



Black River/Sugar River Watershed (0415010103)

Water Index Number	Waterbody Segment	Category
Ont 19 (portion 6)	Black River, Middle, Main Stem (0801-0038)	NoKnownImpct
Ont 19 (portion 7)/P944,P934	Forestport Reservoir, Alder Pond (0801-0253)	UnAssessed
Ont 19- 82	Black River Canal and minor tribs (0801-0402)	UnAssessed
Ont 19- 82- 5	Black River Canal Trib, Upper, and tribs (0801-0403)	UnAssessed
Ont 19- 83 thru 93 (selected)	Minor Tribs to Middle Black River (0801-0404)	UnAssessed
Ont 19- 83- 3	Cold Brook Tribs, Upper, and tribs (0801-0405)	UnAssessed
Ont 19- 88	Fall Brook and tribs (0801-0406)	UnAssessed
Ont 19- 88-P905	Barnes Lake (0801-0134)	Impaired Seg
Ont 19- 88-P907	Round Pond (0801-0407)	Impaired Seg
Ont 19- 90	Mile Brook and tribs (0801-0408)	UnAssessed
Ont 19- 90-P910	Buck Pond (0801-0409)	UnAssessed
Ont 19- 91	Sugar River, Lower, and minor tribs (0801-0231)	MinorImpacts
Ont 19- 91	Sugar River, Upper, and tribs (0801-0411)	NoKnownImpct
Ont 19- 91- 1	Moose Creek and tribs (0801-0232)	NoKnownImpct
Ont 19- 91-10	Sugar River Trib, Upper (0801-0413)	UnAssessed
Ont 19- 92	Mill Creek and tribs (0801-0201)	NoKnownImpct
Ont 19- 94	North Branch and minor tribs (0801-0233)	NoKnownImpct
Ont 19- 94- 1(-1)	Long Lake Outlet/Cumming Cr, and tribs (0801-0415)	NoKnownImpct
Ont 19- 94- 1- 2-P920	Round Lake (0801-0416)	UnAssessed
Ont 19- 94- 1- 4-P921	Deer Pond (0801-0417)	UnAssessed
Ont 19- 94- 1-P922	Long Lake (0801-0418)	UnAssessed
Ont 19- 94- 1-P922-	Tribs to Long Lake (0801-0419)	UnAssessed
Ont 19- 94- 1-P922- 1-P923	Brandy Lake (0801-0420)	UnAssessed
Ont 19- 94- 1-P922- 4-P926	Otter Lake (0801-0205)	MinorImpacts

Water Index Number

Ont 19- 94- 4-P927
Ont 19- 95 thru 102 (selected)
Ont 19- 98
Ont 19- 99
Ont 19-103

Waterbody Segment

Mudhole (0801-0421)
Minor Tribs to Middle Black River (0801-0455)
[Kents Creek and tribs \(0801-0422\)](#)
Crystal Creek, Upper (0801-0423)
[Alder Creek and tribs \(0801-0424\)](#)

Category

UnAssessed
UnAssessed
NoKnownImpct
UnAssessed
NoKnownImpct

Black River, Middle, Main Stem (0801-0038)

NoKnownImpct

Waterbody Location Information

Revised: 01/05/2007

Water Index No: Ont 19 (portion 6) **Drain Basin:** Black River
Hydro Unit Code: 04150101/*** **Str Class:** C(T) Black River
Waterbody Type: River **Reg/County:** 6/Lewis Co. (25)
Waterbody Size: 22.3 Miles **Quad Map:** BRANTINGHAM (G-19-2)
Seg Description: from Lyons Falls to Forestport

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

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the Black River at Hawkinsville Road in Hawkinsville, Oneida County, was conducted 2003. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. Biological (macroinvertebrate) sampling was not conducted in 2003, but samples taken during biological screening in 2002 revealed slightly impacted water quality, with the impacts likely caused by nonpoint source nutrient enrichment. Previous biological sampling in 1996 found non-impacted conditions. The fish community was also assessed and was found to reflect good water quality. Water column sampling during 2003 revealed mercury and aluminum to be parameters of concern; results that are not unusual for a region of the state typically impacted by atmospheric deposition and acid rain but that should continue to be monitored. Analysis of sediments found cadmium, zinc, and PAHs (pyrene) in elevated concentrations, but based on sediment quality guidelines developed for freshwater ecosystems, overall sediment quality is not likely to cause chronic toxicity to sediment-dwelling organisms. Macroinvertebrate (hellgrammite) tissue collected in 2003 and analyzed for pesticides, PAHs, and PCBs, were not found to contain any of the compounds above levels of detection. Toxicity testing of water column, sediment assessment and macroinvertebrate tissue analysis showed no significant impacts. Toxicity testing of sediments indicated some possible impacts. Taken together, these results indicate no significant water quality impacts and uses of the stream are considered to be fully supported. (DEC/DOW, BWAM/RIBS, January 2005)

Barnes Lake (0801-0134)

Impaired Seg

Waterbody Location Information

Revised: / /

Water Index No:	Ont 19- 88-P905	Drain Basin:	Black River
Hydro Unit Code:	04150101/100	Str Class:	C
Waterbody Type:	Lake	Reg/County:	6/Lewis Co. (25)
Waterbody Size:	6.4 Acres	Quad Map:	MCKEEVER (G-20-0)
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 Barnes Lake 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. Barnes 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.

Round Pond (0801-0407)

Impaired Seg

Waterbody Location Information

Revised: 12/24/2004

Water Index No:	Ont 19- 88-P907	Drain Basin:	Black River
Hydro Unit Code:	04150101/100	Str Class:	C(T) Black River
Waterbody Type:	Lake	Reg/County:	6/Lewis Co. (25)
Waterbody Size:	13.1 Acres	Quad Map:	MCKEEVER (G-20-0)
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	Suspected

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: ---
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*

Resolution Potential: Low

Further Details

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

Historical surveys of some of these waters indicate that low pH due to acid deposition is limiting the fishery. Monitoring by DFW (1979) 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. Unnamed pond P906 was included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water in Appendix A as a Smaller Lake Impaired by Acid Rain. Because there is no data indicating impact on the larger Round Pond, impairment to this segment is listed as suspected. (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 unnamed pond P906.

Sugar River, Upper, and tribs (0801-0411)

NoKnownImpct

Waterbody Location Information

Revised: 01/10/2007

Water Index No: Ont 19- 91 **Drain Basin:** Black River
Hydro Unit Code: 04150101/040 **Str Class:** C(T) Black River
Waterbody Type: River **Reg/County:** 6/Lewis Co. (25)
Waterbody Size: 57.1 Miles **Quad Map:** CONSTABLEVILLE (G-19-4)
Seg Description: stream and tribs, above Constableville

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

A biological (macroinvertebrate) assessment of this portion of Sugar River in Constableville (at Highmarket Street) was conducted in 2002. Sampling results indicated non-impacted water quality conditions. The fauna was dominated by clean-water mayflies, stoneflies and caddisflies. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs above White River (-7) in Constableville. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment are Class C,C(T). A small portion of unnamed tribs (-10) is listed separately.

Moose Creek and tribs (0801-0232)

NoKnownImpct

Waterbody Location Information

Revised: 01/10/2007

Water Index No: Ont 19- 91- 1
Hydro Unit Code: 04150101/040 **Str Class:** C
Waterbody Type: River
Waterbody Size: 40.6 Miles
Seg Description: entire stream and tribs

Drain Basin: Black River
Black River
Reg/County: 6/Oneida Co. (33)
Quad Map: PORT LEYDEN (G-19-3)

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

Biological (macroinvertebrate) assessments of Moose Creek near Talcottville (at East Road) were conducted in 2002 and 1996. Sampling results indicated non-impacted water quality conditions. The resident invertebrate fauna was diverse and well-balanced. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment, including North Branch Moose Creek (-4) and South Branch Moose Creek (-5), are Class C,C(T),C(TS).

reach/segment are also Class C,C(T).

North Branch and minor tribs (0801-0233)

NoKnownImpct

Waterbody Location Information

Revised: 01/10/2007

Water Index No: Ont 19- 94
Hydro Unit Code: 04150101/030 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 10.6 Miles
Seg Description: entire stream and select tribs

Drain Basin: Black River
Reg/County: 6/Oneida Co. (33)
Quad Map: MCKEEVER (G-20-0)

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) assessments of North Branch of Long Lake Outlet near Boonville (at Smith Road) were conducted in 2002 and 1996. Sampling results indicated non-impacted water quality conditions. The substrate was less than ideal with primarily gravel and sand and some rubble. But the invertebrate fauna was diverse and screening criteria indicating waters that have no known impact were met. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and selected/smaller tribs. The waters of the stream are Class C(T). Tribs to this reach/segment are Class C,C(T). Long Lake Outlet (-1) is listed separately.

Long Lake Outlet/Cumming Cr, and tribs (0801-0415) NoKnownImpct

Waterbody Location Information

Revised: 01/10/2007

Water Index No: Ont 19- 94- 1(-1) **Drain Basin:** Black River
Hydro Unit Code: 04150101/030 **Str Class:** C(T) Black River
Waterbody Type: River **Reg/County:** 6/Oneida Co. (33)
Waterbody Size: 18.7 Miles **Quad Map:** MCKEEVER (G-20-0)
Seg Description: entire stream and tribs

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

A biological (macroinvertebrate) assessment of Cummings Creek in Hawkinsville (at Smith Road) was conducted in 2002. Sampling results indicated non-impacted water quality conditions. The fauna included many clean-water mayflies, stoneflies and caddisflies. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(T). Tribs to this reach/segment, including Cumming Creek (-1), are Class C,C(T). Long Lake Tribs are listed separately.

Otter Lake (0801-0205)

Minor Impacts

Waterbody Location Information

Revised: 03/12/2007

Water Index No: Ont 19- 94- 1-P922- 4-P926
Hydro Unit Code: 04150101/030 **Str Class:** A
Waterbody Type: Lake (Mesotrophic)
Waterbody Size: 134.4 Acres
Seg Description: entire lake

Drain Basin: Black River
Reg/County: 6/Oneida Co. (33)
Quad Map: MCKEEVER (G-20-0)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Known

Type of Pollutant(s)

Known: ALGAL/WEED GROWTH (aquatic weeds)
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: HYDRO MODIFICATION
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC
TMDL/303d Status: n/a

Resolution Potential: Medium

Further Details

Recreational uses in Otter Lake are known to experience minor impacts due to excessive weed growth. High weed densities and associated impacts have been reported through the CSLAP program and verified by DEC staff.

Otter Lake has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1992 thru 1996 and in 2002 and continuing through the present. An Interpretive Summary report of the findings of this sampling was published in 2006. These data indicate that the lake continues to be best characterized as mesotrophic, or moderately productive. Phosphorus levels in the lake fall well below the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements also 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 likely reflects natural conditions. Oxygen levels do not appear to be significantly reduced at lower lake depths and internal nutrient cycling is not significant. (DEC/DOW, BWAM/CSLAP, June 2006)

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 unfavorable. The recreational suitability of the lake is described most frequently as "slightly" to "substantially" impacted. The lake itself is most often described as having "definite algal

greenness." Assessments have noted that aquatic plants regularly grow to the lake surface. Recreational impacts stem from excessive weed growth, and poor water clarity, as a result of occasionally elevated algae levels and naturally high water color, and despite nutrient levels that remain low. It is likely that these impacts are associated with excessive growth of bladderwort (a weakly rooted plant) in the lake. (DEC/DOW, BWAM/CSLAP, June 2006)

This lake waterbody is designated class A, suitable for use as a water supply, public bathing beach, general recreation and aquatic life support. Water quality monitoring by NYSDEC focuses primarily on support of general recreation and aquatic life. Samples to evaluate the bacteriological condition and bathing use of the lake or to evaluate contamination from organic compounds, metals or other inorganic pollutants have not been collected as part of the CSLAP monitoring program. Monitoring to assess potable water supply and public bathing use is generally the responsibility of state and/or local health departments.

Kents Creek and tribs (0801-0422)

NoKnownImpct

Waterbody Location Information

Revised: 01/10/2007

Water Index No: Ont 19- 98
Hydro Unit Code: 04150101/020 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 18.3 Miles
Seg Description: entire stream and tribs

Drain Basin: Black River
Reg/County: 6/Oneida Co. (33)
Quad Map: BOONVILLE (H-19-2)

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 **Resolution Potential:** n/a
TMDL/303d Status: n/a

Further Details

A biological (macroinvertebrate) assessment of Kent Creek in Hawkinsville (at LaChausse/Hays Road) was conducted in 2002. Sampling results indicated non-impacted water quality conditions. The macroinvertebrate fauna was dominated by clean-water organisms and screening criteria indicating waters with no known impacts were met. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(T). Tribs to this reach/segment, including Forbes/East Kents Creek, are Class C(T),C(TS).

Alder Creek and tribs (0801-0424)

NoKnownImpct

Waterbody Location Information

Revised: 01/10/2007

Water Index No: Ont 19-103
Hydro Unit Code: 04150101/020 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 12.5 Miles
Seg Description: entire stream and tribs

Drain Basin: Black River
Reg/County: 6/Oneida Co. (33)
Quad Map: FORESTPORT (H-20-1)

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

A biological (macroinvertebrate) assessment of Alder Creek in Alder Creek (at Egypt Road) was conducted in 2002. Sampling results indicated non-impacted water quality conditions. The a diversity of clean-water macroinvertebrates were found and screening criteria indicating waters with no known impacts were met. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(T),C(TS). Tribs to this reach/segment, including Black River Feeder Canal (-1a), are Class C,C(T).