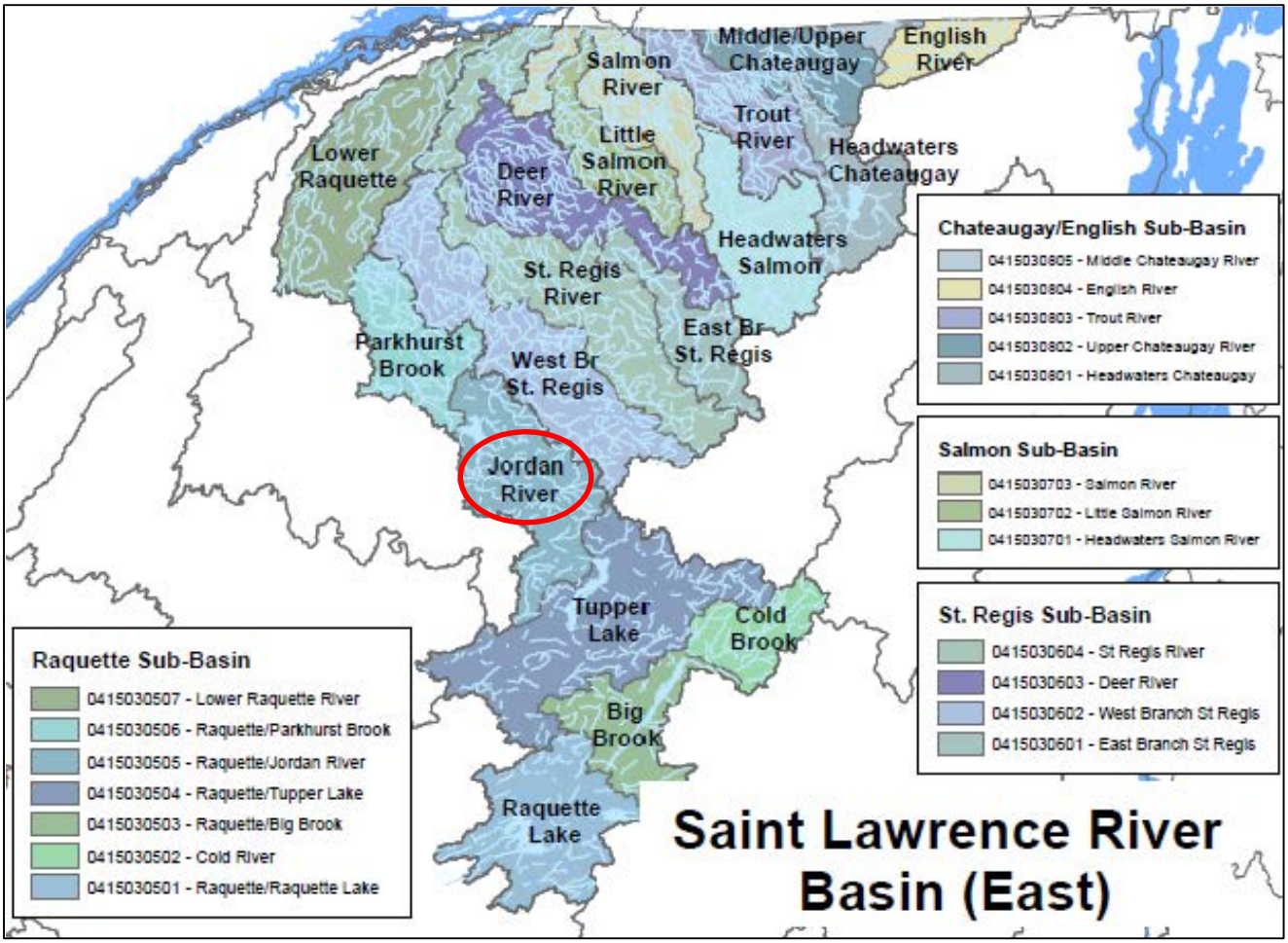

Raquette/Jordan River Watershed
(0415030505)

Water Index Number	Waterbody	Category
SL- 1 (portion 5f)/P29a	Blake Falls Reservoir (0903-0072)	UnAssessed
SL- 1 (portion 6a)/P35b	Stark Falls Reservoir (0903-0073)	UnAssessed
SL- 1 (portion 6b)/P35c	Carry Falls Reservoir (0903-0055)	Impaired Seg
SL- 1 (portion 7)	Raquette River, Middle, and tribs (0903-0074)	NoKnownImpct
SL- 1 (portion 8)/P85	Piercefield Flow (0903-0075)	NoKnownImpct
SL- 1- 46-P31	Joe Indian Pond (0903-0060)	Impaired Seg
SL- 1- 46-P31- 6	Joe Indian Inlet and tribs (0903-0098)	UnAssessed
SL- 1- 46-P31- 6..P33,P34,P35	Kildare Pd, Thirtyfive Pd, Whitney Pd (0903-0099)	NoKnownImpct
SL- 1- 46-P31- 6..P35a	Kettle Pond (0903-0100)	UnAssessed
SL- 1- 49 thru 76	Minor Tribs to Middle Raquette River (0903-0101)	UnAssessed
SL- 1- 58..P39,P40	McCuen Pond, Buck Pond, more (0903-0102)	UnAssessed
SL- 1- 58..P41	Amber Lake (0903-0103)	NoKnownImpct
SL- 1- 65	Jordan River and tribs (0903-0104)	UnAssessed
SL- 1- 65-26-P54	Willis Pond (0903-0105)	UnAssessed
SL- 1- 65-P46,P47	Jordan Lake, Little Jordan Lake (0903-0106)	UnAssessed

Water Index Number	Waterbody	Category
SL- 1- 65..P48 thru P57a (selected)	Minor Lakes Trib to Jordan River (0903-0107)	Need Verific
SL- 1- 69-P61	Lone Pond (0903-0108)	UnAssessed
SL- 1- 74-P62,P63	Leonard Pond, Crooked Lake, more (0903-0109)	UnAssessed
SL- 1- 77-P66	Chandler Pond, more (0903-0110)	UnAssessed
SL- 1- 93-P70	Windfall Pond (0903-0111)	NoKnownImpct
SL- 1-105a-P78,P78a	Marsh Ponds (0903-0112)	UnAssessed
SL- 1-109- 4	Trib to Upper Dead Creek and tribs (0903-0113)	NoKnownImpct
SL- 1-109- 4- 1-P80	Eagle Crag Lake, more (0903-0114)	Need Verific
SL- 1-109- 4-P83	Mount Arab Lake (0903-0115)	UnAssessed
SL- 1-109-P84	Pine Pond (0903-0116)	UnAssessed
SL- 1-P 85- 1-P87	Gull Pond (0903-0061)	NoKnownImpct

Carry Falls Reservoir (0903-0055) Impaired Seg

Waterbody Location Information

Revised: 12/08/2008

Water Index No: SL- 1 (portion 6b)/P35c
Hydro Unit Code: 04150305/100 **Str Class:** C
Waterbody Type: Lake(R)
Waterbody Size: 3030.7 Acres
Seg Description: entire reservoir

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: CARRY FALLS RESERV (D-22-1)

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: Tox/Contam. Sediment

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:** Medium
TMDL/303d Status: 4a (TMDL Complete, Being Implemented, Not Listed)

Further Details

Overview

Fish consumption in Carry Falls Reservoir is impaired by health advisories that recommend restricting the consumption of fish from the reservoir. Mercury contamination from atmospheric deposition is the suspected source of the impairment.

Fish Consumption

Fish consumption in Carry Falls reservoir is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of walleye 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 1998-99. (2006-07 NYSDOH Health Advisories and DEC/DFWMR, Habitat, January 2008).

Total Maximum Daily Load

In 2007, The New England Interstate Water Pollution Control Commission (NEIWPCC), on behalf of its member states including New York, submitted and USEPA approved a TMDL to address mercury deposition in lakes throughout the Northeastern United States, including Carry Falls Reservoir. The Northeast Regional Mercury TMDL notes that between 1998 and 2002 the Northeast states reduced in-region deposition of mercury by more than 70 percent. In addition these state have enforceable controls in place to meet the remaining reduction goals. Despite these reductions water quality impairment due to mercury still exists and elevated mercury levels in certain fish species remain great concern. The TMDL shows the

demonstrates that the need for significant reductions in the mercury reaching waters of the Northeast from sources outside the region by way of atmospheric deposition is essential to restoring these waters. (Northeast Regional Mercury TMDL, NEIWPCC, 2007)

Section 303(d) Listing

Carry Falls Reservoir was included on the NYS 2006 Section 303(d) List of Impaired Waters, but is not included on the 2008 List. The lake was delisted in 2008 due to the completion of the Northeast Regional Mercury TMDL which was approved in 2007. (DEC/DOW, BWAM, December 2008)

Raquette River, Middle, and tribs (0903-0074) NoKnownImpct

Waterbody Location Information

Revised: 12/29/2008

Water Index No: SL- 1 (portion 7)
Hydro Unit Code: 04150305/100 **Str Class:** C
Waterbody Type: River
Waterbody Size: 115.5 Miles
Seg Description: stream and all tribs, fr Jamestown Falls to Piercefield

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: CHILDWOLD (D-22-4)

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 Dead Creek at Conifer (at Conifer Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The macroinvertebrate fauna was dominated by the pollution intolerant filter feeding caddisfly *Dolophilodes sp.*. The nutrient biotic index indicated mesotrophic conditions due to phosphorus and nitrate. Impact source determination suggested a natural community. Dead Creek is just one of several streams that make up this waterbody segment, but it is considered representative of water quality in the segment as a whole. Sampling of the Raquette River in Piercefield (at Route 3) was conducted in 1997. The sample was found to meet all field criteria and was assessed as having non-impacted conditions. This segment is listed as being evaluated rather than monitored. (DEC/DOW, SWMS/SBU, December 2008)

Segment Description

This segment includes the total length of selected/smaller tribs to the Raquette River from Jamestown Falls to Piercefield Flow at Piercefield. Tribs within this segment, including Fallen Brook (-80), Ellis Brook (-88), Windfall Outlet (-93), Bear Brook (-96), Mountain Brook (-106) and Dead Creek (-109), are Class C,C(T),C(TS). Tribs to Upper Dead Creek (-109) and other portions of Raquette River are listed separately.

Piercefield Flow (0903-0075) NoKnownImpct

Waterbody Location Information

Revised: 01/16/2009

Water Index No: SL- 1 (portion 8)/P85
Hydro Unit Code: 04150305/100 **Str Class:** A
Waterbody Type: Lake
Waterbody Size: 471.2 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: TUPPER LAKE (E-22-0)

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

Water Quality Sampling
A biological (macroinvertebrate) assessment of the Raquette River in Piercefield (at Route 3) at the outlet of the Piercefield Flow was conducted in 1997 as part of the RIBS sampling effort. The sample was found to meet all field criteria and was assessed as having non-impacted conditions. Due to the date of the most recent sampling, this segment is listed as being evaluated rather than monitored. (DEC/DOW, SWMS/SBU, December 2008)

Monitoring of Piercefield Flow 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 at the time. (DEC, DOW, BWAM/WQAS, January 2009 and ALSC, 1984-86)

Joe Indian Pond (0903-0060) Impaired Seg

Waterbody Location Information

Revised: 12/05/2008

Water Index No: SL- 1- 46-P31
Hydro Unit Code: 04150305/110 **Str Class:** C(T)
Waterbody Type: Lake
Waterbody Size: 343.6 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: CARRY FALLS RESERV (D-22-1)

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: - - -
Suspected: ACID/BASE (PH)
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 **Resolution Potential:** Medium
TMDL/303d Status: 2a (Multiple Segment/Categorical Water, Atmosph Dep)

Further Details

Overview
Aquatic life support in Joe Indian Pond are thought to be impaired by low pH, a result of atmospheric deposition (acid rain).

Water Quality Sampling
Historical surveys of these waters indicate that low pH due to acid deposition might be limiting the fishery. The lake was the focus of CSLAP monitoring from 1986 to 1990. Monitoring results include documentation of low pH. However, actual impairment to the fishery requires additional verification. (DEC/DOW, CSLAP, 1998)

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
The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Joe Indian Pond is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

Kildare Pd, Thirtyfive Pd, Whitney Pd (0903-0099) NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL- 1- 46-P31- 6..P33,P34,P35
Hydro Unit Code: 04150305/110 **Str Class:** C(T)
Waterbody Type: Lake
Waterbody Size: 49.4 Acres
Seg Description: total area of all three lakes

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: CARRY FALLS RESERV (D-22-1)

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

Water Quality Sampling
Monitoring of Kildare and Whitney Ponds 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 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)

Amber Lake (0903-0103) NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL- 1- 58..P41
Hydro Unit Code: 04150305/100 **Str Class:** C(T)
Waterbody Type: Lake
Waterbody Size: 110.6 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: CARRY FALLS RESERV (D-22-1)

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

Water Quality Sampling
Monitoring of Amber Lake 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 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)

Minor Lakes Trib to Jordan River (0903-0107) Need Verific

Waterbody Location Information

Revised: 09/05/2008

Water Index No: SL- 1- 65..P48 thru P57a (selected)
Hydro Unit Code: 04150305/090 **Str Class:** C
Waterbody Type: Lake
Waterbody Size: 198.6 Acres
Seg Description: total area of selected lakes

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: CHILDWOLD (D-22-4)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Possible

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 1 (Waterbody Nominated, Problem Not Verified)
Lead Agency/Office: DEC/DOW **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Overview

Aquatic life support in some ponds in this segment is considered to be impaired by low pH, a result of atmospheric deposition (acid rain). However available data indicating such impacts is more than 20 years old and/or limited to smaller ponds within this segment. Additionally, the larger of the two lakes (Rock Pond) was added to the Section 303(d) List with little documentation so it is not certain that this impairment corresponds to this lake. Additional monitoring is necessary to determine if there is an impairment due to acid rain. Until data on this waterbody is available, this impacts will be considered to needing verification.

Water Quality Sampling

Historical surveys of Spring Pond and smaller unnamed pond (P55) indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1986) revealed a pH <5.0 and no fish in Spring Pond; Rock Pond had pH greater than 6.0, but also no evidence of fish. (DEC/DOW, BWAM, 2008)

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

Both Spring Pond and unnamed pond (P55) are included on the NYS 2008 Section 303(d) List of Impaired Waters in Appendix A as a Smaller Lake Impaired by Acid Rain. (DEC/DOW, BWAM, 2008)

Segment Description

This segment includes the total area of all selected/smaller lakes within the Jordan River watershed. Lakes within this segment, including Deer Pond (P48), Otter Pond (P49), Rock Pond (P50), Potter Pond (P51), Spring Pond (P52), Mountain Pond (P53), Sunset Pond (P57) and Pitchfork Pond (P57a), are primarily Class C,C(T), with portions in the Forest Preserve. Larger lakes, such as Jordan Lake (P46) and Willis Lake (P54), are listed separately.

Windfall Pond (0903-0111) NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL- 1- 93-P70
Hydro Unit Code: 04150305/100 **Str Class:** C
Waterbody Type: Lake
Waterbody Size: 15.4 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: CHILDWOLD (D-22-4)

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 Windfall 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 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)

Trib to Upper Dead Creek and tribs (0903-0113) NoKnownImpct

Waterbody Location Information

Revised: 12/29/2008

Water Index No: SL- 1-109- 4
Hydro Unit Code: 04150305/100 **Str Class:** AA(T)
Waterbody Type: River
Waterbody Size: 6.5 Miles
Seg Description: entire stream and tribs

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: TUPPER LAKE (E-22-0)

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

Water Quality Sampling
A biological (macroinvertebrate) assessment of Dead Creek at Conifer (at Conifer Road) was conducted in 2004 during the RIBS Biological Screening effort in the basin. Sampling results indicated non-impacted water quality conditions. The macroinvertebrate fauna was dominated by the pollution intolerant filter feeding caddisfly *Dolophilodes sp.*. The nutrient biotic index indicated mesotrophic conditions due to phosphorus and nitrate. Impact source determination suggested a natural community. Although this sampling was conducted downstream of this segment, it is considered representative of upstream water quality. This segment is listed as being evaluated rather than monitored. (DEC/DOW, SWMS/SBU, December 2008)

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

Eagle Crag Lake, more (0903-0114) Need Verific

Waterbody Location Information

Revised: 11/13/2008

Water Index No: SL- 1-109- 4- 1-P80
Hydro Unit Code: 04150305/100 **Str Class:** A(T)
Waterbody Type: Lake
Waterbody Size: 143.6 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 6/St.Lawrence Co. (45)
Quad Map: TUPPER LAKE (E-22-0)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Suspected

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: 1 (Waterbody Nominated, Problem Not Verified)
Lead Agency/Office: ext/EPA **Resolution Potential:** n/a
TMDL/303d Status: n/a

Further Details

Overview

Aquatic life support in this segment is considered to be threatened due to low pH, a result of atmospheric deposition (acid rain). Available data indicating such impacts is limited to a small pond within this segment and is more than 20 years old. More recent data for the larger Eagle Crag Lake found pH to typically fall within the state water quality range of 6.5 to 8.5, however lower readings have been recorded and should continue to be monitored.

Water Quality Sampling

Eagle Lake has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1986 thru 1990 and from 1998 through 2005. 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 mesoligotrophic, or moderately unproductive. Phosphorus levels in are consistently below the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements exceed what is the recommended minimum for swimming beaches. Measurements of pH typically fall within the state water quality range of 6.5 to 8.5, however lower readings have been recorded and should continue to be monitored. The lake water is weakly to moderately colored; a condition that is considered to be natural. (DEC/DOW, BWAM/CSLAP, February 2006)

Historical surveys of a small pond within this segment indicate that low pH due to acid deposition is limiting the fishery.

Monitoring by ALSC (1986) revealed a pH between 5.0 and 5.5 and no fish in Buck Pond (P81). (DEC/DOW, BWAM, 2008)

Recreational Assessment

Public perception of the lake and its uses is also evaluated as part of the CSLAP program. This assessment indicates recreational suitability of the lake to be highly favorable since the lake was first evaluated and continuing through the most recent assessment. The recreational suitability of the lake is described most frequently as "could not be nicer." The lake itself is most often described as "crystal clear," an assessment that is somewhat more favorable than suggested by measured water quality characteristics. Assessments have noted that aquatic plants are not visible at the lake surface and do not impact recreation. Aquatic plant surveys of the lake have found that native plants not typically associated with nuisance plant growth are dominant. (DEC/DOW, BWAM/CSLAP, February 2006)

Lake Uses

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.

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

Buck Pond is included on the NYS 2008 Section 303(d) List of Impaired Waters in Appendix A as a Smaller Lake Impaired by Acid Rain. (DEC/DOW, BWAM, 2008)

Segment Description

This segment includes the total area of Eagle Crag Lake (P80), as well as the smaller Buck Pond (P81).

Gull Pond (0903-0061) NoKnownImpct

Waterbody Location Information

Revised: 12/05/2008

Water Index No: SL- 1-P 85- 1-P87
Hydro Unit Code: 04150305/100 **Str Class:** C
Waterbody Type: Lake
Waterbody Size: 292.1 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Franklin Co. (17)
Quad Map: TUPPER LAKE (E-22-0)

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: 2a->n/a

Further Details

Water Quality Sampling

Gull Pond has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1987 and most recently from 1994 through 1998. An Interpretive Summary report of the findings of this sampling was published in 1999. These data indicate that the lake continues to be best characterized as oligotrophic, or unproductive. Phosphorus levels in the lake are well below the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements easily exceed the recommended minimum for swimming beaches. Measurements of pH are somewhat low but typically fall within the state water quality range of 6.5 to 8.5. (DEC/DOW, BWAM/CSLAP, 1999)

Recreational Assessment

Public perception of the lake and its uses is also evaluated as part of the CSLAP program. This assessment indicates recreational suitability of the lake to be very favorable since the lake was first evaluated and continuing through the most recent assessment. The recreational suitability of the lake is described most frequently as "could not be nicer." The lake itself is most often described as "crystal clear" or "not quite crystal clear," an assessment that is consistent measured water quality characteristics. Assessments have noted that aquatic plants occasionally grow to the lake surface. Aquatic plants have not been surveyed in the lake but have not been cited as impacting recreational uses. (DEC/DOW, BWAM/CSLAP, 1999)

Lake Uses

This lake waterbody is designated class C, suitable for general recreation and aquatic life support, but not as a water supply or

public bathing beach. 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.

Section 303(d) Listing

The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Gull Pond is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. However the original assessment upon which this listing was based indicates impacts to the segment need verification. This updated assessment suggests that the suspected impacts to water quality and uses are not sufficient to warrant continued listing. (DEC/DOW, BWAM, 2008)