



# West Br Oswegatchie, Upper, and tribs ( 0905-0003)

Impaired Seg

## Waterbody Location Information

Revised: / /

<b>Water Index No:</b>	SL-25- 73	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150302/040	<b>Str Class:</b>	C(T) Oswegatchie River
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	6/Lewis Co. (25)
<b>Waterbody Size:</b>	139.1 Miles	<b>Quad Map:</b>	REMINGTON CORNERS (E-19-3)
<b>Seg Description:</b>	stream and tribs, above Harrisville		

## 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: ATMOSPHERIC DEPOSITION  
Suspected: ---  
Possible: ---

## Resolution/Management Information

<b>Issue Resolvability:</b>	( )	
<b>Verification Status:</b>	(Not Applicable for Selected RESOLVABILITY)	
<b>Lead Agency/Office:</b>	ext/EPA	<b>Resolution Potential:</b> n/a
<b>TMDL/303d Status:</b>	2a (Multiple Segment/Categorical Water, Atmosph Dep)	

## Further Details

### Overview

Aquatic life support in this portion of the West Branch Oswegatchie River is considered to be impaired by low pH, a result of atmospheric deposition (acid rain).

### Water Quality Sampling

Historical acid rain lake surveys indicate that low pH due to acid deposition is limiting the fishery in the headwaters of the West Branch Oswegatchie River. Monitoring by ALSC (1980, 82) revealed pH of <5.0 during spring runoff. Aquatic life in these ponds is considered to be impaired.

### 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

This portion of West Branch Oswegatchie River is included on the NYS 2008 Section 303(d) List of Impaired Waters. The

segment is included on Part 2a of the List as an Atmospheric Deposition (Acid Rain) Water.

#### Segment Description

This segment includes the portion of the stream and all tribs above the Middle Branch Oswegatchie (-26) near Harrisville. The waters of this portion of the stream are Class C,C(T). Tribs to this reach/segment, including Oswegatchie Creek (-28), Kimball Creek (-28a), Blanchard Creek (-31), Pine Creek (-32), Deer Creek (-40), are Class C,C(T). Middle Branch Oswegatchie is listed separately.

# Long Pond, Round Pond ( 0905-0058)

Impaired Seg

## Waterbody Location Information

Revised: 12/08/2008

**Water Index No:** SL-25- 73..P237,P238  
**Hydro Unit Code:** 04150302/040      **Str Class:** C(T)  
**Waterbody Type:** Lake  
**Waterbody Size:** 189.0 Acres  
**Seg Description:** total area of both lakes

**Drain Basin:** Saint Lawrence River  
Oswegatchie River  
**Reg/County:** 6/Lewis Co. (25)  
**Quad Map:** NUMBER FOUR (F-20-0)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
FISH CONSUMPTION	Impaired	Known
AQUATIC LIFE	Impaired	Known

### Type of Pollutant(s)

Known: METALS (mercury), Acid/Base (pH)  
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  
**TMDL/303d Status:** 4a (TMDL Complete, Being Implemented, Not Listed)

**Resolution Potential:** Medium

## Further Details

### Overview

Fish consumption in Long Pond 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 Long Pond is impaired due to a NYSDOH health advisory that recommends eating no larger splake (over 12 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 prior to 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 (NEIWPC), 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 Long Pond. 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, NEIWPC, 2007)

#### Section 303(d) Listing

Long Pond 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)

# Desert, Jakes, Buck, Hog Ponds, more ( 0905-0038)

Impaired Seg

## Waterbody Location Information

Revised: 09/05/2008

**Water Index No:** SL-25- 73..P240 thru 247  
**Hydro Unit Code:** 04150302/040      **Str Class:** C  
**Waterbody Type:** Lake  
**Waterbody Size:** 46.6 Acres  
**Seg Description:** total area of all four lakes

**Drain Basin:** Saint Lawrence River  
Oswegatchie River  
**Reg/County:** 6/Herkimer Co. (22)  
**Quad Map:** NUMBER FOUR (F-20-0)

## 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: ATMOSPHERIC 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 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 pH below 5.0 and no presence of fish in Jakes Pond (P245). Aquatic life in this pond 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

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

### Segment Description

This segment includes the total area of Desert Pond (P241), Jakes Pond (P245), Buck Pond (P246) and Hog Pond (P247), as well as smaller unnamed ponds (P240, P242, P243, P244).