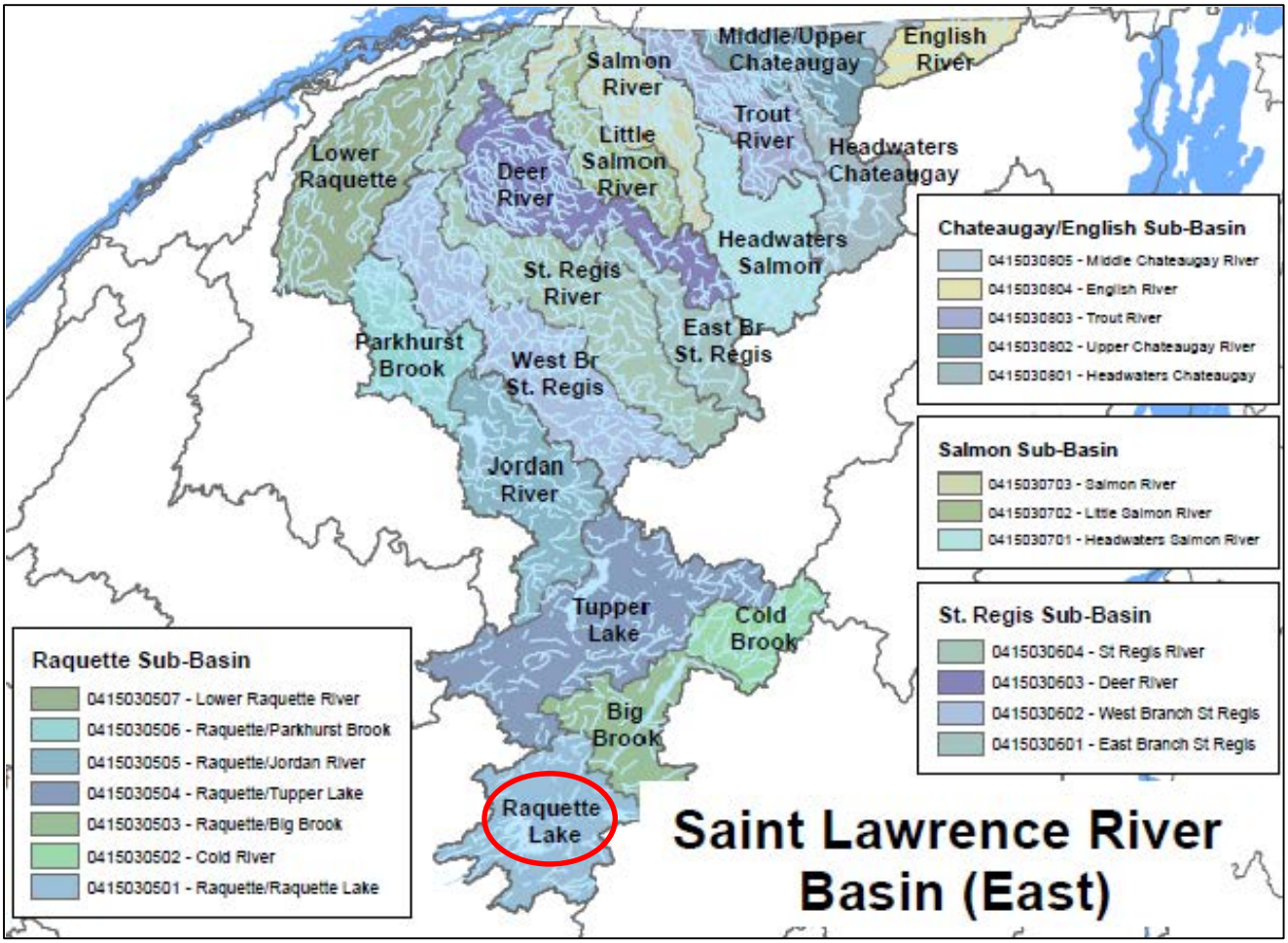

Raquette/Raquette Lake Watershed
(0415030501)

Water Index Number	Waterbody	Category
SL- 1 (portion 12)	Raquette River, Upper, and tribs (0903-0079)	UnAssessed
SL- 1 (portion 13)/P276	Forked Lake (0903-0080)	Impaired Seg
SL- 1 (portion 14)/P293	Raquette Lake (0903-0081)	Impaired Seg
SL- 1-P109..P241..P276-	Minor Tribs to Forked Lake (0903-0193)	UnAssessed
SL- 1-P109..P241..P276..P277	Brandreth Lake (0903-0194)	UnAssessed
SL- 1-P109..P241..P276..P278	Pilgrim Pond (0903-0043)	Impaired Seg
SL- 1-P109..P241..P276..P279	Little Forked Lake (0903-0195)	UnAssessed
SL- 1-P109..P241..P279..P280 to 290	Minor Lake Tribs to Little Forked Lake (0903-0196)	UnAssessed
SL- 1-P109..P241..P279..P286	Moose Pond (0903-0197)	UnAssessed
SL- 1-P109..P241..P279..P291	Plumley Pond (0903-0198)	UnAssessed
SL- 1-P109..P293-	Minor Tribs to Raquette Lake (0903-0200)	UnAssessed
SL- 1-P109..P293- ..P292	Grass Pond (0903-0199)	UnAssessed
SL- 1-P109..P293- 1-P294 to P299	Lower, Mid, Upper Sargent Pds, Helms Pd (0903-0201)	UnAssessed
SL- 1-P109..P293- 2-P300	Eldon Lake (0903-0214)	NoKnownImpct

Water Index Number	Waterbody	Category
SL- 1-P109..P293- 4- 7-P302	Slim Pond (0903-0202)	UnAssessed
SL- 1-P109..P293- 4-P304,P306	Utowana Lake, Eagle Lake (0903-0203)	UnAssessed
SL- 1-P109..P293- 4-P307	Blue Mountain Lake (0903-0204)	Impaired Seg
SL- 1-P109..P293- 4-P307-P310	Chub Pond (0903-0205)	UnAssessed
SL- 1-P109..P293- 4-P307-P311	Minnow Pond (0903-0206)	NoKnownImpct
SL- 1-P109..P293- 6	South Inlet and tribs (0903-0207)	UnAssessed
SL- 1-P109..P293- 6-11-P312	Mohegan Lake (0903-0208)	NoKnownImpct
SL- 1-P109..P293- 6-P313	Sagamore Lake (0903-0209)	UnAssessed
SL- 1-P109..P293- 6-P313- 5-P315	Aluminum Pond (0903-0006)	Impaired Seg
SL- 1-P109..P293- 8-P316,P317	Lower, Upper Browns Tract Pond (0903-0210)	NoKnownImpct
SL- 1-P109..P293-13..P319	Cranberry Pond (0903-0212)	UnAssessed
SL- 1-P109..P293-13..P321,322,331	Haymarsh Ponds, Lone Pond, more (0903-0017)	Impaired Seg
SL- 1-P109..P293-13..P324	Shallow Lake (0903-0213)	NoKnownImpct
SL- 1-P109..P293-13..P324- 1-P325	Pelcher Pond (0903-0002)	Impaired Seg
SL- 1-P109..P293-13..P329,P327	Queer Lake, Middle Chain Pond (0903-0211)	Impaired Seg

Forked Lake (0903-0080) Impaired Seg

Waterbody Location Information

Revised: 12/08/2008

Water Index No: SL- 1 (portion 13)/P276
Hydro Unit Code: 04150305/020 **Str Class:** B
Waterbody Type: Lake
Waterbody Size: 764.7 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: RAQUETTE LAKE (F-22-0)

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: 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 Forked Lake is impaired by health advisories that recommend restricting the consumption of fish from the lake. Mercury contamination from atmospheric deposition is the suspected source of the impairment.

Fish Consumption
Fish consumption in Forked Lake is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of largemouth and smallmouth bass 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 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 Forked Lake. 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

Forked Lake 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 Lake (0903-0081) Impaired Seg

Waterbody Location Information

Revised: 12/08/2008

Water Index No: SL- 1 (portion 14)/P293
Hydro Unit Code: 04150305/010 **Str Class:** AA
Waterbody Type: Lake
Waterbody Size: 5196.8 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: RAQUETTE LAKE (F-22-0)

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: 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: 2b->4a

Further Details

Overview
Fish consumption in Raquette Lake is impaired by health advisories that recommend restricting the consumption of fish from the lake. Mercury contamination from atmospheric deposition is the suspected source of the impairment.

Fish Consumption
Fish consumption in Blue Mountain Lake is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of largemouth bass 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 2006-07. (2006-07 NYSDOH Health Advisories and DEC/DFWMR, Habitat, January 2008).

Section 303(d) Listing
Raquette Lake is included on the NYS 2008 Section 303(d) List of Impaired Waters. The lake is included on Part 2b of the List as a Fish Consumption Water due to the health advisory related to mercury levels. However the Northeast Regional Mercury TMDL which was approved in 2007 provides coverage for waters that are subsequently identified as being impaired by mercury from atmospheric deposition. As a result, NYSDEC anticipates delisting this waterbody when the 2010 Section 303(d) List is issued because of coverage under this TMDL. (DEC/DOW, BWAM, December 2008)

Pilgrim Pond (0903-0043) Impaired Seg

Waterbody Location Information

Revised: 09/05/2008

Water Index No: SL- 1-P109..P241..P276..P278
Hydro Unit Code: 04150305/020 **Str Class:** C
Waterbody Type: Lake
Waterbody Size: 14.4 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: RAQUETTE LAKE (F-22-0)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	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: ()
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: ext/EPA **Resolution Potential:** n/a
TMDL/303d Status: 2a (Multiple Segment/Categorical Water, Atmosph Dep)

Further Details

Overview
Aquatic life support in Pilgrim Pond is known 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 is limiting the fishery. Monitoring by ALSC (1986) revealed a pH below 5.0. Aquatic life in this segment is considered to be impaired. (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
The waters of this segment are included on the NYS 2008 Section 303(d) List of Impaired Waters. Pilgrim Pond is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water. (DEC/DOW, BWAM, 2008)

Eldon Lake (0903-0214) NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL- 1-P109..P293- 2-P300
Hydro Unit Code: 04150305/010 **Str Class:** C
Waterbody Type: Lake
Waterbody Size: 120.5 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: RAQUETTE LAKE (F-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
Monitoring of Eldon 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)

Blue Mountain Lake (0903-0204) Impaired Seg

Waterbody Location Information

Revised: 12/08/2008

Water Index No: SL- 1-P109..P293- 4-P307
Hydro Unit Code: 04150305/010 **Str Class:** A(T)
Waterbody Type: Lake
Waterbody Size: 1235.0 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: BLUE MOUNTAIN (F-23-0)

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: 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: 2b->4a

Further Details

Overview

Fish consumption in Blue Mountain Lake is impaired by health advisories that recommend restricting the consumption of fish from the lake. Mercury contamination from atmospheric deposition is the suspected source of the impairment.

Fish Consumption

Fish consumption in Blue Mountain Lake is impaired due to a NYSDOH health advisory that recommends eating no more than one meal per month of larger largemouth bass (over 15 inches) and larger smallmouth bass (over 15 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 2006-07. (2006-07 NYSDOH Health Advisories and DEC/DFWMR, Habitat, January 2008).

Section 303(d) Listing

Blue Mountain Lake is included on the NYS 2008 Section 303(d) List of Impaired Waters. The lake is included on Part 2b of the List as a Fish Consumption Water due to the health advisory related to mercury levels. However the Northeast Regional Mercury TMDL which was approved in 2007 provides coverage for waters that are subsequently identified as being impaired by mercury from atmospheric deposition. As a result, NYSDEC anticipates delisting this waterbody when the 2010 Section 303(d) List is issued because of coverage under this TMDL. (DEC/DOW, BWAM, December 2008)

Minnow Pond (0903-0206) NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL- 1-P109..P293- 4-P307-P311
Hydro Unit Code: 04150305/010 **Str Class:** C
Waterbody Type: Lake
Waterbody Size: 108.5 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: BLUE MOUNTAIN (F-23-0)

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
Monitoring of Minnow 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)

Mohegan Lake (0903-0208) NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL- 1-P109..P293- 6-11-P312
Hydro Unit Code: 04150305/010 **Str Class:** B(T)
Waterbody Type: Lake
Waterbody Size: 118.2 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: WEST CANADA LAKES (G-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
Monitoring of Mohegan /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)

Aluminum Pond (0903-0006) Impaired Seg

Waterbody Location Information

Revised: 09/05/2008

Water Index No: SL- 1-P109..P293- 6-P313- 5-P315
Hydro Unit Code: 04150305/010 **Str Class:** FP
Waterbody Type: Lake
Waterbody Size: 18.7 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: RAQUETTE LAKE (F-22-0)

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: ()
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: ext/EPA **Resolution Potential:** n/a
TMDL/303d Status: 4a (TMDL Complete, Being Implemented, Not Listed)

Further Details

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

Water Quality Sampling
Historical surveys of this lake indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1984) revealed a pH between 5.5 and 6.0 in Aluminum Pond (P315). Aquatic life in this lake is considered to be impaired. (DEC/DOW, BWAM, 2008)

Water Quality Management/TMDL
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 Aluminum Pond. 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 in NYS Forest Preserve, DEC/DOW, BWAM, August 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.

Section 303(d) Listing

Aluminum Pond was included on previous Section 303(d) Lists, but was delisting in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

Lower, Upper Browns Tract Pond (0903-0210) NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL- 1-P109..P293- 8-P316,P317
Hydro Unit Code: 04150305/010 **Str Class:** FP
Waterbody Type: Lake
Waterbody Size: 209.7 Acres
Seg Description: total area of both lakes

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: RAQUETTE LAKE (F-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
Monitoring of Lower and Upper Browns Tract 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)

Haymarsh Ponds, Lone Pond, more (0903-0017) Impaired Seg

Waterbody Location Information

Revised: 09/05/2008

Water Index No: SL- 1-P109..P293-13..P321,P322,P331
Hydro Unit Code: 04150305/010 **Str Class:** C(T)
Waterbody Type: Lake
Waterbody Size: 15.6 Acres
Seg Description: total area of both lakes

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: RAQUETTE LAKE (F-22-0)

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: ()
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: ext/EPA **Resolution Potential:** n/a
TMDL/303d Status: 4a (TMDL Complete, Being Implemented, Not Listed)

Further Details

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

Water Quality Sampling
Historical surveys of these lakes indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1984) revealed a pH between 5.5 and 6.0 in Upper Haymarsh Pond (P322), Lone Pond (P331) and unnamed pond (P323). Aquatic life in these lake are considered to be impaired.

Water Quality Management/TMDL
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 Upper Haymarket Pond. 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 in NYS Forest Preserve, DEC/DOW, BWAM, August 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.

Section 303(d) Listing

Lone Pond and unnamed pond (P323) are included on the NYS 2008 Section 303(d) List of Impaired Waters in Appendix A as Smaller Lakes Impaired by Acid Rain. Upper Haymarket Pond was included on previous Section 303(d) Lists, but was delisted in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

Segment Description

This segment includes the total area of Lower and Upper Haymarsh Ponds (P321, P322), as well as the smaller one Pond (P331) and unnamed pond (P323).

Shallow Lake (0903-0213) NoKnownImpct

Waterbody Location Information

Revised: 01/23/2009

Water Index No: SL- 1-P109..P293-13..P324
Hydro Unit Code: 04150305/010 **Str Class:** FP
Waterbody Type: Lake
Waterbody Size: 282.6 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: RAQUETTE LAKE (F-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
Monitoring of Shallow 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)

Pelcher Pond (0903-0002) Impaired Seg

Waterbody Location Information

Revised: 09/05/2008

Water Index No: SL- 1-P109..P293-13..P324- 1-P325
Hydro Unit Code: 04150305/010 **Str Class:** C
Waterbody Type: Lake
Waterbody Size: 45.1 Acres
Seg Description: entire lake

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: RAQUETTE LAKE (F-22-0)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Precluded	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: ()
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: ext/EPA **Resolution Potential:** n/a
TMDL/303d Status: 4a (TMDL Complete, Being Implemented, Not Listed)

Further Details

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

Water Quality Sampling
Historical surveys of this lake indicate that low pH due to acid deposition is limiting the fishery. Monitoring by NYSDEC DFWMR (1979) revealed a pH below 5.0 in Pelcher Pond. Aquatic life in this lake is considered to be impaired. (DEC/DOW, BWAM, 2008)

Water Quality Management/TMDL
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 Pelcher Pond. 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 in NYS Forest Preserve, DEC/DOW, BWAM, August 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.

Section 303(d) Listing

Pelcher Pond was included on previous Section 303(d) Lists, but was delisting in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

Queer Lake, Middle Chain Pond (0903-0211) Impaired Seg

Waterbody Location Information

Revised: 09/05/2008

Water Index No: SL- 1-P109..P293-13..P329,P327
Hydro Unit Code: 04150305/010 **Str Class:** FP
Waterbody Type: Lake
Waterbody Size: 131.3 Acres
Seg Description: total area of both lakes

Drain Basin: Saint Lawrence River
Raquette River
Reg/County: 5/Hamilton Co. (21)
Quad Map: BIG MOOSE (F-21-0)

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: 4a (TMDL Complete, Being Implemented, Not Listed)

Further Details

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

Water Quality Sampling
Historical surveys of some of the lakes in this segment indicate that low pH due to acid deposition is limiting the fishery. Monitoring by ALSC (1984) revealed a pH below 5.0 in Lower, Middle and Upper Chain Ponds (P326, P327, P328) and unnamed pond (P330). Aquatic life in these ponds is considered to be impaired. (DEC/DOW, BWAM, 2008)

Water Quality Management/TMDL
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 the Chain Ponds and unnamed pond (P330). 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 in NYS Forest Preserve, DEC/DOW, BWAM, August 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.

Section 303(d) Listing

The Chain Ponds were included on previous Section 303(d) Lists, but were delisted in 2006 due to the completion of an Acid Rain TMDL. (DEC/DOW, BWAM, 2008)

Segment Description

This segment includes the total area of Queer Lake (P329), Lower, Middle and Upper Chain Ponds (P326, P327, P328), and unnamed pond P330).