



## Oswegatchie/Beaver Creek Watershed (0415030209)

### Water Index Number

SL-25 (portion 3)  
 SL-25- 13  
 SL-25- 13- 1- 1-P4a  
 SL-25- 16-P61/P62  
 SL-25- 16-P61/P62-  
 SL-25- 17 thru 28  
 SL-25- 22

### Waterbody

Oswegatchie River, Lower, Main Stem (0905-0112)  
 Beaver Creek and tribs (0905-0117)  
 Osborn Lake (0905-0118)  
 Lower Lake, Upper Lake (0905-0119)  
 Tribs to Lower/Upper Lakes (0905-0120)  
 Minor Tribs to Lower Oswegatchie River (0905-0103)  
 Indian Creek and tribs (0905-0121)

### Category

Need Verific  
 UnAssessed  
 UnAssessed  
 UnAssessed  
 Need Verific  
 UnAssessed  
 UnAssessed

# Oswegatchie River, Lower, Main Stem ( 0905-0112)

Need Verific

## Waterbody Location Information

Revised: 01/16/2009

<b>Water Index No:</b>	SL-25 (portion 3)	<b>Drain Basin:</b>	Saint Lawrence River
<b>Hydro Unit Code:</b>	04150302/130	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	6/St.Lawrence Co. (45)
<b>Waterbody Size:</b>	15.7 Miles	<b>Quad Map:</b>	RENSELAER FALLS (C-19-3)
<b>Seg Description:</b>	from Rensselaer Falls to Richville		

## 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: NUTRIENTS  
Possible: Priority Organics

### Source(s) of Pollutant(s)

Known: ---  
Suspected: AGRICULTURE  
Possible: Urban/Storm Runoff

## Resolution/Management Information

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

## Further Details

### Overview

Aquatic life support in this portion of the Oswegatchie River may experience minor impacts due to nutrient loads from agricultural and other nonpoint sources. However due to the date of the most recent sampling, conditions in this reach need to be verified.

### Water Quality Sampling

A biological (macroinvertebrate) assessment of Oswegatchie River in Rensselaer Falls was conducted in 1997. Sampling results indicated slightly impacted water quality conditions. The fauna was dominated by filter-feeding caddisflies and nonpoint source nutrient enrichment was determined to be the primary factor affecting water quality. Elevated levels of PAHs were noted in crayfish tissue samples. These findings represent a decline from the previous sampling. Further monitoring in order to verify water quality conditions in this reach is recommended. (DEC/DOW, BWAM/SBU, December 2004)

### Segment Description

This segment includes the main stem of the river from the Route 14 bridge in Rensselaer Falls to Boland Creek (-29) in Richville. The water of this portion of the stream are Class C. Tribs to this segment are listed separately.

# Tribs to Lower/Upper Lakes ( 0905-0120)

Need Verific

## Waterbody Location Information

Revised: 01/05/2009

**Water Index No:** SL-25- 16-P61/P62-  
**Hydro Unit Code:** 04150302/120      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 67.5 Miles  
**Seg Description:** total length of all tribs to both lakes

**Drain Basin:** Saint Lawrence River  
Oswegatchie River  
**Reg/County:** 6/St.Lawrence Co. (45)  
**Quad Map:** CANTON (C-20-4)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: D.O./OXYGEN DEMAND, NUTRIENTS

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: MUNICIPAL (DeKalb Junction WWTP)

## Resolution/Management Information

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

**Resolution Potential:** Medium

## Further Details

### Overview

Aquatic life support and recreational uses had experienced significant impacts from inadequately treated municipal sewage discharges that were in violation of SPDES discharge permit limits. Upgrades to the WWTP have brought the plant into compliance. Follow-up sampling to verify improved water quality in the receiving stream is recommended.

### Water Quality Management

Previously, excessive solids (suspended and settleable) and BOD from the DeKalb Jct. WWTP were being discharged to Gulf Creek in continual non-compliance with the facility's SPDES permit limits causing sludge banks, floatable solids and an extended plume (turbidity) in Gulf Creek. These violations impaired aquatic life support and recreational uses of the creek. In late 2001 the Dekalb Jct. WWTP was upgraded to increase flow capacity to prevent hydraulic overloading and add tertiary treatment capabilities to meet water quality standards. Since then the plant has been able to meet SPDES effluent limits with no noted impact on the receiving stream. (DEC/DOW, Region 6, December 2008)

### Segment Description

This segment includes the total length of all tribs to Lower Lake (P61) and Upper Lake (P62). Tribs within this segment, including Cook Creek (-2), Gulf Creek (-2-1) and Church Creek (-3), are Class C.