



## Black River Headwaters Watershed (0415010101)

### Water Index Number

Ont 19 (portion 8)/P984a  
 Ont 19 (portion 9)  
 Ont 19-105 thru 112  
 Ont 19-111- 2-P987,P988  
 Ont 19-114  
 Ont 19-114  
 Ont 19-114- 2-P991  
 Ont 19-114..P995,P996  
 Ont 19-119  
 Ont 19-119-P1000  
 Ont 19-121-P1001,-122-P1002  
 Ont 19-128- 6-P1003  
 Ont 19-128-P1004  
 Ont 19-P1007  
 Ont 19-P1007-  
 Ont 19-P1007..P1008 thru P1016

### Waterbody Segment

[Kayuta Lake \(0801-0204\)](#)  
[Black River, Upper, and minor tribs \(0801-0237\)](#)  
 Minor Tribs to Kayuta Lake (0801-0442)  
 Evans Pond, Lake Julia (0801-0443)  
[Little Black Creek, Lower, and tribs \(0801-0236\)](#)  
 Little Black Creek, Upper, and tribs (0801-0445)  
 Maple Lake (0801-0446)  
[Burp Lake, Black Creek Lake \(0801-0139\)](#)  
 Twin Lakes Stream and tribs (0801-0447)  
 Twin Lakes Reservoir (0801-0060)  
 Mink Lake, Reed Pond (0801-0448)  
[Little Salmon Lake \(0801-0140\)](#)  
 South Lake (0801-0449)  
[North Lake \(0801-0451\)](#)  
 Tribs to North Lake (0801-0452)  
[Minor Lakes Trib to North Lake \(0801-0080\)](#)

### Category

NoKnownImpct  
 NoKnownImpct  
 UnAssessed  
 UnAssessed  
 NoKnownImpct  
 UnAssessed  
 UnAssessed  
 Impaired Seg  
 UnAssessed  
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 Impaired Seg  
 UnAssessed  
 Impaired Seg

# Kayuta Lake (0801-0204)

NoKnownImpct

## Waterbody Location Information

Revised: 03/12/2007

**Water Index No:** Ont 19 (portion 8)/P984a      **Drain Basin:** Black River  
**Hydro Unit Code:** 04150101/020      **Str Class:** C(T)      Black River  
**Waterbody Type:** Lake (Mesotrophic)      **Reg/County:** 6/Oneida Co. (33)  
**Waterbody Size:** 473.7 Acres      **Quad Map:** FORESTPORT (H-20-1)  
**Seg Description:** entire lake

## 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

Kayuta Lake has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1997 and continuing through 2001. An Interpretive Summary report of the findings of this sampling was published in 2002. These data indicate that the lake continues to be best characterized as mesotrophic, or moderately productive. Phosphorus levels in the lake rarely exceed the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements typically meet what is recommended for swimming beaches. Measurements of pH typically fall within the state water quality range of 6.5 to 8.5. The lake water is moderately to highly colored, which is also typical of northwestern Adirondack Lakes and may be sufficiently high to influence lake clarity. Oxygen levels do not appear to be significantly reduced at lower lake depths and internal nutrient cycling is not significant. (DEC/DOW, BWAM/CSLAP, August 2002)

Public perception of the lake and its uses is also evaluated as part of the CSLAP program. These assessment indicate recreational suitability of the lake to be very favorable, although the most recent assessments (2001) appeared to be less favorable. The recreational suitability of the lake is described most frequently as "excellent." The lake itself is most often described as "crystal clear" or "not quite crystal clear," an assessment that is higher than suggested by water clarity measurements but that likely reflects the natural condition (color) of the lake. Assessments have noted that aquatic plants (among other factors) impact recreational uses. (DEC/DOW, BWAM/CSLAP, August 2002)

This lake waterbody is designated class C(T), suitable for general recreation use and aquatic life support, but not for use as a water supply or public bathing beach. Water quality monitoring by NYSDEC focuses primarily on support of general recreation and aquatic life.

The Kayuta Lake Association has conducted studies in cooperation with NYSDEC focusing on weed growth, siltation and turbidity. Weed harvesting activities have been considered. Siltation in "back bay" areas is also a concern.

Additionally, although classified as Class C(T), the lake is also used for bathing and swimming. (Oneida County DOH regulates a bathing beach at the Kayuta Lake Campground.) Due to its use as a public bathing area, the lake could be considered for a classification upgrade to a Class B water. However, CSLAP data also indicates that bathing uses may be affected by high chlorophyll a and naturally low water clarity (DEC/DOW, BWAM, January 1999).

Some residences may be using lake water for drinking water as well. Inadequate on-site septic systems may be affecting these "unofficial" uses also.

There is considerable local concern regarding residential development and additional development pressure along the lake front (particularly the northwest end of the lake). The soils immediately adjacent to the lake have severe limitations for septic absorption fields due to poor filtering capacity and slope. The Kayuta Lake Association has requested training and guidance on the Clean Lakes Program in an effort to address individual septic system problems.

Voluntary dye testing has been offers to residents but concern about publicity, regulatory enforcement and costs limit this program's effectiveness. (Oneida County EMC, April 1998)

# Black River, Upper, and minor tribs (0801-0237)

NoKnownImpct

## Waterbody Location Information

Revised: 01/05/2007

**Water Index No:** Ont 19 (portion 9)      **Drain Basin:** Black River  
**Hydro Unit Code:** 04150101/020      **Str Class:** C(T)      Black River  
**Waterbody Type:** River      **Reg/County:** 6/Herkimer Co. (22)  
**Waterbody Size:** 74.7 Miles      **Quad Map:** FORESTPORT (H-20-1)  
**Seg Description:** stream and select tribs, above Kayuta Lake

## 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

Biological (macroinvertebrate) screening of the Upper Black River conducted in 1996 near Enos revealed a resident invertebrate fauna that was diverse and met screening criteria. Non-impacted water quality was clearly indicated. (DEC/DOW, BWAM, SBU, 1996)

This segment includes the total length of selected/smaller tribs to the Black River above Kayuta Lake (P984a). The waters of this portion of the river are Class C (T). Tribs to this reach/segment, including Otter Brook (-122) and South Branch Black River (-128), primarily Class C(T). Little Black Creek (-114) and Twin Lakes Stream (-119) are listed separately.



combination of periodic low pH measurements, other parameters of concern and water toxicity suggests continued monitoring of conditions is warranted. (DEC/DOW, BWAM/RIBS, January 2005)

Biological (macroinvertebrate) screening of Little Black Creek near Bardwell Mill (at Roberts Road) were conducted in 2002 and 1996. Sampling results indicated non-impacted water quality conditions in most recent years and slightly impacted conditions in 1996. Sampling habitat of rock and rubble imbedded in sand was less than ideal but three of four indices were clearly in the range of non-impacted water quality for 2002. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to/including Hare Brook (-6) in Wheelertown. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Muskrat Brook (-2) and Hare Brook (-6), are Class C,C(T). Upper Little Black Creek is listed separately.

# Burp Lake, Black Creek Lake (0801-0139)

Impaired Seg

## Waterbody Location Information

Revised: / /

**Water Index No:** Ont 19-114..P995,P996      **Drain Basin:** Black River  
**Hydro Unit Code:** 04150101/020      **Str Class:** C(T)      Black River  
**Waterbody Type:** Lake      **Reg/County:** 6/Herkimer Co. (22)  
**Waterbody Size:** 108.9 Acres      **Quad Map:** OHIO (H-21-0)  
**Seg Description:** total area of both lake

## 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      **Resolution Potential:** Low  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

## Further Details

Aquatic life support in Burp Lake and other waters of this segment is known to be impaired by low pH, a result of atmospheric deposition (acid rain).

Historical surveys of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1985) revealed a pH <5.0 and no presence of fish. Aquatic life in this segment is considered to be impaired. The waters of this segment are included on the NYS 2006 Section 303(d) List of Impaired Waters. Burp Lake was included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. Cotton Lake (P994) is also included on the 2006 Section 303(d) List in Appendix A as a Smaller Lake Impaired by Acid Rain. (DEC/DOW, BWAM, 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.

This segment includes Cotton Lake (P994).

# Little Salmon Lake (0801-0140)

# Impaired Seg

## Waterbody Location Information

Revised: / /

**Water Index No:** Ont 19-128- 6-P1003      **Drain Basin:** Black River  
**Hydro Unit Code:** 04150101/020      **Str Class:** C(T)      Black River  
**Waterbody Type:** Lake      **Reg/County:** 6/Herkimer Co. (22)  
**Waterbody Size:** 32.1 Acres      **Quad Map:** OHIO (H-21-0)  
**Seg Description:** entire lake

## 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      **Resolution Potential:** Low  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

## Further Details

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

Historical surveys of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by DFW (1974) and ALSC (1985) revealed a pH between 5.5 and 6.0 and no presence of fish. Aquatic life in this segment is considered to be impaired. The waters of this segment are included on the NYS 2006 Section 303(d) List of Impaired Waters. Little Salmon Lake is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 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.

# North Lake (0801-0451)

# Impaired Seg

## Waterbody Location Information

Revised: 03/09/2006

**Water Index No:** Ont 19-P1007  
**Hydro Unit Code:** 04150101/020      **Str Class:** A(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 441.6 Acres  
**Seg Description:** entire lake

**Drain Basin:** Black River  
**Reg/County:** 6/Herkimer Co. (22)  
**Quad Map:** OLD FORGE (G-21-0)

## 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 North Lake is known to be impaired by mercury contamination, a result of atmospheric deposition.

Fish consumption in North Lake is impaired due to a NYS DOH health advisory that recommends eating no more than one meal per month of yellow perch 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 2004-05. (2006-07 NYS DOH Health Advisories and DEC/DFWMR, Habitat, December 2006).

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

# Minor Lakes Trib to North Lake (0801-0080)

Impaired Seg

## Waterbody Location Information

Revised: / /

**Water Index No:** Ont 19-P1007..P1008 thru P1016      **Drain Basin:** Black River  
**Hydro Unit Code:** 04150101/020      **Str Class:** C(T)      Black River  
**Waterbody Type:** Lake      **Reg/County:** 6/Herkimer Co. (22)  
**Waterbody Size:** 52.3 Acres      **Quad Map:** OLD FORGE (G-21-0)  
**Seg Description:** total area of all selected lakes

## 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      **Resolution Potential:** Low  
**TMDL/303d Status:** 2a (Multiple Segment/Categorical Water, Atmosph Dep)

## Further Details

Aquatic life support in the waters of this segment is known to be impaired by low pH, a result of atmospheric deposition (acid rain).

Historical surveys of these lakes indicate that low pH due to acid deposition is limiting the fishery. Monitoring by DFW (1975) and ALSC (1984-85) revealed a pH <5.0 and no presence of fish. Aquatic life in this segment is considered to be impaired. The waters of this segment are included on the NYS 2006 Section 303(d) List of Impaired Waters. Snyder and Monument Lakes are included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. Gooseneck Lake (P1010) and unnamed pond (P1016) are also included on the 2006 Section 303(d) List in Appendix A as a Smaller Lake Impaired by Acid Rain. (DEC/DOW, BWAM, 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 Monument Lake and Gooseneck 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)

This segment includes multiple lakes/ponds within the North Lake Watershed; including Mud Pond (P1008), Gooseneck (P1010), Snyder Lake (P1011), Monument Lake (P1012) and Hardscrabble Lake (P1015).