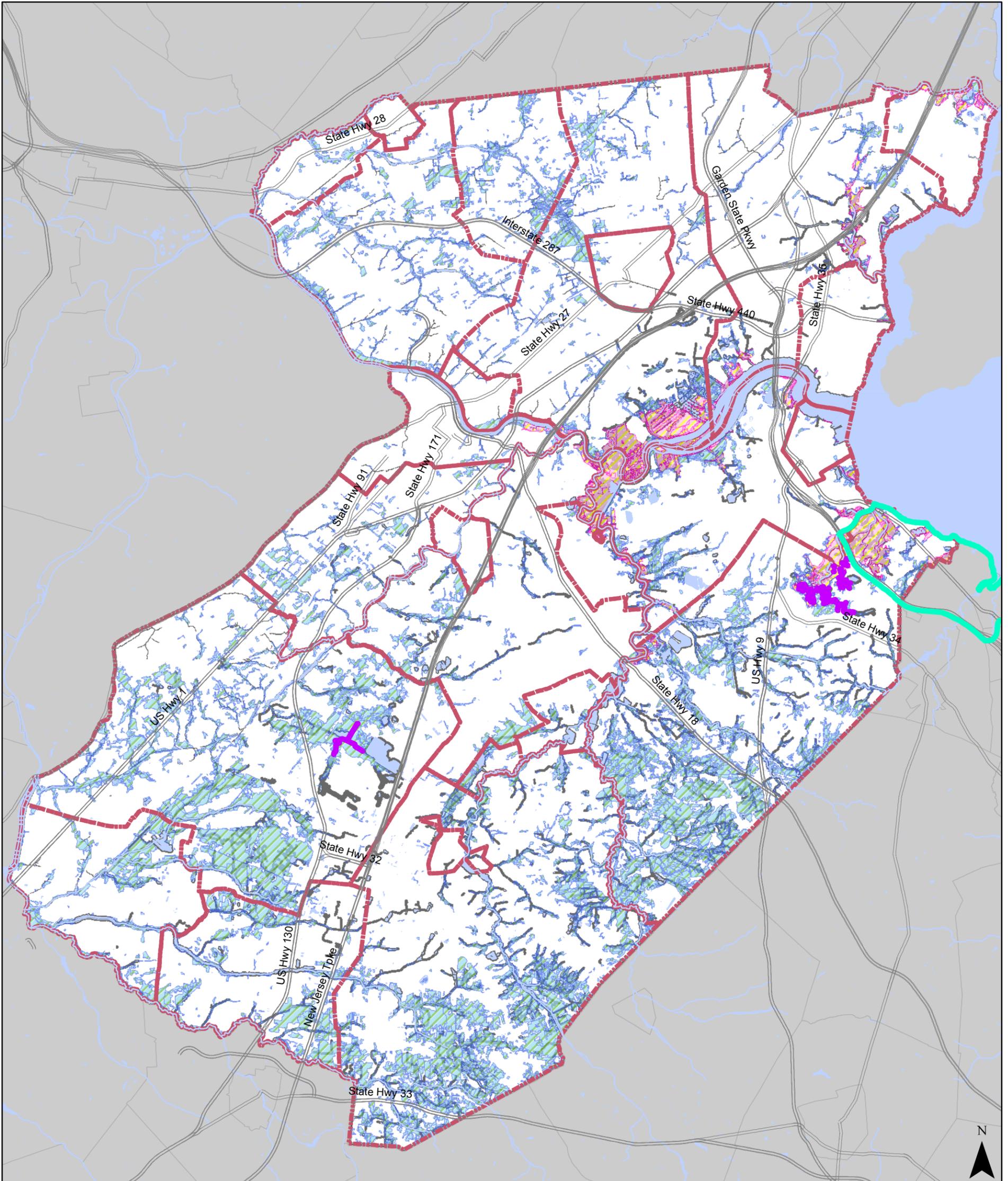


# Map 5

## Environmental Features / Hydrologic Features

### Middlesex County, NJ

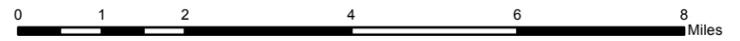


#### Legend

-  Coastal Area Facility Review Act (CAFRA)
-  Major Roads
-  Category One Waters
-  Middlesex County
-  Municipal Boundaries
-  Surface Water
-  Freshwater Wetlands
-  Tidal/Coastal Wetlands
-  Riparian Buffers\*\*

\*\*As defined in the State of New Jersey's Stormwater Management Rules, N.J.A.C. 7:8

1 in = 2.203 mile



"Development in areas mapped as wetlands, flood prone areas, suitable habitat for endangered and threatened species as identified on the Department's Landscape Maps of Habitat for Endangered, Threatened and Other Priority Wildlife as Rank 3, 4, and 5, Natural Heritage Priority Sites, riparian zones, steep slopes, or designated river areas may be subject to special regulation under Federal or State statutes or rules, and interested persons should check with the Department for the latest information."

Depiction of environmental features shall be for general information purposes only, and shall not be construed to define the legal geographic jurisdiction of such statutes or rules."

"Pursuant to N.J.A.C. 7:15, Riparian zones are: 300 feet from top of bank (or centerline of a first order stream where no bank is apparent) for waters designated as Category One and all upstream tributaries within the same HUC 14; 150 feet for waters designated Trout Production and all upstream waters; 150 feet for water designated Trout Maintenance and all upstream waters within one linear mile as measured along the length of the regulated water; 150 feet for any segments of water flowing through an area that contains documented habitat for a threatened or endangered species of plant or animal, which is critically dependent on the surface water body for survival, and all upstream waters (including tributaries) within one linear mile as measured along the length of the surface water body; 150 feet for waters that run through acid-producing soils, and; 50 feet for all waters not designated as C1, trout waters, critically water dependent Threatened and/or Endangered Species Habitat, or associated with acid soils."

Surface waters that are designated Category One are listed in the Surface Water Quality Standards at N.J.A.C. 7:9B. The Department's "Surface Water Quality Standards" GIS data layer was utilized to determine these waters. The applicable 300 foot buffer has been applied to these waterways and removed from the proposed sewer service areas on the mapping. Lesser width buffers have not been graphically removed from the sewer service area but are not proposed for sewer service. [Counties may map out the lesser width buffers also but the 300' buffers are the minimum, the lesser buffers are removed during the build-out analysis.] Jurisdictional determinations by the Department will be utilized to determine the extent of the sewer service area on individual lots."

Furthermore, compliance with the riparian zone standard has been demonstrated by the adoption of municipal Riparian Corridor Ordinances, which have been updated to be in compliance with the Flood Hazard Control Act Rules (N.J.A.C. 7:13) and Water Quality Management Rules (N.J.A.C. 7:15). See municipal chapters for additional information."

Sources:  
 Counties of New Jersey, New Jersey State Plane NAD83: NJOIT, 2010  
 Municipalities of New Jersey, New Jersey State Plane NAD83: NJOIT, 2010  
 Freshwater Wetlands: Created by MCOP staff based on 2002 Lu/LC, NJDEP, 2008  
 NJDEP Surface Water Quality Standards of New Jersey (Edition 200812): NJDEP, 2008  
 Riparian Buffers\*\*: Created by MCOP staff based on 2002 Lu/LC, NJDEP: 2008  
 Tidal\_or\_Coastal\_Wetlands: Created by MCOP staff based on 2002 Lu/LC, NJDEP: 2008  
 NJDOT Statewide Public Road Network 2007: NJDOT, 2007  
 Coastal Area Facilities Review Act Boundary (polygon shapefile), New Jersey: NJDEP, 2005  
 Water Layer created by NJDEP from 2002 Lu/LC