



Summer Brook – Saranac River (0415040602)

C- 15-51
 C- 15-54
 C- 15-54-P 83,P 84
 C- 15-P 86
 C- 15-P 86-59-P 88
 C- 15-P 86-P 90
 C- 15-P 86-P 90-60
 C- 15-P 86-P 90-60-
 C- 15-P 86-P 90-64-P100

Towbridge Brook and tribs(1003-0070)
 Moose Creek and tribs (1003-0118)
 Moose Pond, Grass Pond (1003-0069)
 Lake Flower (1003-0046)
 McKenzie Pond (1003-0072)
 Oseetah Lake (1003-0073)
 Ray Brook and tribs (1003-0074)
 Ray Brook Tribs (1004-0097)
 Kiwassa Lake (1003-0076)

NoKnownImpct
 UnAssessed
NoKnownImpct
NoKnownImpct
NoKnownImpct
 UnAssessed
NoKnownImpct
NoKnownImpct
NoKnownImpct

Towbridge Brook and tribs (1003-0070)

NoKnownImpct

Waterbody Location Information

Revised: 06/09/2009

Water Index No: C- 15-51
Hydro Unit Code: 02010006/010 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 61.8 Miles
Seg Description: entire stream and tribs

Drain Basin: Lake Champlain
Great Chazy/Saranac
Reg/County: 5/Essex Co. (16)
Quad Map: BLOOMINGDALE (D-24-A)

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 Towbridge Brook in Bloomingdale (at Route 55) was conducted as part of the RIBS biological screening effort in 2003. Sampling results indicated slightly impacted conditions. Some replacement of sensitive ubiquitous species by more tolerant species was noted although the sample included a balanced distribution of all expected species. Even these limited impacts are thought to be influenced by less than ideal sampling habitat. Slow-moving water and an upstream wetland (a beaver dam was also noted) likely skew the results toward suggesting greater level of impact than actually occurs. No significant enrichment was noted and specific conductance was fairly low. Aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAM/SBU, January 2009)

Monitoring of small ponds in this segment by the Adirondack Lake Survey Corporation (ALSC) lake monitoring and assessment effort conducted in the mid-1980s (1984-86). Generally these were one-time samples analyzed for variety of parameters, including total phosphorus, pH and water color. Monitoring by ALSC revealed very low pH in unnamed ponds (P79, P80) and Marsh Pond (P81). (DEC, DOW, BWAM/WQAS, January 2009 and ALSC, 1984-86)

Water Quality Management

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.

Section 303(d) Listing

Marsh Pond (P81) and unnamed ponds (P79, P80) are included on the NYS 2008 Section 303(d) List of Impaired Waters in Appendix A as a Smaller Lakes Impaired by Acid Rain. (DEC/DOW, BWAM, 2008)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C(T). Tribs to this reach/segment, including Lyons Brook (-1) and Negro Brook (-2), are also Class C(T). The segment also includes smaller Marsh Pond (P81) and unnamed ponds (P79, P80).

Moose Pond, Grass Pond (1003-0069)

NoKnownImpct

Waterbody Location Information

Revised: 09/27/2000

Water Index No: C- 15-54-P 83,P 84
Hydro Unit Code: 02010006/010 **Str Class:** A(T)
Waterbody Type: Lake
Waterbody Size: 172.5 Acres
Seg Description: entire lake

Drain Basin: Lake Champlain
Great Chazy/Saranac
Reg/County: 5/Essex Co. (16)
Quad Map: SARANAC LAKE (D-24-B)

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

Monitoring of Moose Pond and Grass Pond was included in the Adirondack Lake Survey Corporation (ALSC) lake monitoring and assessment effort conducted in the mid-1980s (1984-86). Generally these were one-time samples analyzed for variety of parameters, including total phosphorus, pH and water color. These data revealed no indication of impacts to aquatic life support or recreational use at the time. Because the data is limited to single samples and collected more than 20 years ago, this assessment is considered to be evaluated, rather than monitored. (DEC, DOW, BWAM/WQAS, January 2009 and ALSC, 1984-86)

Lake Flower (1003-0046)

NoKnownImpct

Waterbody Location Information

Revised: 03/04/2009

Water Index No:	C- 15-P 86	Drain Basin:	Lake Champlain
Hydro Unit Code:	02010006/010	Str Class:	AA
Waterbody Type:	Lake		Great Chazy/Saranac
Waterbody Size:	312.8 Acres	Reg/County:	5/Essex Co. (16)
Seg Description:	entire lake	Quad Map:	SARANAC LAKE (D-24-B)

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

Lake Flower was included 1987 NYSDEC Lake Classification and Inventory (LCI) monitoring effort. The LCI program collects samples for evaluating lake trophic status and evaluates recreational suitability. Results of this study found no evidence of water quality impacts at the time. Because this data was collected more than 10 years ago, this assessment is considered to be evaluated, rather than monitored. (DEC/DOW, BWAM/Lake Services, December 2000)

Monitoring of Lake Flower was included in the Adirondack Lake Survey Corporation (ALSC) lake monitoring and assessment effort conducted in the mid-1980s (1984-86). Generally these were one-time samples analyzed for variety of parameters, including total phosphorus, pH and water color. These data revealed no indication of impacts to aquatic life support or recreational use at the time. Because the data is limited to single samples and collected more than 20 years ago, this assessment is considered to be evaluated, rather than monitored. (DEC, DOW, BWAM/WQAS, January 2009 and ALSC, 1984-86)

Previous Assessment

Concerns regarding possible impacts from reported growths of Eurasian milfoil in the lake were reported in a previous assessment of the lake. These conditions should be verified. (Essex County WQCC, June 2000)

Segment Description

This segment includes the total area of Silver Lake (P73).

McKenzie Pond (1003-0072)

NoKnownImpct

Waterbody Location Information

Revised: 09/27/2000

Water Index No:	C- 15-P 86-59-P 88	Drain Basin:	Lake Champlain
Hydro Unit Code:	02010006/010	Str Class:	AA(T)
Waterbody Type:	Lake		Great Chazy/Saranac
Waterbody Size:	239.9 Acres	Reg/County:	5/Essex Co. (16)
Seg Description:	entire lake	Quad Map:	SARANAC LAKE (D-24-B)

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

Monitoring of McKenzie Pond was included in the Adirondack Lake Survey Corporation (ALSC) lake monitoring and assessment effort conducted in the mid-1980s (1984-86). Generally these were one-time samples analyzed for variety of parameters, including total phosphorus, pH and water color. These data revealed no indication of impacts to aquatic life support or recreational use at the time. Because the data is limited to single samples and collected more than 20 years ago, this assessment is considered to be evaluated, rather than monitored. (DEC, DOW, BWAM/WQAS, January 2009 and ALSC, 1984-86)

Ray Brook and tribs (1003-0074)

NoKnownImpct

Waterbody Location Information

Revised: 02/06/2009

Water Index No: C- 15-P 86-P 90-60
Hydro Unit Code: 02010006/010 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 20.8 Miles
Seg Description: entire stream and tribs

Drain Basin: Lake Champlain
Great Chazy/Saranac
Reg/County: 5/Essex Co. (16)
Quad Map: SARANAC LAKE (D-24-B)

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 Ray Brook in Ray Brook (at Route 86) was conducted as part of the RIBS biological screening effort in 2003. Sampling results indicated slightly impacted conditions. The community is slightly altered from natural conditions. Some sensitive species have been lost and the overall abundance of macroinvertebrates is lower. However, the effects on the fauna were determined to be relatively insignificant and water quality is considered to be good. The nutrient biotic index and impact source determination indicates low enrichment in the stream and similarity to natural communities. 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, January 2009)

Monitoring of smaller ponds in the Ray Brook watershed was included in the Adirondack Lake Survey Corporation (ALSC) lake monitoring and assessment effort conducted in the mid-1980s (1984-86). Generally these were one-time samples analyzed for variety of parameters, including total phosphorus, pH and water color. These data revealed no indication of impacts to aquatic life support or recreational use at the time. Because the data is limited to single samples and collected more than 20 years ago, this assessment is considered to be evaluated, rather than monitored. (DEC, DOW, BWAM/WQAS, January 2009 and ALSC, 1984-86)

Segment Description

This segment includes the stream and tribs from the mouth to the water supply dams on Upper Little Ray Brook (-1) and

unnamed trib (-6). The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Lower Little Ray Brook (-1), are also Class C,C(T). This segment also includes smaller ponds Ray Brook Pond (P91), Wolf Pond (P94), Otter Pond (P95) and unnamed ponds (P92, P93). Upper Little Ray Brook and other unnamed water supply tribs are listed separately.

Ray Brook Tribs (1004-0097)

NoKnownImpct

Waterbody Location Information

Revised: 06/01/2009

Water Index No: C- 15-P 86-P 90-60-
Hydro Unit Code: **Str Class:** A(T)
Waterbody Type: River (Low Flow)
Waterbody Size: 0.0 Miles
Seg Description:

Drain Basin: Lake Champlain
Reg/County: 5/Essex Co. (16)
Quad Map: ()

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: n/a

Further Details

Source (Drinking) Water Assessment

Source water assessments of a few impoundments in Ray Brook watershed found a moderate susceptibility to contamination for this source of drinking water. This level of susceptibility is typical of many water supplies that experience no impacts to water supply use and reflects the need to protect the resource. This assessment was conducted through the NYSDOH Source Waters Assessment Program (SWAP) which 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 and do not address the quality of treated finished potable tap water. This water supply source provides water to area correctional facilities. (NYSDOH, Source Water Assessment Program, 2005)

Segment Description

This segment includes the total length of selected/smaller tribs to Ray Brook. Tribs within this segment, including Upper Little Ray Brook (above the water supply dam) and portions of unnamed tribs (-6), are designated Class AA(T). This segment also include Alford Pond (P96). The remainder of Ray Brook is listed separately.

Kiwassa Lake (1003-0076)

NoKnownImpct

Waterbody Location Information

Revised: 03/04/2009

Water Index No: C- 15-P 86-P 90-64-P100
Hydro Unit Code: 02010006/010 **Str Class:** AA
Waterbody Type: Lake (Unknown Trophic)
Waterbody Size: 281.4 Acres
Seg Description: entire lake

Drain Basin: Lake Champlain
Great Chazy/Saranac
Reg/County: 5/Franklin Co. (17)
Quad Map: SARANAC LAKE (D-24-B)

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: n/a

Further Details

Water Quality Sampling

Kiwassa Lake was included 1994 NYSDEC Citizen Statewide Lake Assessment Program (CSLAP). CSLAP relies on volunteer monitors to collect samples for evaluating lake trophic status and perception surveys for evaluating recreational suitability. Results of this study found no evidence of water quality impacts at the time. Because this data was collected more than 10 years ago, this assessment is considered to be evaluated, rather than monitored. (DEC/DOW, BWAM/Lake Services, December 2000)

Segment Description

This segment includes the total area of Kiwassa Lake (P100).