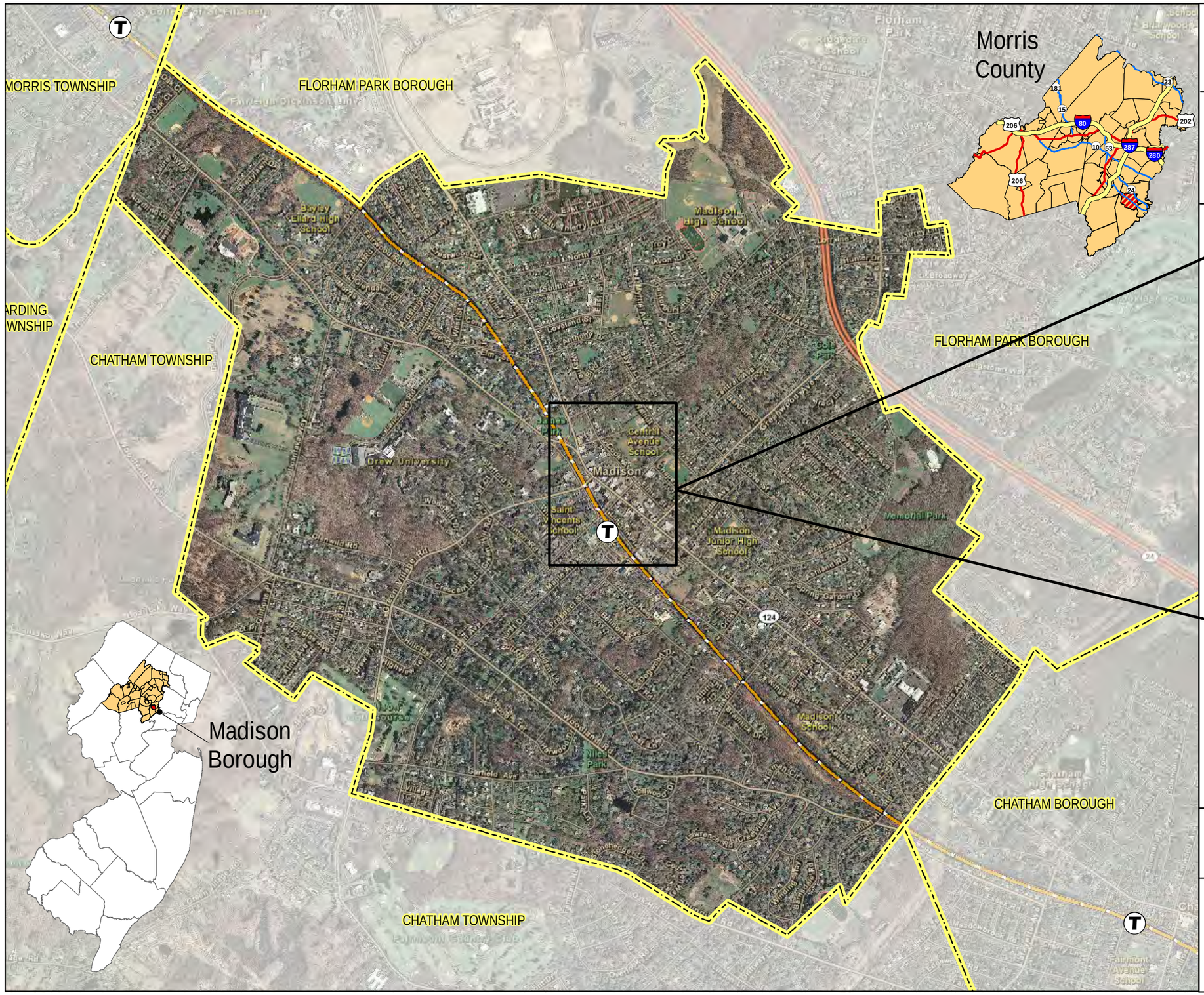
BOROUGH OF MADISON

MORRIS COUNTY, NEW JERSEY

AERIAL MAP



Downtown Madison

Source:

- NJDEP 2007 OrthoImagery
- ESRI World Basemap
- Morris County GIS Department

0 950 1,900 3,800 Ft

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BOROUGH OF MADISON

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ROAD MAP & JURISDICTION

Road Name	County Road	Classification (A) 1975 Plan	Police	Volume Class	Proposed 1992 Master Plan Classification (D)
Brittin Street	No	Collector	Collector	--	Collector
Brooklake Road	No	Minor	--	Arterial	Collector
Burnet Road	No	Collector	Collector	--	Collector
Central Avenue	Yes	Arterial	Arterial	Collector	Collector
Chateau Thierry Avenue	No	Arterial	Collector	--	Collector
Cook Avenue	No	Coll/Arter	--	--	Collector
Cross Street	No	Collector	Collector	--	Collector
Danforth Road	No	Arterial	--	Collector	Collector
Division Avenue	No	Collector	Collector	--	Collector
Elm Street	No	Collector	Collector	--	Collector
Elmer Street	No	Arterial	--	--	Collector
Fairview Avenue	No	Collector	Collector	--	Collector
Garfield Avenue	No	Collector	Collector	Local Access	Collector
Green Avenue	No	Arterial	Arterial	Collector	Collector
Green Village Road	Yes	Collector	Collector	Arterial	Secondary Arterial
Greenwood Avenue	No	Arterial	Arterial	Arterial	Collector
Kings Road	No	Collector	Collector	Arterial	Collector
Loantaka Way	Yes	Arterial	Arterial	Arterial	Secondary Arterial
Madison Avenue	No	Arterial	Arterial	Arterial	Secondary Arterial
Main Street	No	Arterial	Arterial	Arterial	Secondary Arterial
Morris Place	No	Collector	Collector	Minor	Local Access
Niles Avenue	No	Minor	--	Minor	Local Access
Noe Avenue	No	Collector	Collector	Collector	Collector
North Street	No	Collector	Collector	--	Local Access
Park Avenue	Yes	Arterial	--	Arterial	Secondary Arterial
Prospect Street	No	Arterial	--	Collector	Collector
Ridgedale Avenue	No	Collector	Collector	Arterial	Collector
Rosedale Avenue	No	Collector	Collector	Arterial	Collector
Samson Avenue	No	Collector	Collector	--	Collector
Shunpike Road	Yes	Arterial	Arterial	Arterial	Secondary Arterial
Union Hill Road	No	Collector	Collector	Collector	Collector
Walnut Street	No	Collector	Collector	--	Collector
Woodland Road (Note B)	No	Collector	--	Arterial	Secondary Arterial
Woodland Road (Note C)	No	Collector	Collector	Arterial	Collector

Notes: (A) Volume Class based on the following ADT's:

0-2000 ADT -- Minor; 2000-5000 ADT -- Collector; > 5000 ADT --Arterial
--Police Classification based on data supplied by the Madison Police Department
--Volume Class classification based on traffic volume data supplied by Morris County Department of Transportation and the Madison Police Department.

(B) Chatham Township line east to Loantaka Way
(C) Loantaka Way east to Chatham Borough line
(D) See text for definitions

Sources: Morris County GIS, Madison Engineering Department

Train Station
Railroad Line
Secondary Arterial
Collector
State Road
County Road
Building Footprint

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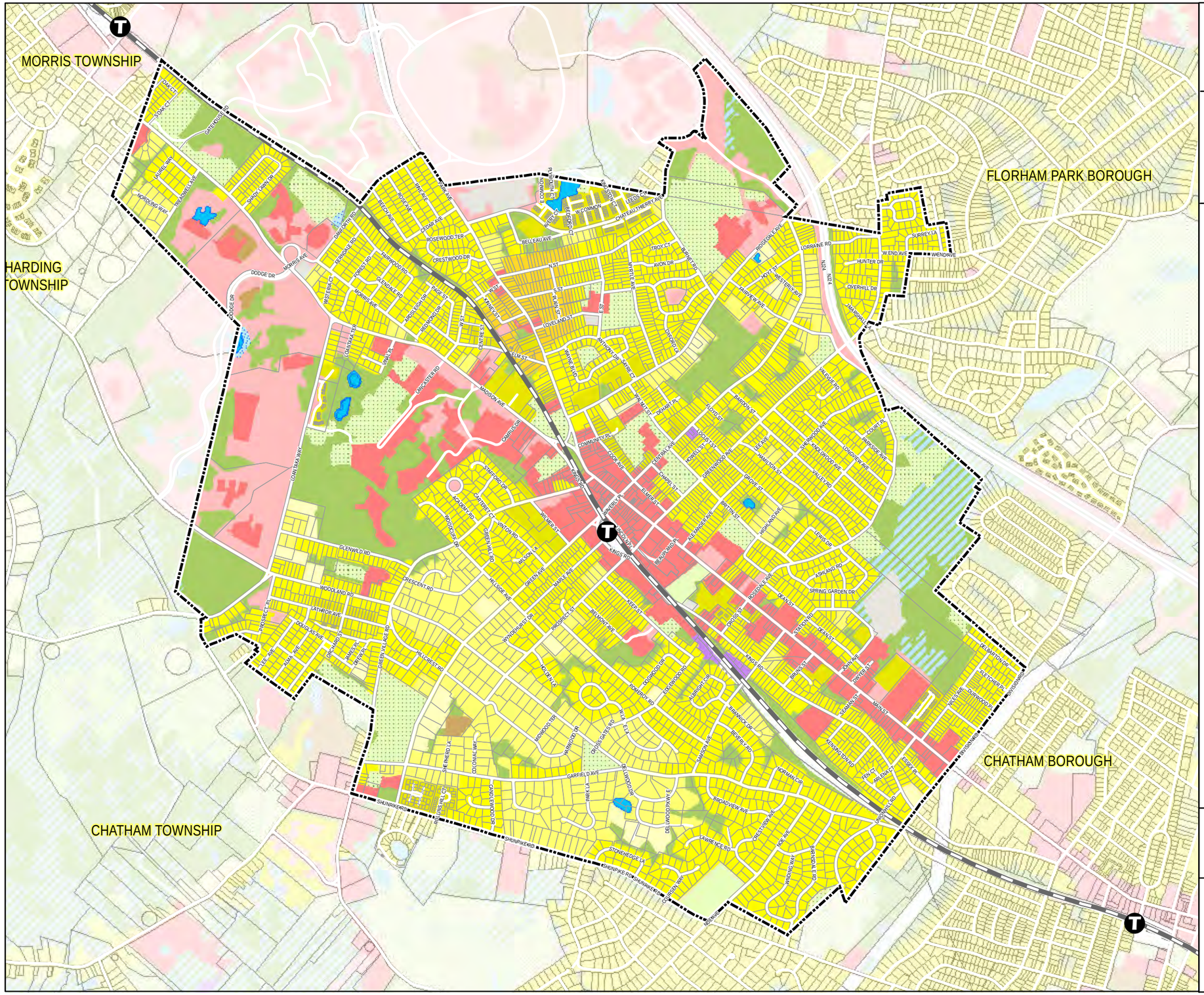
BOROUGH OF MADISON

MORRIS COUNTY, NEW JERSEY

LAND USE / LAND COVER



Madison Boundary
WATER
WETLANDS
RESIDENTIAL, RURAL, SINGLE UNIT
RESIDENTIAL, SINGLE UNIT, LOW DENSITY
RESIDENTIAL, SINGLE UNIT, MED DENSITY
RESIDENTIAL, HIGH DENSITY OR MF
MIXED RESIDENTIAL
COMMERCIAL/SERVICES
OTHER URBAN OR BUILT-UP LAND
INDUSTRIAL
FOREST
RECREATION, ATHLETIC FIELDS (SCHOOL)
CEMETERY
BARREN LAND
STORMWATER BASIN
TRANSP/COMMUNICATION/UTILITIES
Morris County_Railroad Centerlines

Source:

- NJDEP 2007 Land Use/Land Cover
- Morris County GIS Department

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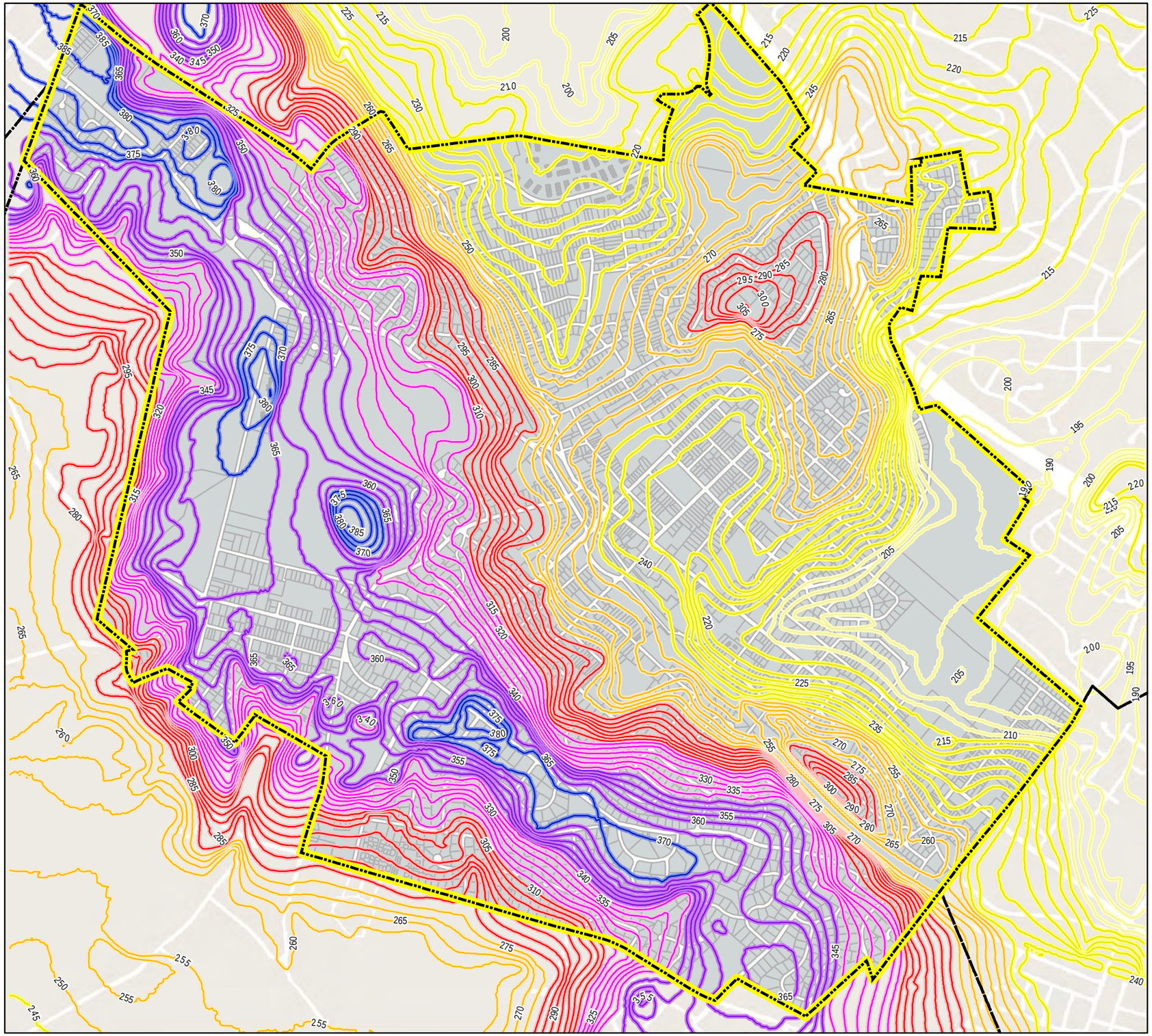
BOROUGH OF MADISON

MORRIS COUNTY, NEW JERSEY

TOPOGRAPHY



ELEVATION CONTOUR

- 190 - 210
- 211 - 245
- 246 - 275
- 276 - 310
- 311 - 340
- 341 - 365
- 366 - 395

Source:

Madison Borough Engineering Department, 5-foot contours

New Jersey Geological Survey, DGS00-3 Topographic Elevation Contours for New Jersey (1:100,000 Scale)

Morris County GIS Department

0 850 1,700 3,400 Ft

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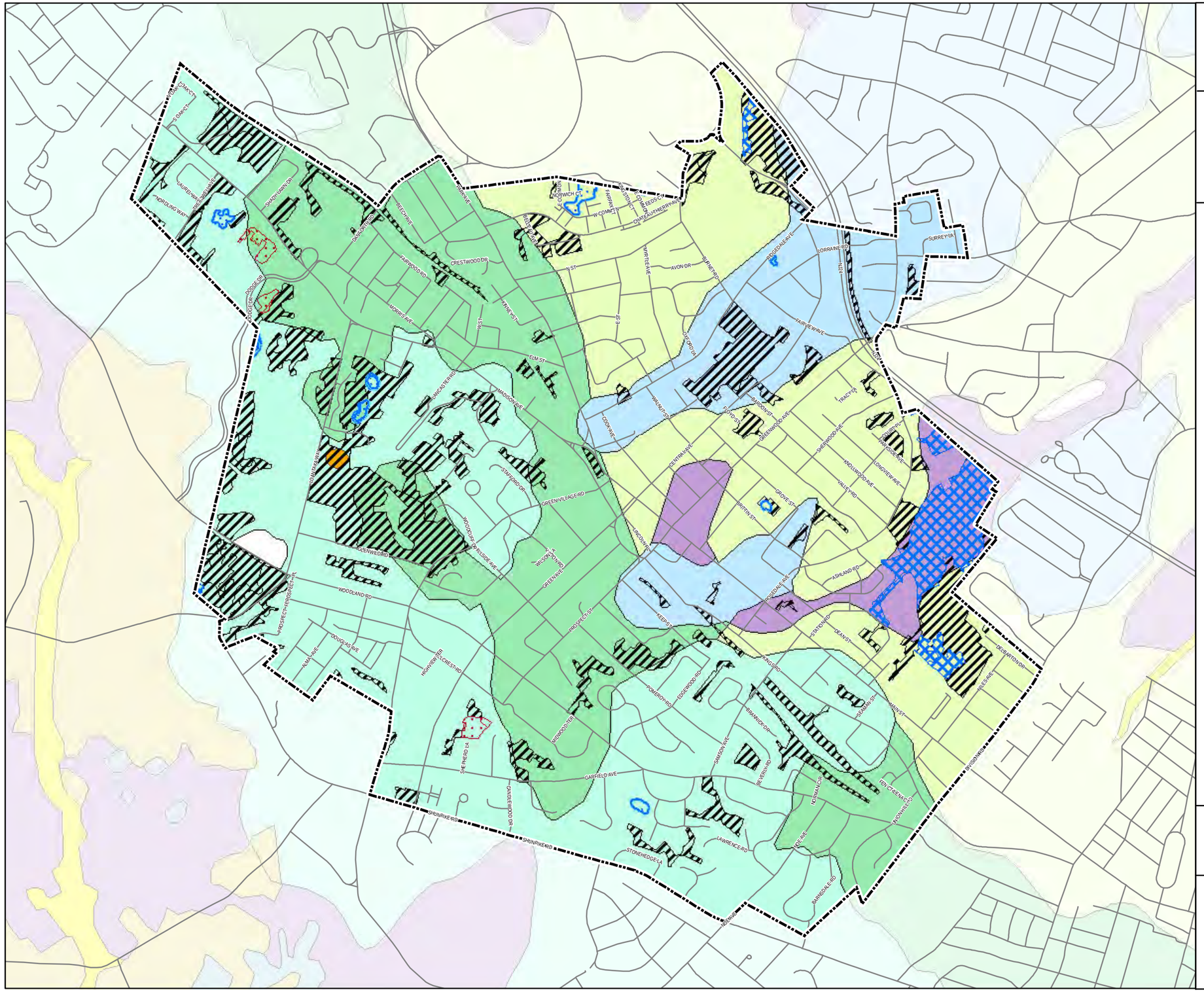
BOROUGH OF MADISON

MORRIS COUNTY, NEW JERSEY

SURFACE GEOLOGY



Surface Geology

- Qwde - Glacial Delta Deposits
- Qs - Swamp and Marsh Deposits
- Qwlf - Glacial Lacustrine-Fan Deposts
- Qwlb - Glacial Lake-Bottom Deposits
- Qwtr - Rahway Till
- Qwmtr - Terminal Moraine Deposits, Rahway Till

Non-Urban Surface Land Use

- WATER
- FOREST
- WETLANDS
- BARREN LAND

Source:

United States Geological Survey (U.S.G.S.), National Geologic Mapping Program

NJDEP 2007 Land Use/Land Cover

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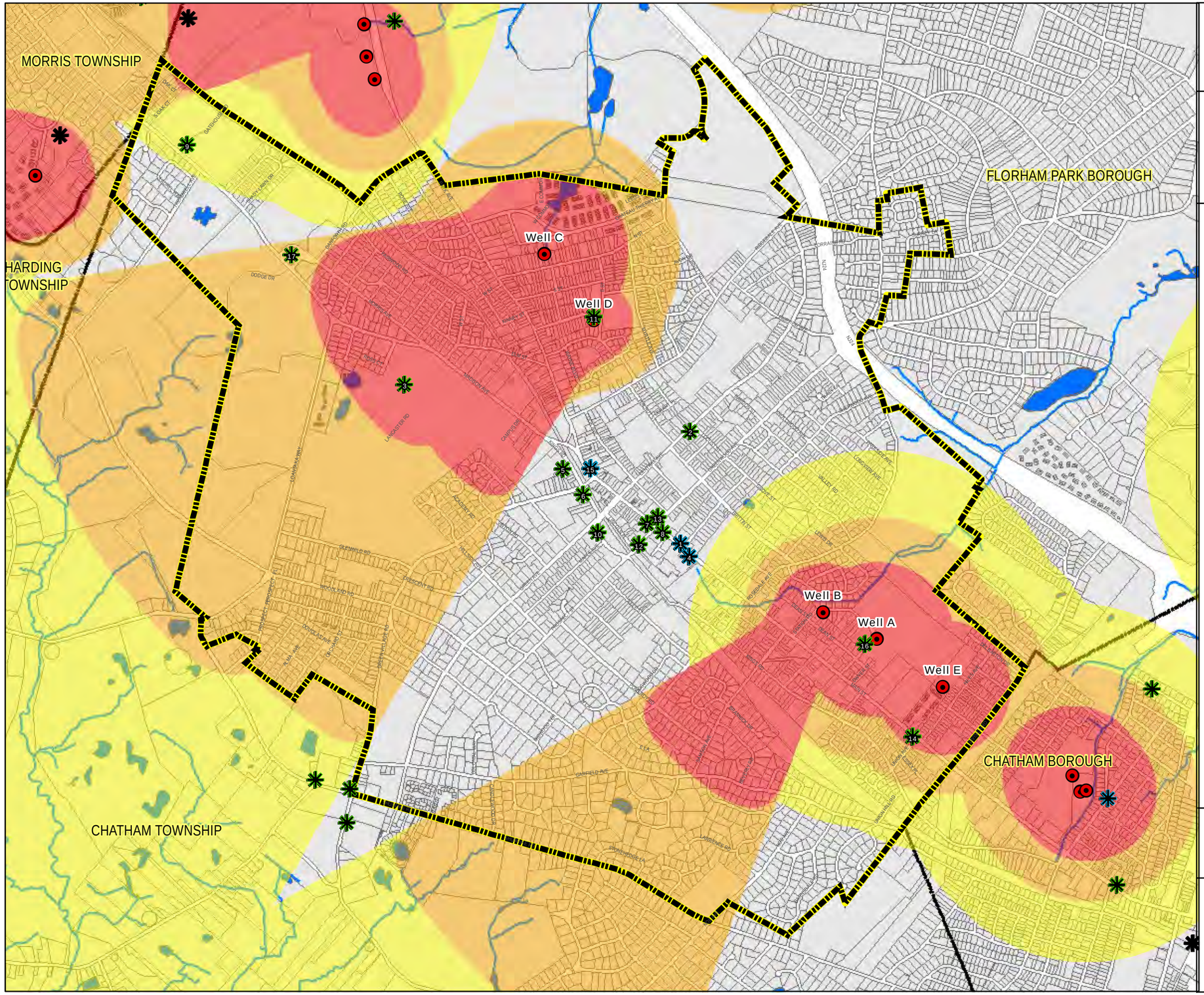
MORRIS COUNTY, NEW JERSEY

WELLHEAD PROTECTION & CONTAMINATED SITES



- Public Water Supply Well

Watershed Protection Area Tier

- 1: 2 Year Time of Travel
- 2: 5 Year Time of Travel
- 3: 12 Year Time of Travel

Known Contaminated Sites (Status)

- Active
- Pending
- MOA / NFA

Source:

NJDEP Public-Community Water-Supply Wells of New Jersey, New Jersey Geological Survey (NJGS), Edition 20100218

Well Head Protection Areas For Public Community Water Supply Wells In New Jersey, NJDEP, New Jersey Geological Survey (NJGS), Edition 20100219

NJDEP Known Contaminated Site List for New Jersey (Non-Homeowner), Site Remediation Program (SRP), Fall 2009

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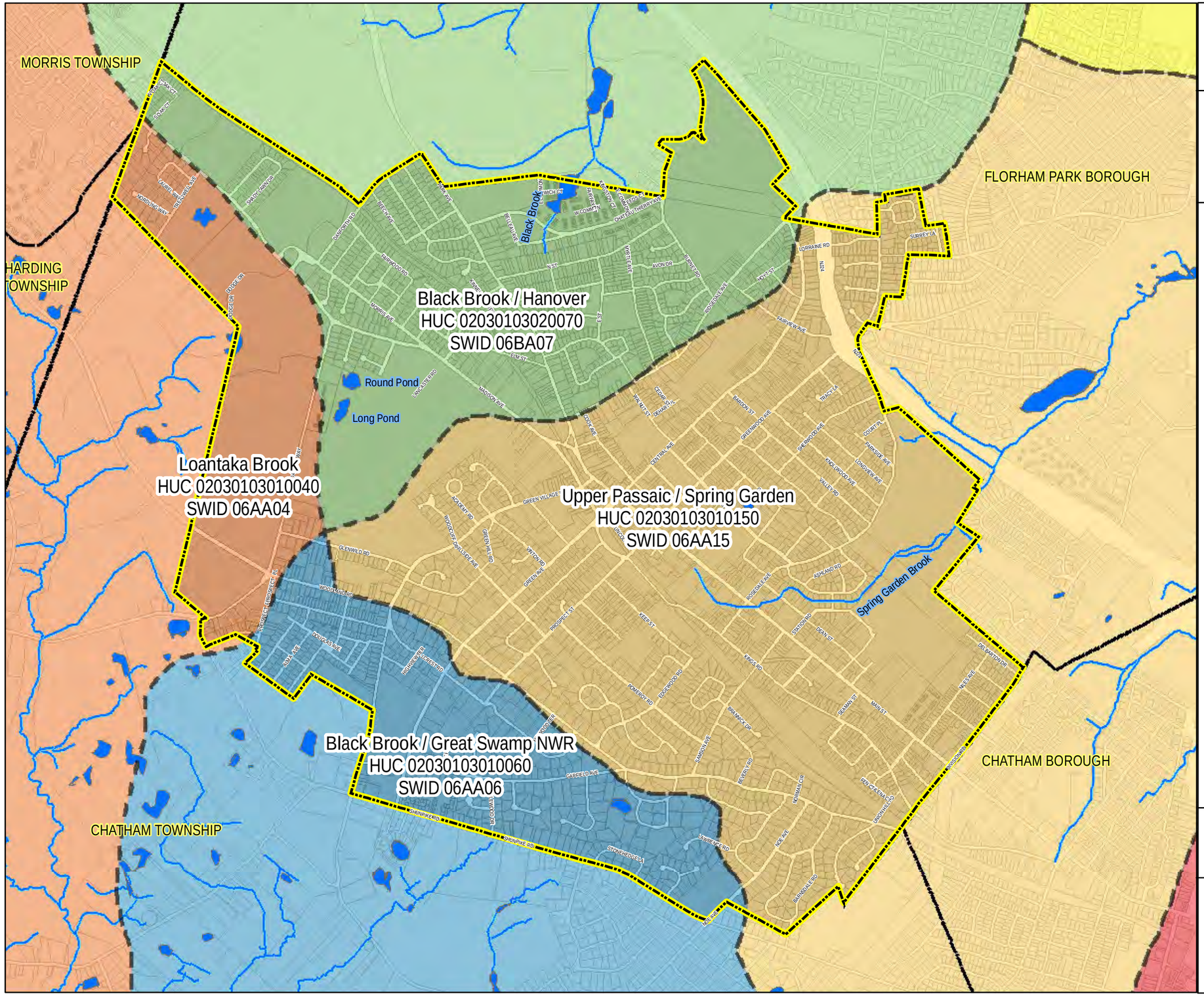
MORRIS COUNTY, NEW JERSEY

SURFACE WATER & WATERSHEDS



- Lakes
- Streams

HUC 14 Watershed

- Loantaka Brook
- Black Brook / Great Swamp
- Upper Passaic / Spring Garden
- Black Brook / Hanover

Source:

14 Digit Hydrologic Unit Code Delineations for New Jersey (Version 20110225), NJDEP, New Jersey Geological Survey (NJGS)

National Hydrography Dataset (NHD) Streams and Waterbodies 2002, NJDEP, Bureau of Geographic Information System (BGIS)

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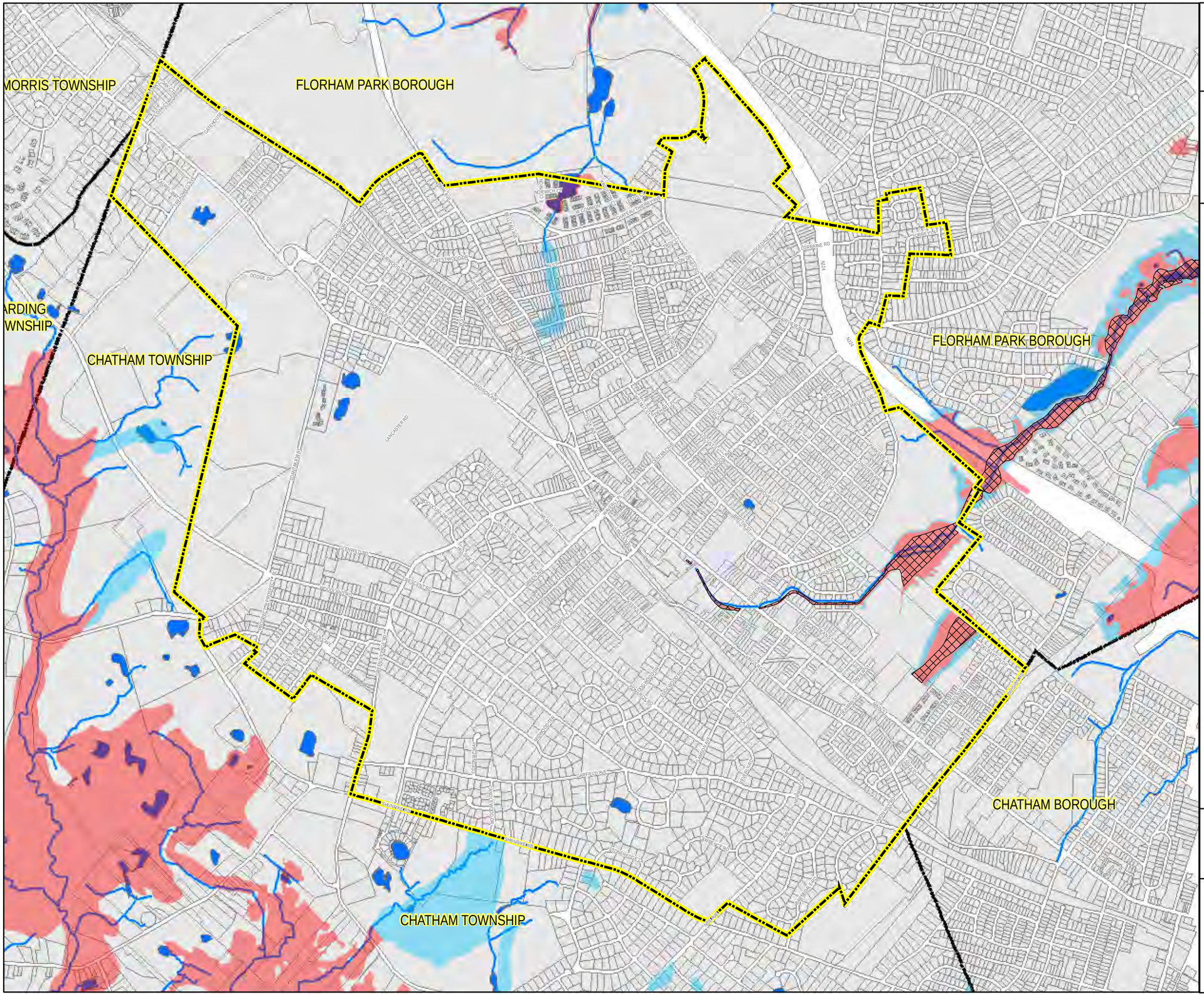
FLOODING



Hydrography

- Lakes
- Streams

Flooding

- Floodway
- Special Flood Hazard Area (SPHA)
- 0.2 Pct Annual Chance Flood Hazard

Source:

FEMA National Flood Hazard Layer (NFHL) from FEMA's Digital Flood Insurance Rate Map (DFIRM) databases, August 2008

14 Digit Hydrologic Unit Code Delineations for New Jersey (Version 20110225), NJDEP, New Jersey Geological Survey (NJGS)

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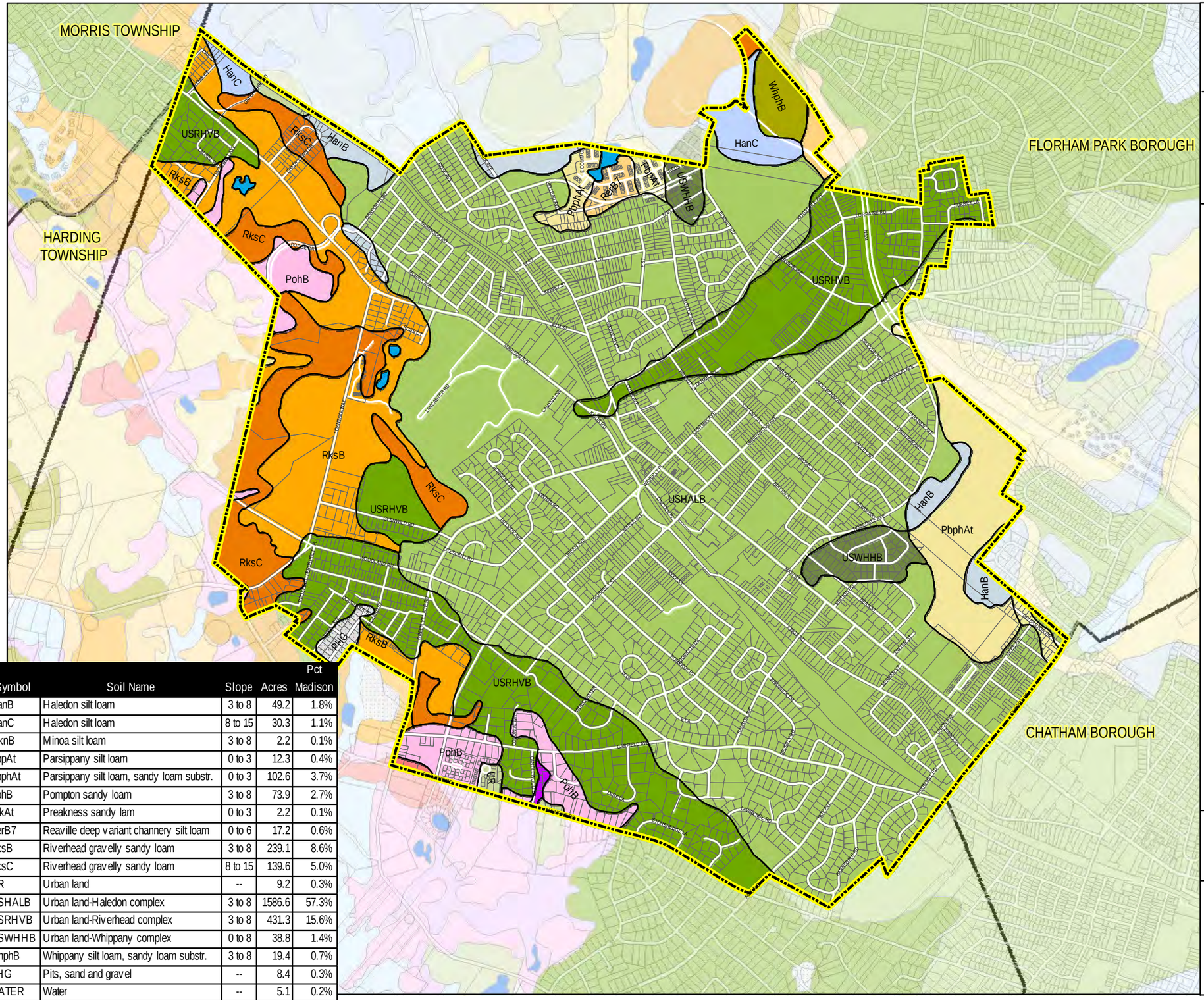
SOILS



Symbol	Soil Name	Slope	Acres	Pct Madison
HanB	Haledon silt loam	3 to 8	49.2	1.8%
HanC	Haledon silt loam	8 to 15	30.3	1.1%
MknB	Minoa silt loam	3 to 8	2.2	0.1%
PbpAt	Parsippany silt loam	0 to 3	12.3	0.4%
PbphAt	Parsippany silt loam, sandy loam substr.	0 to 3	102.6	3.7%
PohB	Pompton sandy loam	3 to 8	73.9	2.7%
PrkAt	Preakness sandy lam	0 to 3	2.2	0.1%
RerB7	Reaville deep variant channery silt loam	0 to 6	17.2	0.6%
RksB	Riverhead gravelly sandy loam	3 to 8	239.1	8.6%
RksC	Riverhead gravelly sandy loam	8 to 15	139.6	5.0%
UR	Urban land	--	9.2	0.3%
USHALB	Urban land-Haledon complex	3 to 8	1586.6	57.3%
USRHVB	Urban land-Riverhead complex	3 to 8	431.3	15.6%
USWHHB	Urban land-Whippany complex	0 to 8	38.8	1.4%
WhphB	Whippany silt loam, sandy loam substr.	3 to 8	19.4	0.7%
PHG	Pits, sand and gravel	--	8.4	0.3%
WATER	Water	--	5.1	0.2%
Total			2,768	100.0%

Source:

Natural Resources Conservation Service, USDA.
Web Soil Survey. http://websoilsurvey.nrcs.usda.gov/
Accessed 5/02/2011;
Survey Area v7, Tabular v6, Spatial v2

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BOROUGH OF MADISON

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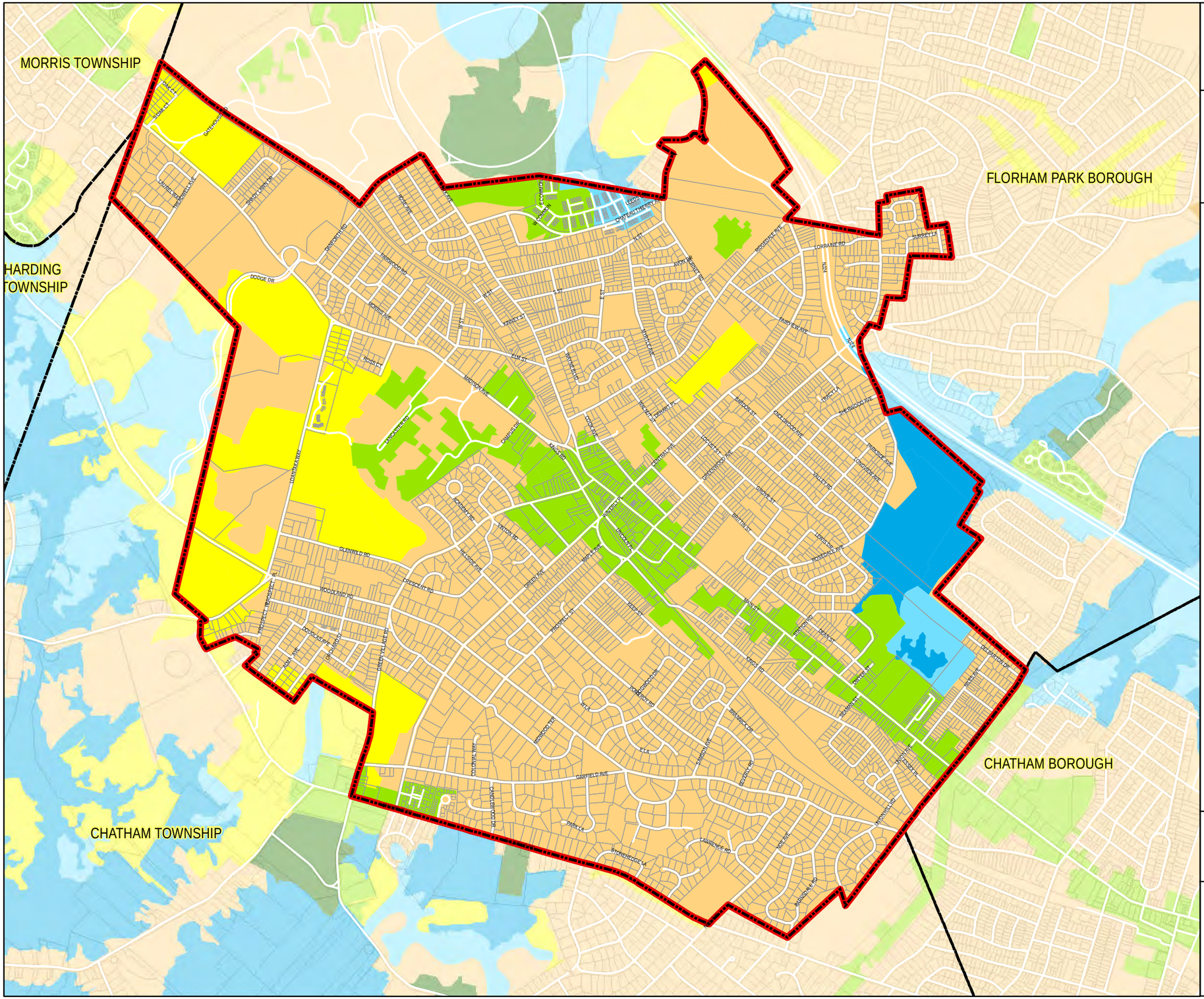
GROUNDWATER RECHARGE



Groundwater Recharge Rank

- A: 19 to 23 in/yr
- B: 12 to 18 in/yr
- C: 10 to 11 in/yr
- D: 1 to 9 in/yr
- E: 0 in/yr
- L: Hydric soils
- W: Wetlands / Open water

Source:

Groundwater Recharge for NJ Watershed Management Area 6 (Upper Passaic, Whippany and Rockaway Rivers), NJDEP, NJGS, Bur. of Water Resources (BWR); Updated 9/15/05

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