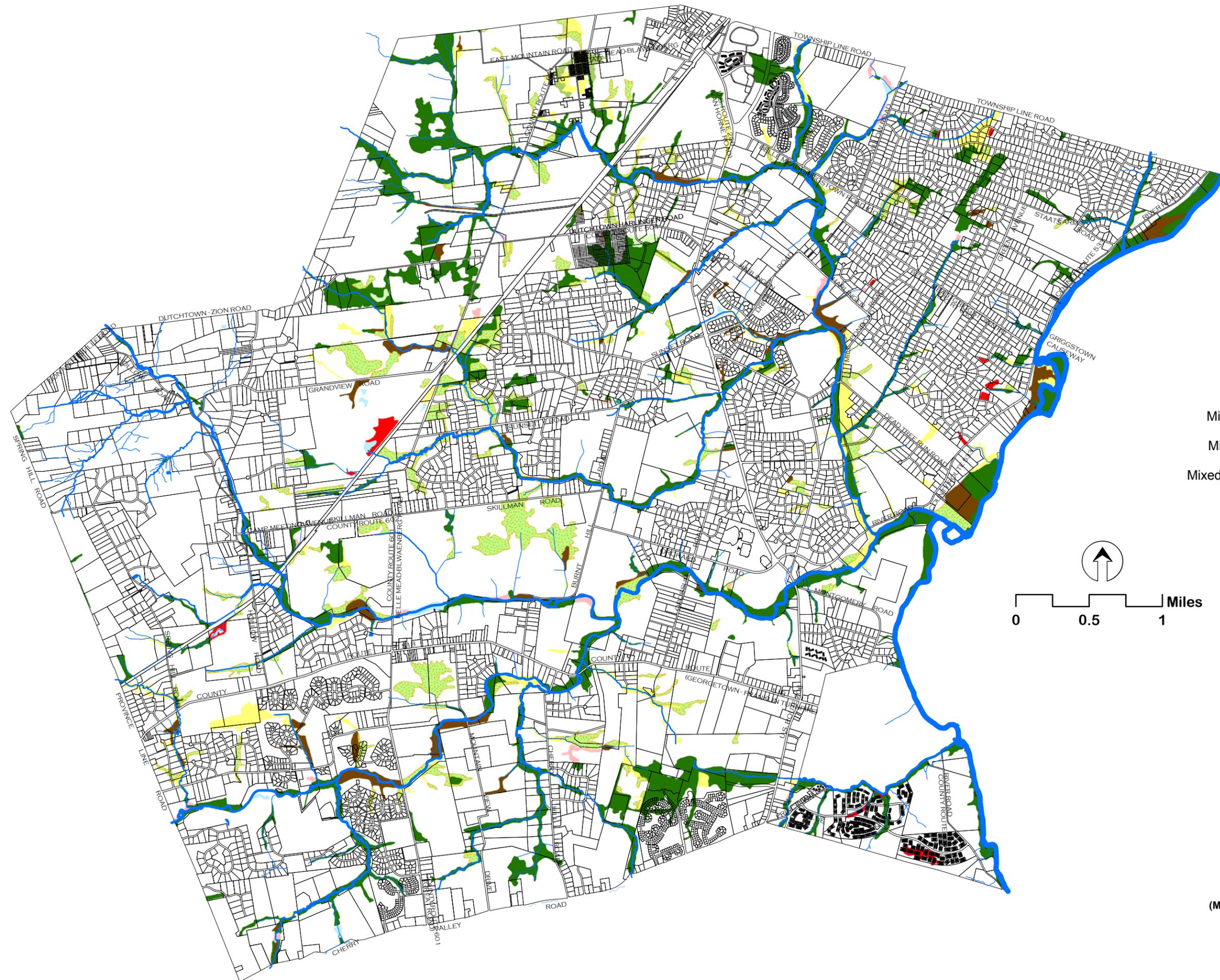
- AMNET Biological Monitoring Point 
- 1st order Stream 
- 2nd order Stream 
- 3rd order Stream 
- 4th order Stream 
- 5th order Stream 
- 6th order Stream 

Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 "NJDEP Ambient Biomonitoring Network (AMNET) 2000",
 Originator - New Jersey Department of Environmental Protection (NJDEP), Bureau of Freshwater Biological Monitoring (BFBM),
 Source Data Scale - 1:24,000

Wetlands

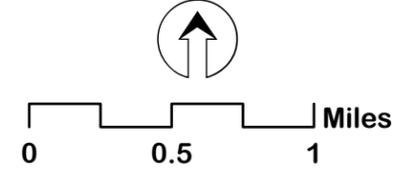
Township of Montgomery
Somerset County, NJ

April 2004



Legend

- Agricultural
- Coniferous Wooded
- Deciduous Scrub/Shrub
- Deciduous Wooded
- Herbaceous
- Mixed Forested - Coniferous Dominant
- Mixed Forested - Deciduous Dominant
- Mixed Scrub/Shrub - Deciduous Dominant
- Managed
- Disturbed
- Artificial Lakes
- Natural Lakes
- Streams and Canals
- 1st order Stream
- 2nd order Stream
- 3rd order Stream
- 4th order Stream
- 5th order Stream
- 6th order Stream



This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

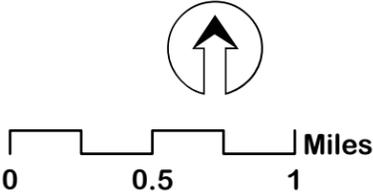
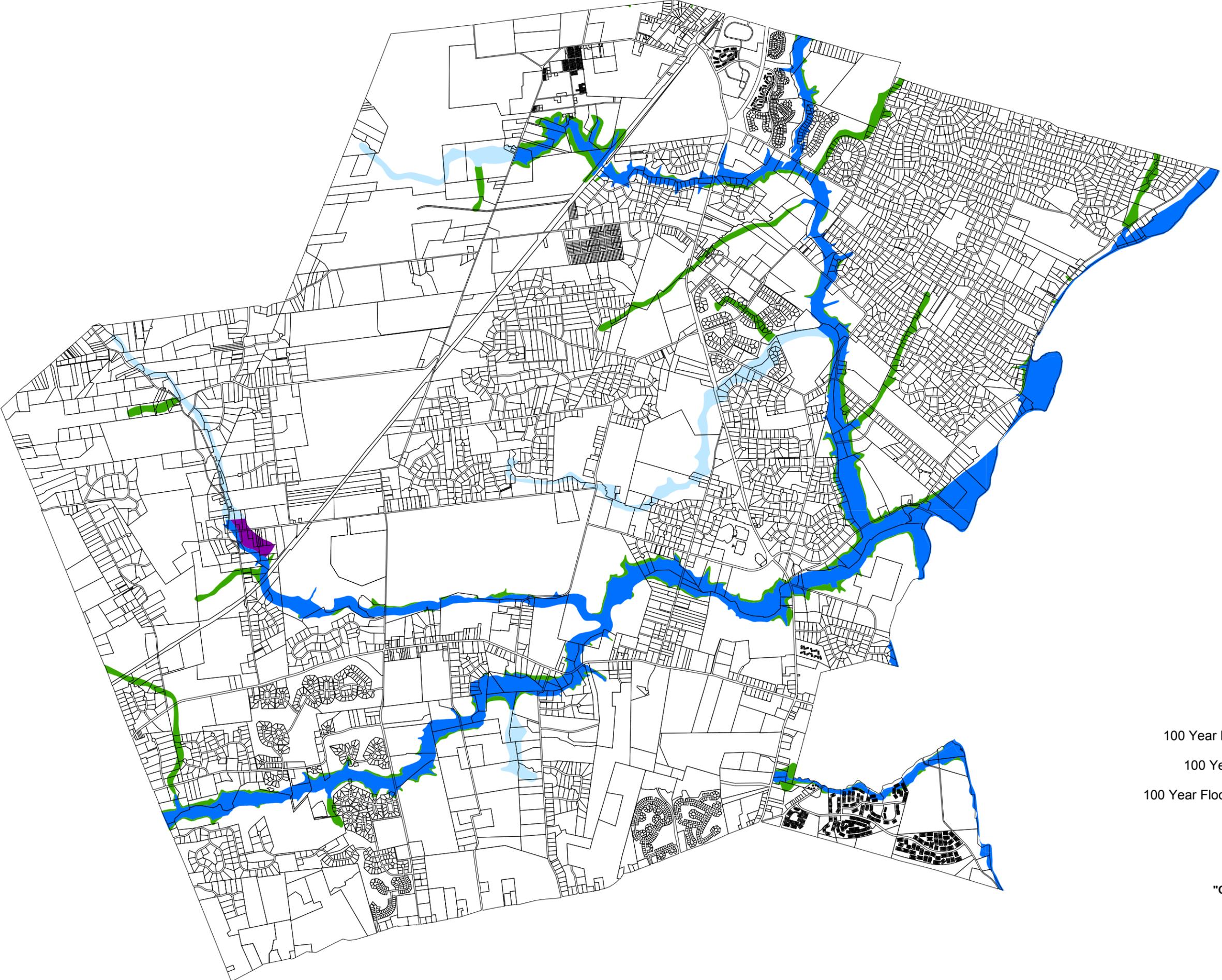
Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 1995 Land Use/Land Cover Edition 1.3 - WMA 10
 (Millstone Watershed Management Area), Originator -
 NJDEP, OIRM, BGIA, Source Scale 1:12,000.

Figure 17

FEMA Floodzones

Township of Montgomery
Somerset County, NJ

April 2004



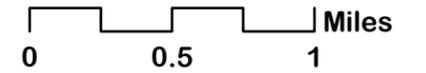
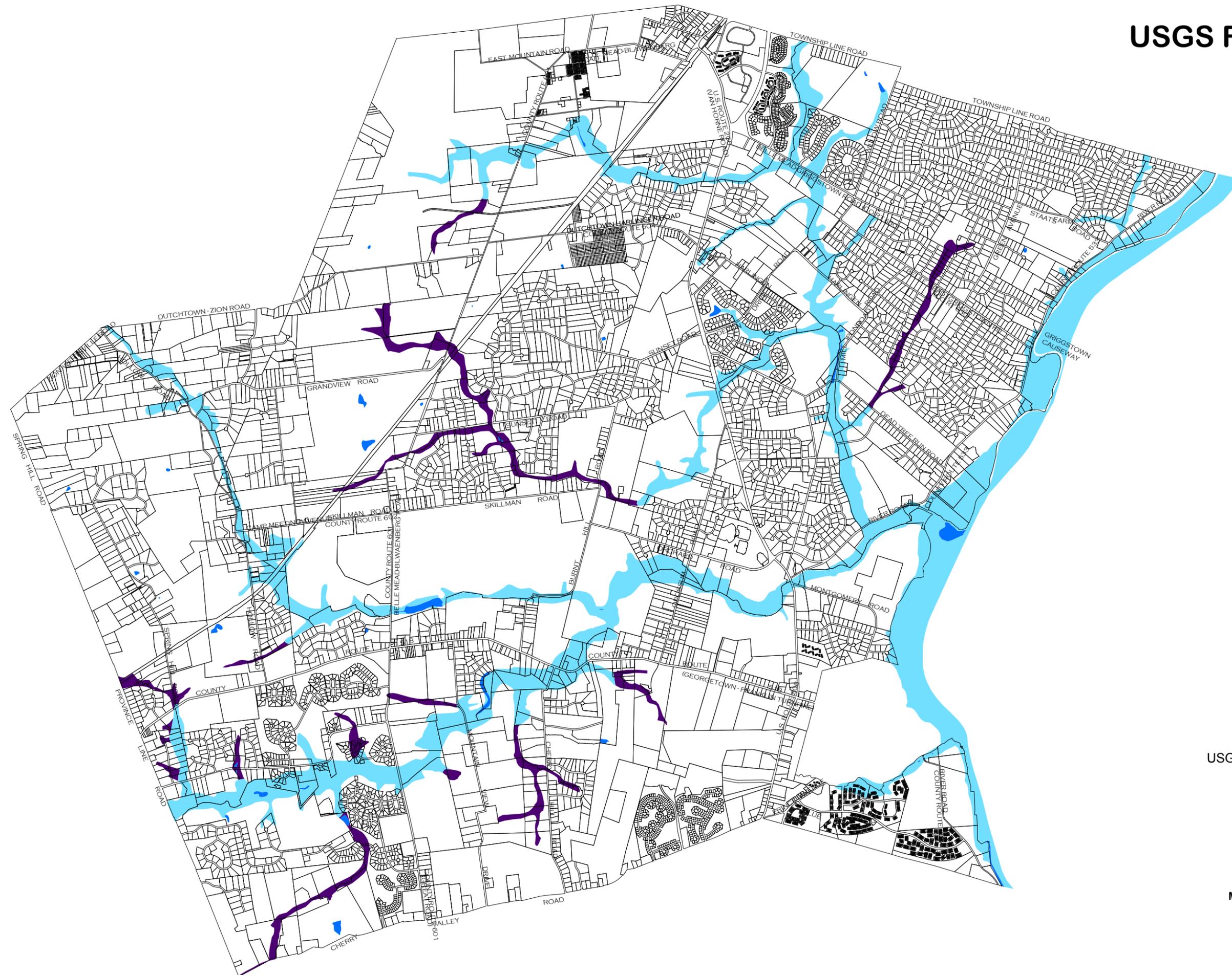
- Legend**
- 100 Year Floodplain - No BFE's Determined (light blue)
 - 100 Year Floodplain - BFE's Determined (dark blue)
 - 100 Year Floodplain - Average Depths 1-3 Feet (purple)
 - 500 Year Floodplain (green)

Data Sources:
Montgomery Township Tax Maps (2002 Edition)
"Q3 Digital Flood Data", Originator - FEMA, Source
Data Scale 1:24,000.

USGS Floodprone Areas

Township of Montgomery
Somerset County, NJ

April 2004



Legend

- USGS Documented Floodprone Area
- Undocumented Floodprone Area
- Water
- majorroadnames_Annotation

Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 United States Geological Survey

Figure 19

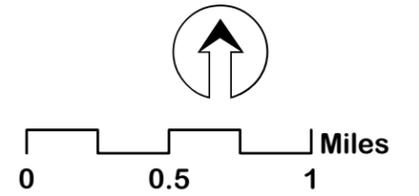
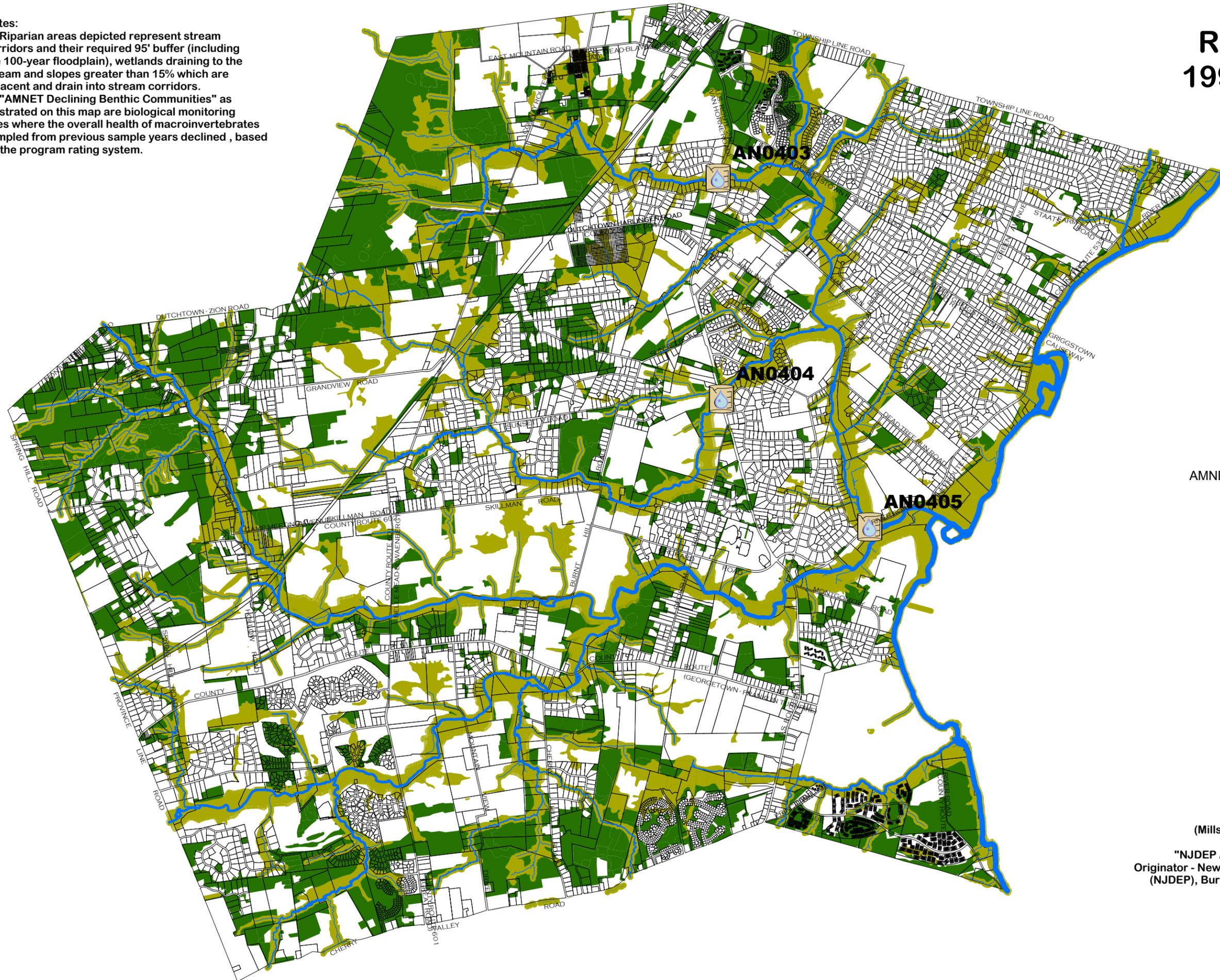
Riparian Areas and 1995 Forested Areas

Township of Montgomery
Somerset County, NJ

April 2004

Notes:

1. Riparian areas depicted represent stream corridors and their required 95' buffer (including the 100-year floodplain), wetlands draining to the stream and slopes greater than 15% which are adjacent and drain into stream corridors.
2. "AMNET Declining Benthic Communities" as illustrated on this map are biological monitoring sites where the overall health of macroinvertebrates sampled from previous sample years declined, based on the program rating system.



Legend

- AMNET Declining Benthic Communities
- Riparian Areas
- 1995 Forested Area
- 1st order Stream
- 2nd order Stream
- 3rd order Stream
- 4th order Stream
- 5th order Stream
- 6th order Stream

This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

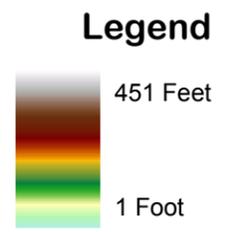
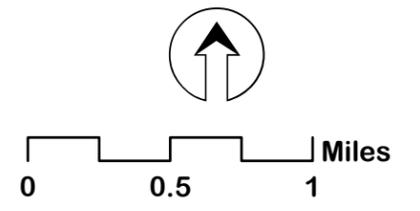
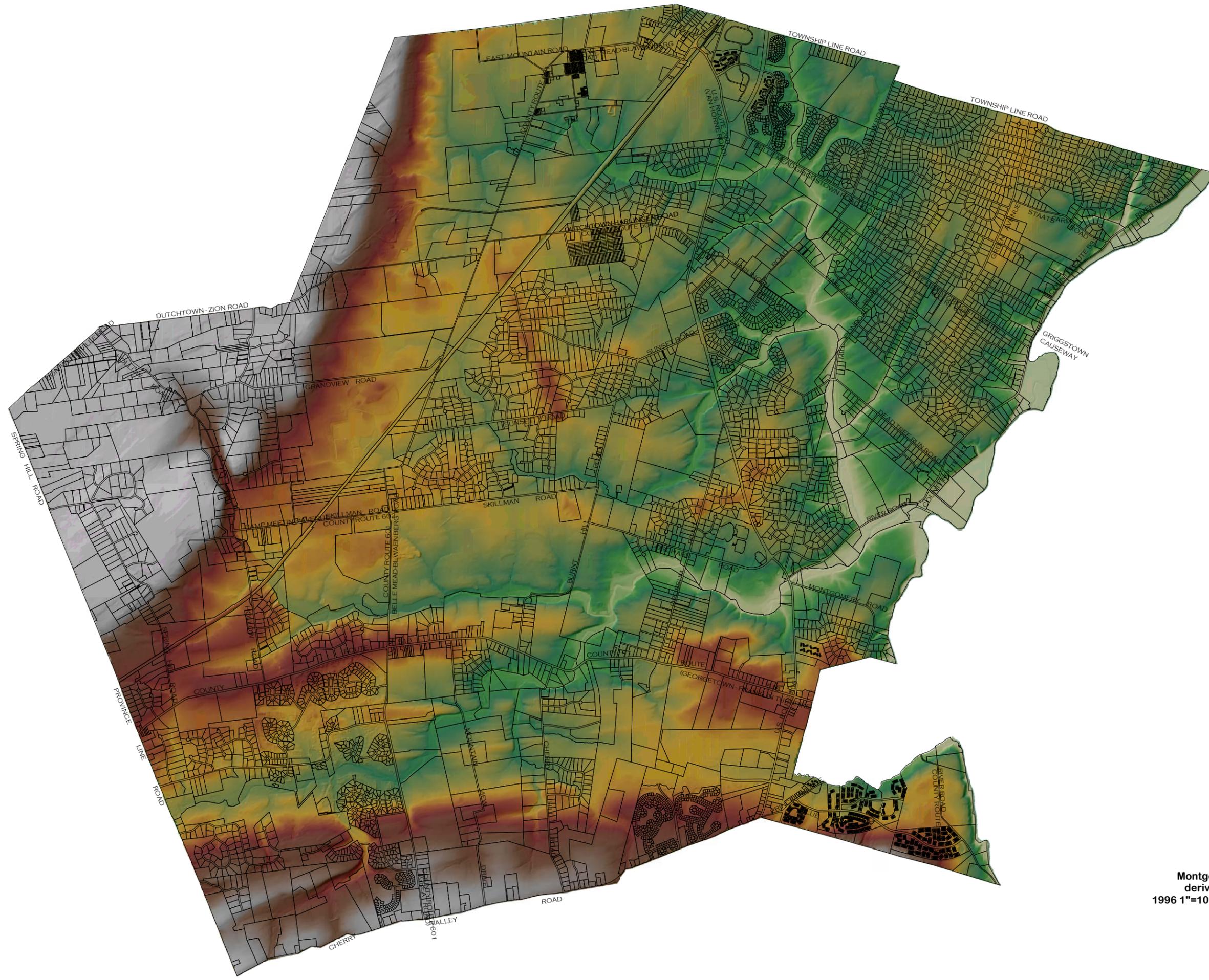
Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 1995 Land Use/Land Cover Edition 1.3 - WMA 10 (Millstone Watershed Management Area), Originator - NJDEP, OIRM, BGI, Source Scale 1:12,000.
 "NJDEP Ambient Biomonitoring Network (AMNET) 2000", Originator - New Jersey Department of Environmental Protection (NJDEP), Bureau of Freshwater Biological Monitoring (BFBM), Source Data Scale - 1:24,000

Figure 20

Topography

Township of Montgomery
Somerset County, NJ

April 2004



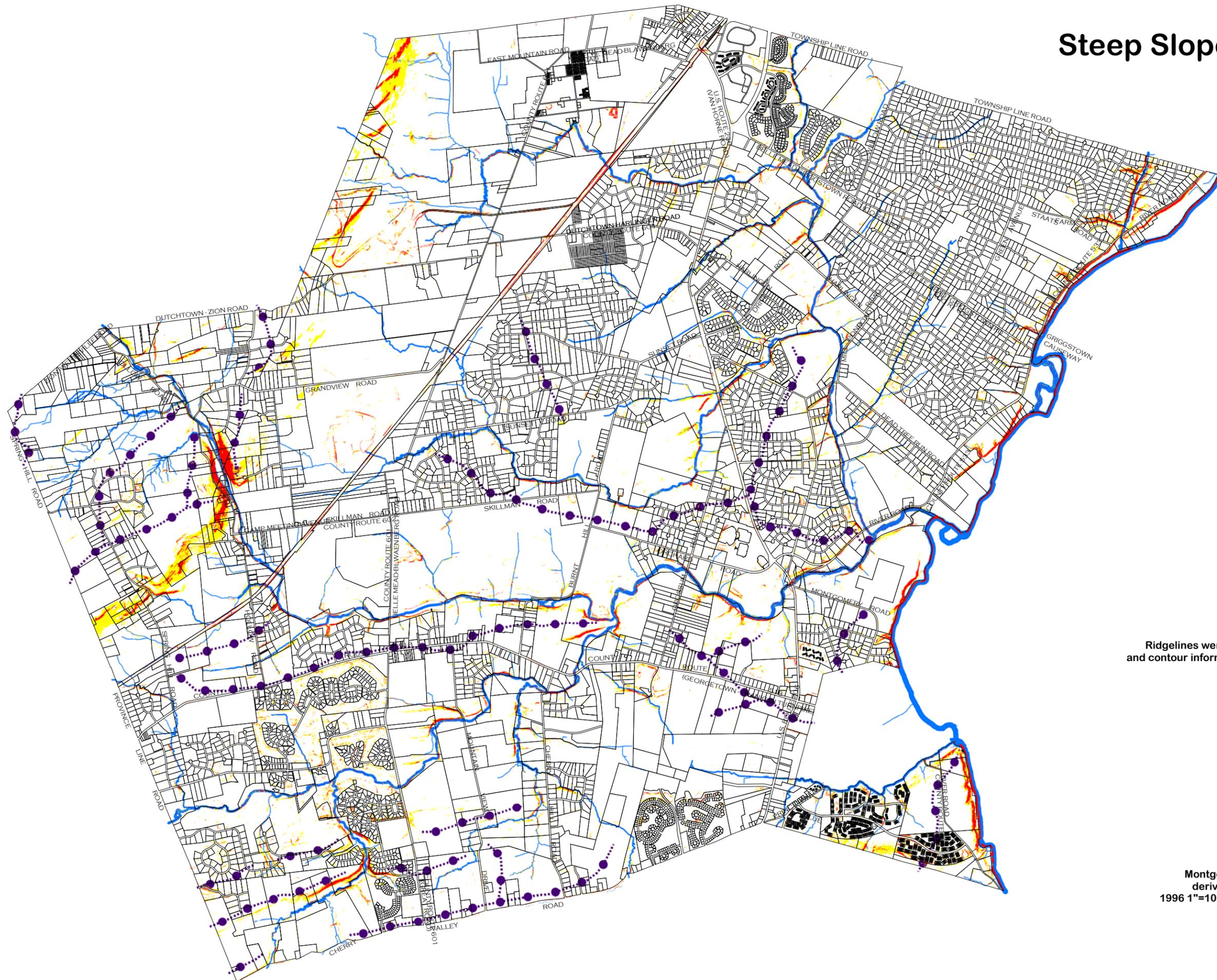
Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 Montgomery Township GIS DEM (10 Foot Grid), NAVD 88,
 derived from TIN interpolated from 2 foot DTM based on
 1996 1"=100' groundscale orthophotography by ProMaps, Inc.

Figure 21

Steep Slopes and Ridgelines

Township of Montgomery
Somerset County, NJ

April 2004



This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

Note:
Ridgelines were established manually using 3-dimensional DEM and contour information provided by the Township of Montgomery.

Legend

- Ridgeline
- Slopes less than 15%
- Slopes 15% to 25%
- Slopes greater than 25%

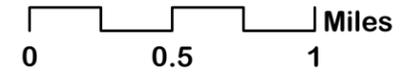
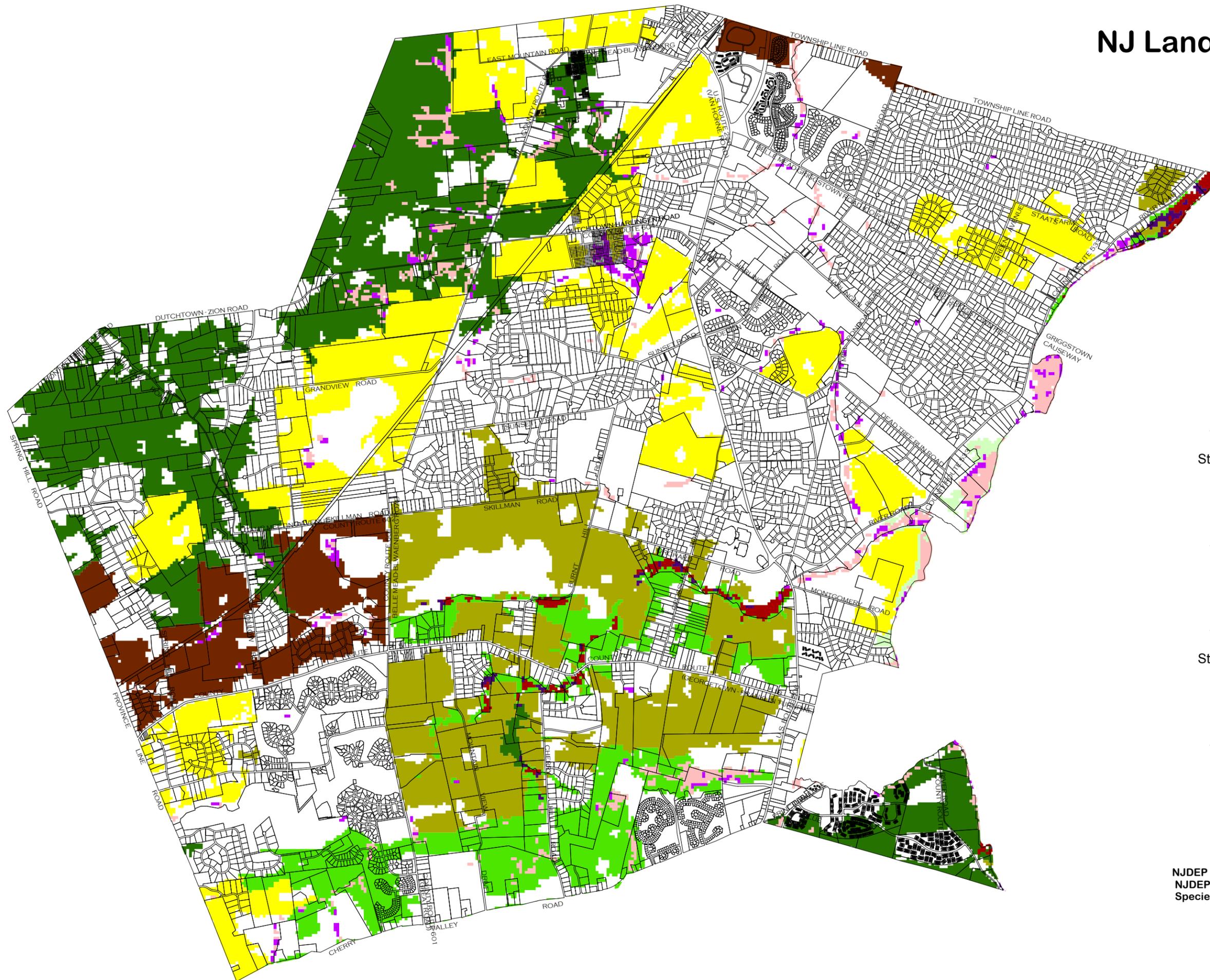
Data Sources:
Montgomery Township Tax Maps (2002 Edition)
Montgomery Township GIS DEM (10 Foot Grid), NAVD 88,
derived from TIN interpolated from 2 foot DTM based on
1996 1"=100' groundscale orthophotography by ProMaps, Inc.

Figure 22

NJ Landscape Project Data

Township of Montgomery
Somerset County, NJ

April 2004



Legend

Forest

- Suitable Habitat
- State Threatend Species Documented
- State Endangered Species Documented

Emergent

- Suitable Habitat
- State Threatend Species Documented

Grassland

- Suitable Habitat
- State Threatend Species Documented
- State Endangered Species Documented

Wetland Forest

- Suitable Habitat
- State Threatend Species Documented

This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

Data Sources:
Montgomery Township Tax Maps (2002 Edition)
NJDEP Landscape Project Critical Habitat Data, Originator - NJDEP, Division of Fish and Wildlife, Endangered NonGame Species Program, Source Data Scale - 30 Meter Resolution.

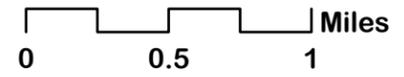
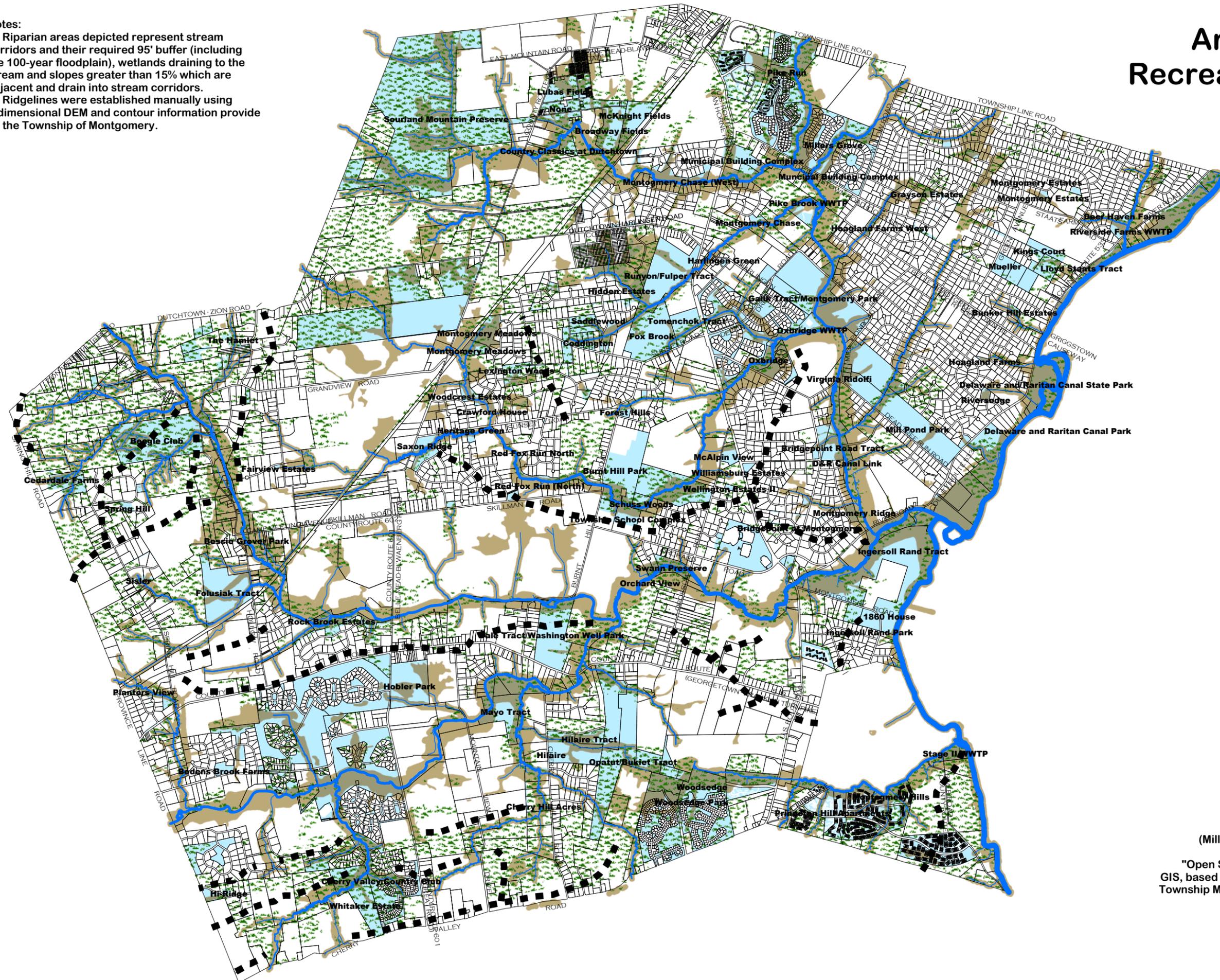
Figure 23

Areas of Scenic and Recreational Importance

Township of Montgomery
Somerset County, NJ

April 2004

- Notes:
1. Riparian areas depicted represent stream corridors and their required 95' buffer (including the 100-year floodplain), wetlands draining to the stream and slopes greater than 15% which are adjacent and drain into stream corridors.
 2. Ridgelines were established manually using 3-dimensional DEM and contour information provide by the Township of Montgomery.



Legend

- Ridgeline ■ ■ ■
- 1995 Forested Area
- Open Space
- Riparian Areas
- 1st order Stream
- 2nd order Stream
- 3rd order Stream
- 4th order Stream
- 5th order Stream
- 6th order Stream

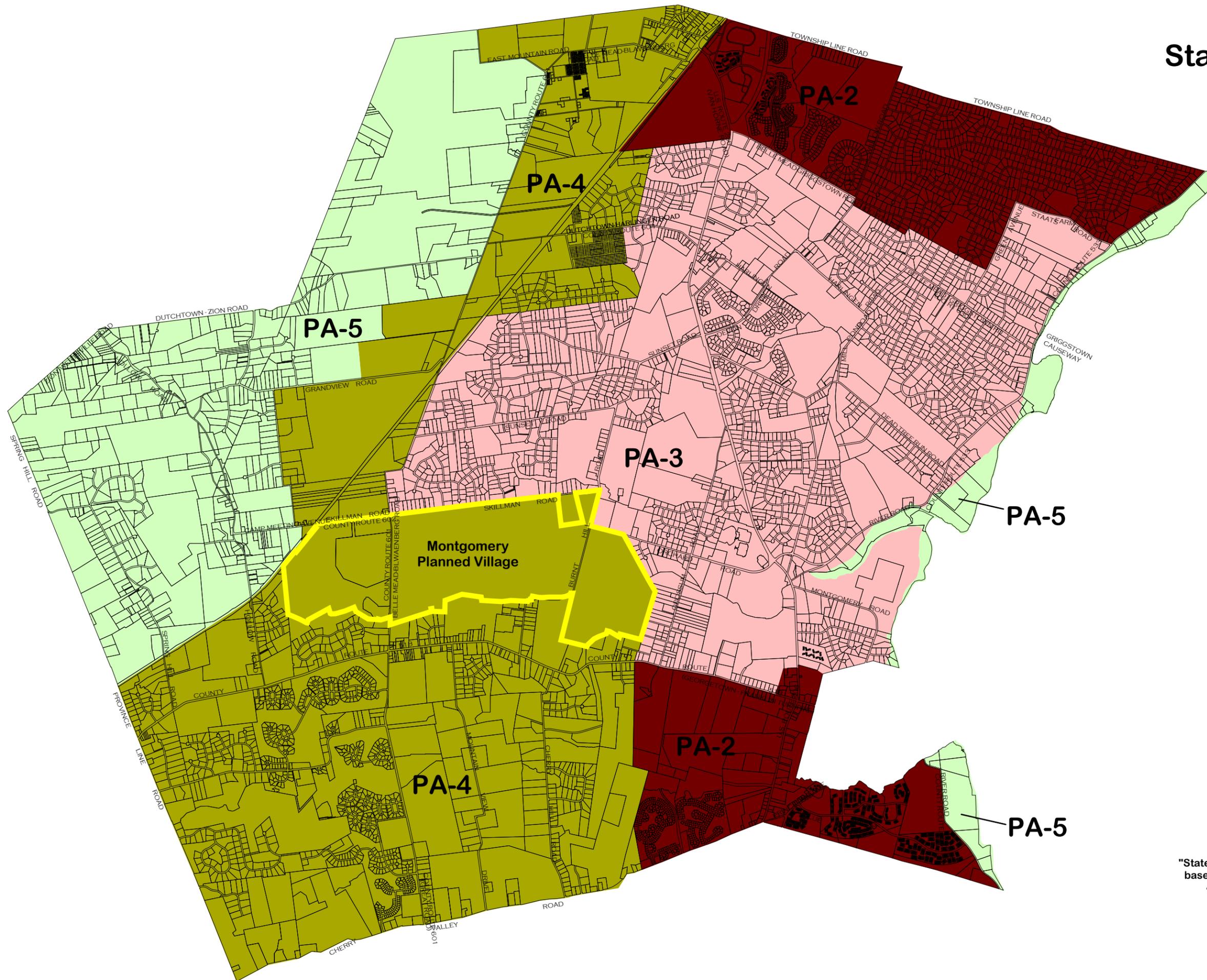
This map was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been NJDEP verified and is not State-authorized.

Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 1995 Land Use/Land Cover Edition 1.3 - WMA 10 (Millstone Watershed Management Area), Originator - NJDEP, OIRM, BGIA, Source Scale 1:12,000.
 "Open Space", Originator - Montgomery Township Digital GIS, based on Montgomery Township Tax Map (2001 Edition), Township Master Plan and Open Space Coordinator Records.

State Plan Policy Map

Township of Montgomery
Somerset County, NJ

April 2004



- Legend**
- Community Development Boundary 
 - PA-2 Suburban 
 - PA-3 Fringe 
 - PA-4 Rural 
 - PA-5 Environmentally Sensitive 

Data Sources:
 Montgomery Township Tax Maps (2002 Edition)
 "State Plan Policy Map", Originator - Coppola and Coppola,
 based on "Resource Planning and Management Map, New
 Jersey State Development and Redevelopment Plan",
 Source Data Scale - 1:24,000