



## Tenmile River Watershed (0110000505)

Water Index Number	Waterbody Segment	Category
Conn 15	Tenmile River, Lower, and minor tribs (1601-0011)	Need Verific
Conn 15	Tenmile River, Upper, and minor tribs (1601-0012)	NoKnownImpct
Conn 15- 1-P1113	Ellis Pond (1601-0013)	UnAssessed
Conn 15- 2-P1114,P1114a	Quaker Lake, French Lake (1601-0014)	UnAssessed
Conn 15- 4	Swamp River, Lower, and minor tribs (1601-0015)	MinorImpacts
Conn 15- 4	Swamp River, Upper, and tribs (1601-0016)	Need Verific
Conn 15- 4- 2	Mill River and tribs (1601-0017)	UnAssessed
Conn 15- 4- 2- 1-P1116b	Pell Lake (1601-0018)	UnAssessed
Conn 15- 4- 3-P1116	Sharparoon Pond (1601-0019)	UnAssessed
Conn 15- 4- 4- 3..P1117b	Jones Pond (1601-0020)	UnAssessed
Conn 15- 4-11	Hiller Brook, Upper, and tribs (1601-0021)	UnAssessed
Conn 15- 4-15-P1117	Green Mountain Lake (1601-0022)	UnAssessed
Conn 15- 6- 1	Wells Stream and tribs (1601-0023)	UnAssessed
Conn 15-11	Wassaic Creek and tribs (1601-0024)	NoKnownImpct
Conn 15-11..P1123	Arrowhead Lake (1601-0025)	UnAssessed
Conn 15-12	Webatuck Creek and tribs (1601-0026)	NoKnownImpct
Conn 15-12- 1-P1127,P1127a	Swift Pond, Crane Pond (1601-0027)	UnAssessed
Conn 15-12- 9-P1130	Round Pond (1601-0028)	UnAssessed
Conn 15-12-11-P1131	Indian Lake (1601-0029)	UnAssessed
Conn 15-12-21-P1134	Rudd Pond (1601-0001)	MinorImpacts
Conn 15-12..P1135a,P1135d	Grass Pond, Depression Pond (1601-0030)	UnAssessed
Conn 15-P1118	Parce Pond (1601-0031)	UnAssessed



A biological (macroinvertebrate) assessment of Tenmile River at this site was also conducted in 2002 during the Biological Screening effort in the basin. Sampling results also indicated non-impacted water quality conditions, with a well-balanced and diverse fauna of clean-water mayflies, stoneflies, caddisflies and hellgrammites. (DEC/DOW, BWAM/SBU, June 2005)

#### Previous Sampling

A biological (macroinvertebrate) survey of Tenmile River at five sites between Webatuck and Wassaic was conducted in 1992. Sampling results indicated non-impacted water quality conditions at all sites. Three of the sites are along this reach of the stream; one other site is just above the reach. (Tenmile River Biological Stream Assessment, Bode et al., DEC/DOW, BWAM/SBU, April 1993)

#### Segment Description

This segment includes the portion of the stream and selected/smaller tribs from the Connecticut state line to/including Stone Church Brook (-6). The waters of this portion of the stream are Class B(T) from the state line to Lake Ellis Road Bridge and Class C(T) for the remainder of the reach. Tribs to this reach/segment, including Ellis Pond Outlet (-1), Deuel Hollow Brook (-2) and Stone Church Brook, are Class C,C(T),C(TS). Swamp River (-4) and Wells Stream (-6-1) are listed separately.





# Swamp River, Upper, and tribs ( 1601-0016)

Need Verific

## Waterbody Location Information

Revised: 07/14/2008

**Water Index No:** Conn 15- 4      **Drain Basin:** Housatonic River  
**Hydro Unit Code:** 0110005/480      **Str Class:** A(T)  
**Waterbody Type:** River      **Reg/County:** 3/Dutchess Co. (14)  
**Waterbody Size:** 31.1 Miles      **Quad Map:** ()  
**Seg Description:** stream and tribs, above Wingdale

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Threatened	Suspected

### Type of Pollutant(s)

Known: ---  
Suspected: OTHER POLLUTANTS (unspecified)  
Possible: Nutrients, Pathogens

### Source(s) of Pollutant(s)

Known: ---  
Suspected: OTHER SOURCE (unspecified)  
Possible: Agriculture, Landfill/Land Disp., Municipal

## Resolution/Management Information

**Issue Resolvability:** 3 (Strategy Being Implemented)  
**Verification Status:** 5 (Management Strategy has been Developed)  
**Lead Agency/Office:** ext/WQCC      **Resolution Potential:** High  
**TMDL/303d Status:** n/a

## Further Details

### Overview

Water supply use of this portion of Swamp River is thought to be threatened by unspecified pollutants from point wastewater, agricultural activities and various other nonpoint sources.

### NYSDOH Source Waters Assessment

The NYSDOH Source Waters Assessment Program (SWAP) compiles, organizes, and evaluates information regarding possible and actual threats to the quality of public water supply (PWS) sources. The information contained in SWAP assessment reports assists in the oversight and protection of public water systems. It is important to note that SWAP reports estimate the potential for untreated drinking water sources to be impacted by contamination. These reports do not address the safety or quality of treated finished potable tap water. This water supply reservoir provides water to private/commercial/institutional facilities. This assessment found an elevated susceptibility to contamination for this source of drinking water. The amount of pasture in the assessment area results in a high potential for protozoa contamination. There is also a high density of sanitary wastewater discharges which results in elevated susceptibility for all contaminate categories. In addition, it appears that the total amount of wastewater discharged to surface water in this assessment area is high enough to further raise the potential for contamination. Non-sanitary wastewater discharges may also contribute to contamination. There is also noteworthy contamination susceptibility associated with other discrete contaminant sources, including hazardous waste sites, landfills and other toxic releases. Finally, it should be noted that relatively high flow velocities make river drinking water supplies highly sensitive to existing and new

sources of microbial contamination. (NYSDOH, Source Water Assessment Program, 2005)

#### Segment Description

This segment includes the portion of the stream and all tribs above unnamed trib (-6) in Wingdale. The waters of this portion of the stream are Class A(T) from unnamed trib (-6) to unnamed trib (-8) and Class C(T) for the remainder of the reach. Tribs to this reach/segment, including Lower Hiller Brook (-11), are Class C,C(T),C(TS). Lower Swamp River is listed separately.

# Wassaic Creek and tribs ( 1601-0024)

NoKnownImpct

## Waterbody Location Information

Revised: 06/23/2008

**Water Index No:** Conn 15-11  
**Hydro Unit Code:** 0110005/480      **Str Class:** C(T)  
**Waterbody Type:** River  
**Waterbody Size:** 53.3 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Housatonic River  
**Reg/County:** 3/Dutchess Co. (14)  
**Quad Map:** AMENIA (N-26-3)

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 8 (No Known Use Impairment)  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** n/a      **Resolution Potential:** n/a  
**TMDL/303d Status:** n/a

## Further Details

### Water Quality Sampling

A biological (macroinvertebrate) assessment of Wassaic Creek in Wassaic (at Route 81) was conducted in 2002. Sampling results indicated non-impacted water quality conditions. The fauna was dominated by caddisflies, riffle beetles and mayflies, with several species of stoneflies also present. (DEC/DOW, BWAM/SBU, June 2005)

### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Armenia Brook (-2), are Class C,C(T),C(TS).

# Webatuck Creek and tribs ( 1601-0026)

NoKnownImpct

## Waterbody Location Information

Revised: 06/30/2008

**Water Index No:** Conn 15-12  
**Hydro Unit Code:** 0110005/480      **Str Class:** C(T)  
**Waterbody Type:** River  
**Waterbody Size:** 84.5 Miles  
**Seg Description:** entire stream and tribs  
**Drain Basin:** Housatonic River  
**Reg/County:** 3/Dutchess Co. (14)  
**Quad Map:** AMENIA (N-26-3)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 8 (No Known Use Impairment)  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:** n/a      **Resolution Potential:** n/a  
**TMDL/303d Status:** n/a

## Further Details

### Water Quality Sampling

Biological (macroinvertebrate) assessments of Webatuck Creek in Wassaic (at Sinpatch Road) and in Leedsville (at Amenia Union Road) were conducted in 2002. Sampling results indicated slightly impacted water quality conditions at both sites. Some nonpoint source nutrient enrichment and siltation was indicated at the downstream site in Wassaic. Gravel mining operations many have contributed to stream turbidity at the time. The upstream site was dominated by riffle beetles and mayflies but also exhibited some effects of nutrient enrichment. However, nutrient biotic evaluation determined these effects on the fauna to be minor. Aquatic life support is considered to be fully supported in the stream, and there are no other apparent water quality impacts to designated uses. (DEC/DOW, BWAM/SBU, December 2004)

### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Mill Brook (-6), Indian Lake Outlet (-11) and Rudd Pond Outlet (-21), are Class C,C(T),C(TS).

# Rudd Pond ( 1601-0001)

# MinorImpacts

## Waterbody Location Information

Revised: 07/21/2008

**Water Index No:** Conn 15-12-21-P1134  
**Hydro Unit Code:** 0110005/480      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 64.0 Acres  
**Seg Description:** entire lake  
**Drain Basin:** Housatonic River  
**Reg/County:** 3/Dutchess Co. (14)  
**Quad Map:** MILLERTON (N-26-2)

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Suspected

### Type of Pollutant(s)

Known: ---  
Suspected: NUTRIENTS (phosphorus)  
Possible: Algal/Weed Growth

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: AGRICULTURE

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 4 (Source Identified, Strategy Needed)  
**Lead Agency/Office:** ext/StPk  
**TMDL/303d Status:** 3a->n/a  
**Resolution Potential:** Medium

## Further Details

### Overview

Recreational uses in Rudd Pond are thought to experience minor impacts and threats due to nutrient loads from nonpoint sources.

### Water Quality Sampling

Rudd Pond has been sampled annually by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP). A more frequent sampling effort was conducted in 2004. These data indicate that the lake is best characterized as mesotrophic, or moderately highly productive. Phosphorus levels in the lake occasionally exceed the state guidance values indicating impacted/stressed recreational uses. Total phosphorus values at the surface are generally between 10 and 30 ug/l; slightly higher levels were measured in deeper waters. Corresponding transparency measurements typically meet what is the recommended minimum for swimming beaches. Measurements of pH are somewhat high but typically fall within the state water quality range of 6.5 to 8.5. (NYS OPRHP, June 2008)

### Lake Uses

This lake waterbody is designated class C, suitable for general recreation use and aquatic life support, but not for water supply or public bathing. However a portion of the pond is designated as a public bathing area. Water quality monitoring by OPRHP focuses primarily on support of general recreation and aquatic life. Samples to evaluate the bacteriological condition and bathing use of the lake is generally the responsibility of state and/or local health

departments.

#### Section 303d Listing

Rudd Pond is currently included on the NYS 2008 Section 303(d) List of Impaired Waters. The lake is included on Part 3a of the List as a Water Requiring Verification of Impairment due to nutrients(phosphorus), however this updated assessment suggests that the suspected impacts to water quality and uses are not sufficient to warrant continued listing. Rudd Pond was first included on the Section 303(d) List in 1998; a listing that pre-dates the development of the NYS Consolidated Assessment and Listing Methodology and the more rigorous assessment of waters to evaluate impairment. (DEC/DOW, BWAM/WQAS, June 2008)