



## West Stony Creek Watershed (0202000204)

### Water Index Number

H-369-P127-46  
H-369-P127-46  
H-369-P127-46- 3-P155  
H-369-P127-46- 8  
H-369-P127-46- 8-3-P156  
H-369-P127-46- 9-P164,P165  
H-369-P127-46-10-1-P165a  
H-369-P127-46-12-P168

### Waterbody Segment

West Stony Creek, Lower, and tribs (1104-0130)  
West Stony Creek, Upper, and tribs (1104-0131)  
Mud Lake (1104-0132)  
North Branch West Stony Creek and tribs (1104-0133)  
Woods Lake (1104-0134)  
Chase Lake, Mud Lake (1104-0135)  
Racker Vly (1104-0136)  
Holmes Lake (1104-0006)

### Category

NoKnownImpct  
UnAssessed  
UnAssessed  
NoKnownImpct  
UnAssessed  
Impaired Seg  
UnAssessed  
Impaired Seg

# West Stony Creek, Lower, and tribs (1104-0130)

NoKnownImpct

## Waterbody Location Information

Revised: 07/08/2005

**Water Index No:** H-369-P127-46  
**Hydro Unit Code:** 02020002/070      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 45.1 Miles  
**Seg Description:** stream and tribs from mouth to Pinnacle

**Drain Basin:** Upper Hudson River  
Sacandaga River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** JACKSON SUMMIT (I-23-2)

## 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  
**TMDL/303d Status:** n/a ( )

**Resolution Potential:**

## Further Details

A biological (macroinvertebrate) assessment of West Stony Creek near Benson (at West Stony Creek Road) was conducted in 2001. Sampling results indicated non-impacted water quality conditions. There was an abundance of clean-water mayflies, stoneflies, and caddisflies. (DEC/DOW, BWAR/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to North Branch (-8) near Pinnacle. The waters of the stream are Class C. Tribs to this reach/segment, including Hatch Brook (-1), are primarily Class C,C(T). North Branch and Upper West Stony Creek are listed separately.

# North Branch West Stony Creek and tribs (1104-0133) NoKnownImpct

## Waterbody Location Information

Revised: 07/08/2005

**Water Index No:** H-369-P127-46- 8  
**Hydro Unit Code:** 02020002/070      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 54.9 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Upper Hudson River  
Sacandaga River  
**Reg/County:** 5/Hamilton Co. (21)  
**Quad Map:** JACKSON SUMMIT (I-23-2)

## 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  
**TMDL/303d Status:** n/a ( )

**Resolution Potential:**

## Further Details

A biological (macroinvertebrate) assessment of North Branch West Stony Creek at Upper Benson (at County Route 6) was conducted in 2001. Sampling results indicated non-impacted water quality conditions. There was an abundance of clean-water mayflies, stoneflies, and caddisflies. (DEC/DOW, BWAR/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment are also Class C,C(T).

# Chase Lake, Mud Lake (1104-0135)

# Impaired Seg

## Waterbody Location Information

Revised: 12/11/2006

**Water Index No:** H-369-P127-46- 9-P164,P165  
**Hydro Unit Code:** 02020002/070      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 64.1 Acres  
**Seg Description:** total area of both lakes

**Drain Basin:** Upper Hudson River  
Sacandaga River  
**Reg/County:** 5/Fulton Co. (18)  
**Quad Map:** JACKSON SUMMIT (I-23-2)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
FISH CONSUMPTION	Impaired	Known

### Type of Pollutant(s)

Known: METALS (mercury)  
Suspected: ---  
Possible: ---

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

Known: ---  
Suspected: ATMOSPH. DEPOSITION  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 4 (Source Identified, Strategy Needed)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 2b (Multiple Segment/Categorical Water, Fish Consumption))

**Resolution Potential:** Low

## Further Details

Fish consumption in Chase Lake is impaired due to a NYS DOH health advisory that recommends eating no more than one meal per month of larger yellow perch (over 9 inches) because of elevated mercury levels. The source of mercury is considered to be atmospheric deposition, as there are not other apparent sources in the lake watershed. The advisory for this lake was first issued in 2005-06. (2006-07 NYS DOH Health Advisories and DEC/FWMR, Habitat, December 2006).

This waterbody is included on the NYS 2006 Section 303(d) List of Impaired Waters. The lake was included on Part 2b of the List as a Fish Consumption Water.

Chase Lake (P164) is 64.0 acres; Mud Lake (P165) is 6.4 acres.

# Holmes Lake (1104-0006)

# Impaired Seg

## Waterbody Location Information

Revised: 12/08/2006

**Water Index No:** H-369-P127-46-12-P168  
**Hydro Unit Code:** 02020002/070      **Str Class:** N  
**Waterbody Type:** Lake  
**Waterbody Size:** 19.3 Acres  
**Seg Description:** entire lake

**Drain Basin:** Upper Hudson River  
Sacandaga River  
**Reg/County:** 5/Fulton Co. (18)  
**Quad Map:** CAROGA LAKE (I-23-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Known

### Type of Pollutant(s)

Known: ACID/BASE (PH)  
Suspected: ---  
Possible: ---

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

Known: ATMOSPH. DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 4 (Source Identified, Strategy Needed)  
**Lead Agency/Office:** ext/EPA  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep))

**Resolution Potential:** Low

## Further Details

Aquatic life support in Holmes Lake is known to be impaired by low pH, a result of atmospheric deposition (acid rain).

Historical surveys of the lake indicate that low pH due to acid deposition is limiting the fishery. Monitoring by DFW (1979) revealed a pH <5.0. Aquatic life is considered to be impaired. This waterbody is included on the NYS 2006 Section 303(d) List of Impaired Waters. The lake was included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAR, 2006)

Efforts are underway on a national level to address problems caused by acid rain by reducing pollutant emissions, as required by the Clean Air Act. New York State (and other northeastern states) have taken legal action against USEPA to accelerate implementation of controls. Monitoring of these waters will continue, in order to assess changes in water quality resulting from implementation of the Clean Air Act. However, these changes are expected to occur only slowly over time.

In 2006, NYSDEC established and USEPA approved a TMDL to address acid rain impairment to 143 Adirondack lakes that are located in NYS Forest Preserve lands, including Holmes Lake. Recognizing that the available pH data for many of these lakes is 20-30 years old, the TMDL outlines a phased/adaptive management approach, that initially

relies heavily on monitoring and assessment to determine current conditions, modeling refinements to estimate future conditions, and the implementation of statewide, regional and national efforts to reduce atmospheric loadings causing the impairment. (Impaired Water Restoration Plan/TMDL for Acid Rain Lakes (NYS Forest Preserve, DEC/DOW, BWAM, August 2006)