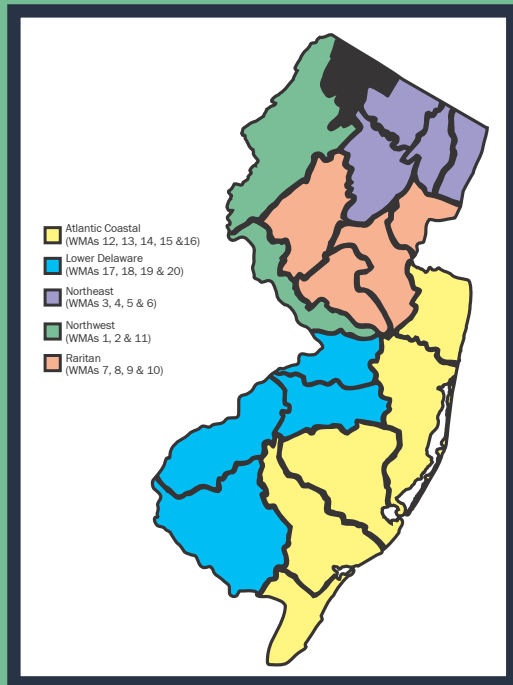




Watershed Management Area 2

Wallkill



Watershed Management Area 2 (WMA 2), also known as the Wallkill River Watershed, includes 11 townships in Sussex County. It is recognized as unique because its headwaters begin at Lake Mohawk in Sparta Township and then the river flows north into New York, eventually emptying into the Hudson River.

The Wallkill Watershed is about 208 square miles in area. It is comprised of a variety of land uses, including rural and centralized residential development, agriculture, commercial, recreational and industrial usage. The Wallkill River National Wildlife Refuge provides migratory and nesting habitats for numerous birds and waterfowl and is home to several endangered species.

This area is predominantly rural. The largest towns are Vernon, Sparta, Franklin and Sussex. Key tributaries flowing into the Wallkill include the Papakating (15 miles long) and Pochuck (8 miles long). Creeks, lakes and impoundments in this watershed include Lake Mohawk at the headwaters, Newton Reservoir, Lake Grinnell, Wawayanda Lake and many more.

The four watersheds for Area 2 are the Upper Wallkill, Lower Wallkill, Papakating Creek and Black Creek.

Data collected from monitoring near Sussex and Unionville show mildly elevated phosphorus and bacteria levels in the Wallkill River. Several restoration and protection plans for subwatersheds of the Wallkill River are under development to study the causes of these elevated levels and determine methods to reduce them.

WMA 2 Partnerships:

- ▶ Garden State Grazing Coalition
- ▶ New Jersey Farm Bureau
- ▶ New Jersey Forest Service, NJDEP
- ▶ Northeast Organic Farming Association of New Jersey (NOFA)
- ▶ NRCS, North Jersey RC&D Council
- ▶ Rutgers Cooperative Extension
- ▶ Sussex County
 - Agricultural Development Board
 - Board of Agriculture
 - Department of Engineering and Planning
 - Department of Health
 - Office of GIS
- ▶ Sussex County Soil Conservation District
- ▶ Sussex County Municipal Utilities Authority
- ▶ Upper Delaware Watershed Mgmt. Project
- ▶ Vernon Township Department of Health
- ▶ Wallkill River National Wildlife Refuge
- ▶ Wallkill River Watershed Management Group



New Jersey Department of Environmental Protection
 Division of Watershed Management
 Bureau of Watershed Planning

Watershed Management Area 2 Wallkill

This factsheet is a snapshot of the workplan for Watershed Management Area 2.

Watershed Plans are regional/areawide in scope (i.e. not a study of one location); detail specific projects or management measures to be implemented to achieve the goals of the plan; and set forth a prioritization of the projects or measures identified in the plan. The Department has identified a **Priority Segment for Restoration** in each watershed management area. Funding was provided to conduct a basic characterization and assessment of the segment and to identify restoration projects to address a specific parameter of concern (i.e. fecal coliform). Since 2003, the Department has prepared and adopted hundreds of Total Maximum Daily Load (TMDL) documents to address the impaired waters of the state. **TMDL Implementation Priorities** represent the Bureau of Watershed Planning's focus for implementing the adopted TMDLs. **Active Grant Projects** represent current projects with which the Bureau of Watershed Planning is actively involved. Many of these projects are funded through the Federal 319(h) Nonpoint Source Program.

Watershed Plans:

- ▶ Black Creek (under development)
- ▶ Clove Acres Lake (under development)
- ▶ Papakating Creek (under development)

Priority Segment for Restoration:

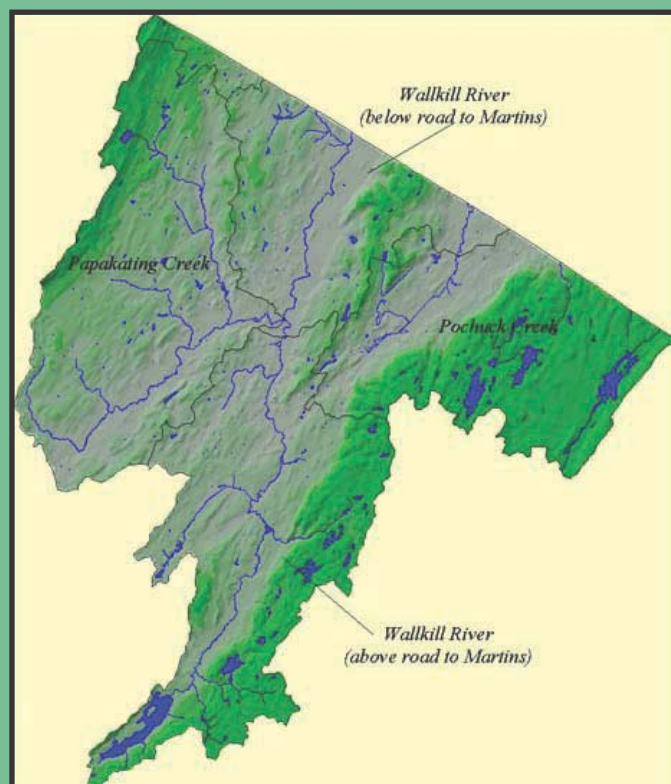
- ▶ Papakating Creek mainstem to confluence with Wallkill

TMDL Implementation Priorities:

- ▶ Arsenic in the Wallkill
- ▶ Papakating Creek mainstem to confluence with Wallkill, Fecal Coliform
- ▶ Papakating Creek, Phosphorus

Active Grant Projects:

- ▶ Streambank Restoration Project at Bassetts Bridge and at Route 565 on the Wallkill River
 - U.S. Fish and Wildlife Service
- ▶ Lake Mohawk Stormwater Basin Alum Injection System
 - Sparta Township
- ▶ Black Creek Watershed Restoration and Protection Plan
 - Vernon Township
- ▶ Watershed Restoration Plan for Clove Acres Lake and Surrounding Lakeshed
 - Sussex County Municipal Utilities Authority and Wallkill River Watershed Management Group
- ▶ Watershed Restoration Plan for the Papakating Creek and Surrounding Watershed
 - Sussex County Municipal Utilities Authority and Wallkill River Watershed Management Group



For more information on Watershed Management Area 2, contact Dana Cartwright,
WMA 2 Area Manager at (609) 292-2051 or email Dana.Cartwright@dep.state.nj.us

Or visit the project's website at www.wallkillriver.org

For more information on New Jersey's 20 Watershed Management Areas visit www.nj.gov/dep/watershedmgt