Topography

Legend

- 10' Contour Intervals*
- Streams
- Artificial Lakes
- Natural Lakes
- 100 Year Flood Zone
- Major Roads
- Municipal Boundary

* indicates feet above sea level

PREPARED FOR: The Environmental Resources Inventory of Madison Borough, Morris County, NJ
BY: The Great Swamp Watershed Association, June 2001
Subwatersheds and Surface Water

Legend
- Streams
- Lakes
- Flood Hazard Area - 100 Year Floodplain
- Freshwater Wetlands
- Municipal Boundary
- Major Roads
- Great Swamp Watershed:
  - Black Brook Subwatershed
- Whippany River Watershed:
  - Black Brook Subwatershed
- Great Swamp Watershed:
  - Loantaka Brook Subwatershed
- Upper Passaic River Watershed:
  - Spring Garden Brook Subwatershed

DATA SOURCE: NJ Department of Environmental Protection (1999), with modifications by the Madison Environmental Commission (2001)
PREPARED FOR: The Environmental Resources Inventory of Madison Borough, Morris County, NJ
BY: The Great Swamp Watershed Association, June 2001

MAP No. 2
Impervious Surface Cover

Legend
- < 10%
- 10 - 29%
- 30 - 49%
- 50 - 69%
- 70 - 84%
- 85 - 100%

\(\checkmark\) Major Roads

\(\square\) Municipal Boundary

DATA SOURCE: NJ Department of Environmental Protection (1995)
PREPARED FOR: The Environmental Resources Inventory of Madison Borough, Morris County, NJ
BY: The Great Swamp Watershed Association, June 2001
Open Space

Legends
- Parks and Playgrounds
- Public Land
- Private Recreation
- Churches and Cemeteries
- Educational Use
- Major Roads

PREPARED FOR: The Environmental Resources Inventory of Madison Borough, Morris County, NJ
BY: The Great Swamp Watershed Association, June 2001
Steep Slopes

Legend

- <10% slope
- 11-20% slope
- > 20% slope
- Municipal Boundary
- Major Roads

PREPARED FOR: The Environmental Resources Inventory of Madison Borough, Morris County, NJ
BY: The Great Swamp Watershed Association, June 2001
Soils

Legend

Critical Soils*

- Ppb  Parsippany
- Ppbh Parsippany
- PohB Pompton
- PrkB Freakeen
- RksB Riverhead
- RksC Riverhead
- URRHB Urban Land - Riverhead
- URWH Urban Land - Whippany

Other Soils

- HanB Haledon
- HanC Haledon
- MknB Minoa
- PfH Pits, gravel
- RekB Reekville Variant
- UR Urban Land
- URRAB Urban Land - Haledon

Major roads

Municipal Boundary

PREPARED FOR: The Environmental Resources Inventory of Madison Borough, Morris County, NJ
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*Critical areas as determined by the 206
"Water Quality Management Plan for Northeast New Jersey" (1979)
Groundwater Recharge Areas
for Madison Borough

Groundwater Recharge
- 0 to 1 mpy
- 10 to 13 mpy
- 1 to 2 mpy
- 5 to 6 mpy
- 2 to 3 mpy
- 4 to 5 mpy
- 6 to 7 mpy
- 8 to 9 mpy
- 9 to 10 mpy
- 13 to 16 mpy

Source:
These areas were determined based on the USGS Geology of the Madison area.

Map No. 10
Recharge
County GIS