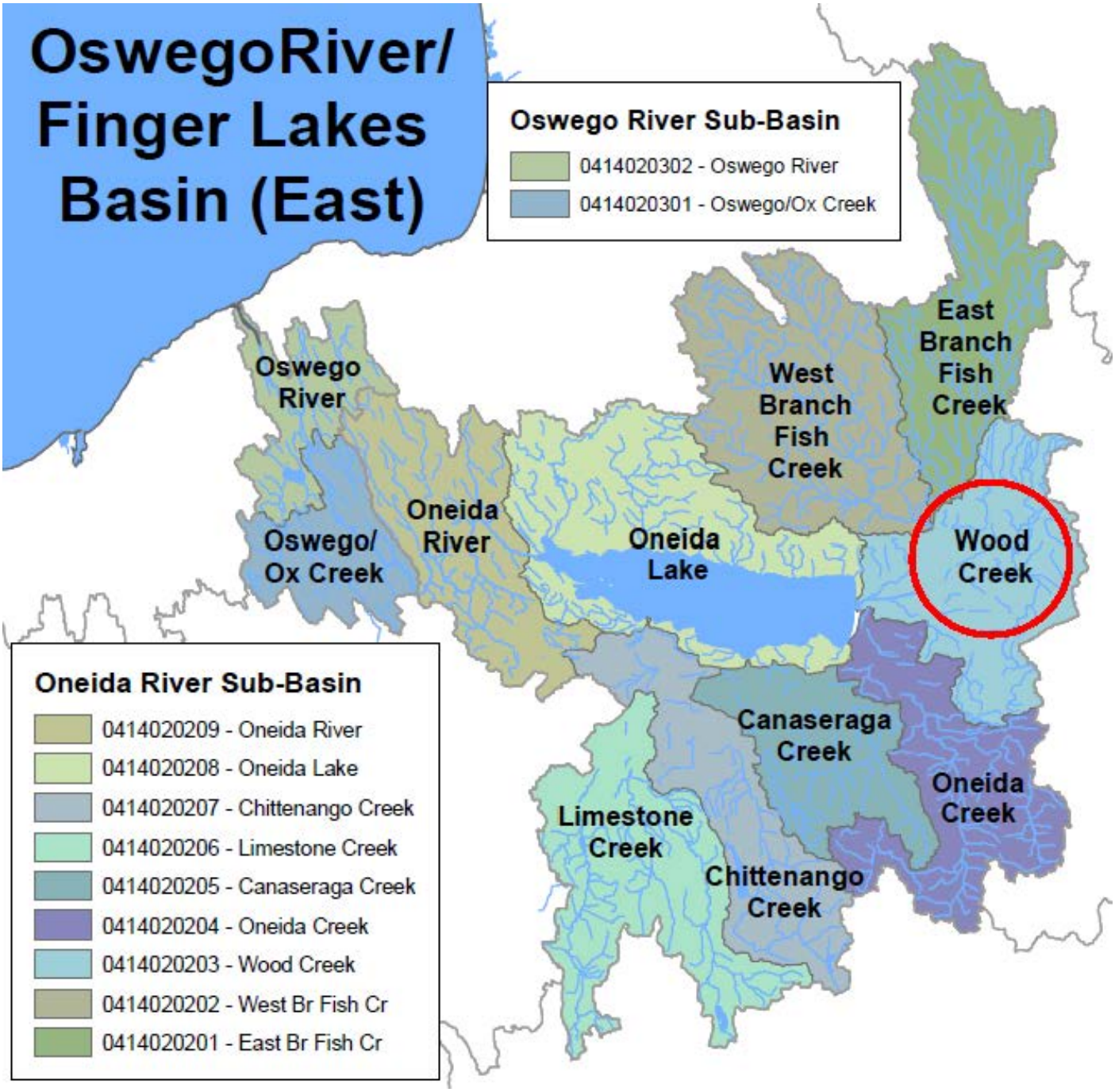

Wood Creek Watershed
(0414020203)

Water Index Number	Waterbody Segment	Category
Ont 66-11-P26-24	Fish Creek and minor tribs (0703-0059)	NoKnownImpt
Ont 66-11-P26-24- 1	Wood Creek and minor tribs (0703-0012)	MinorImpacts
Ont 66-11-P26-24- 1 (Canal)	NYS Barge Canal (portion 6)(0703-0063)	UnAssessed
Ont 66-11-P26-24- 1- 4-P57	Teelins Pond (0703-0064)	UnAssessed
Ont 66-11-P26-24- 1- 8	Stony Creek and tribs (0703-0065)	MinorImpacts
Ont 66-11-P26-24- 1-10	Canada Creek and tribs (0703-0010)	Need Verific

Fish Creek and minor tribs (0703-0059) NoKnownImpct

Waterbody Location Information

Revised: 05/24/2007

Water Index No:	Ont 66-11-P26-24			**Drain Basin:**	Oswego-Seneca-Oneida
Hydro Unit Code:	04140202/030	**Str Class:**	C		Oneida River
Waterbody Type:	River			**Reg/County:**	6/Oneida Co. (33)
Waterbody Size:	50.7 Miles			**Quad Map:**	SYLVAN BEACH (I-18-1)
Seg Description:	entire stream and selected tribs				

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

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Fish Creek in Fish Creek Landing, Oneida County, (at Route 50A) was conducted in 2002. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. During this sampling the biological (macroinvertebrate) sampling results indicated non-impacted water quality conditions. The fauna included a number of intolerant mayflies, stoneflies and caddisflies. Water column sampling found mercury and iron have exceeded assessment criteria in only 1 of 10 samples. The presence of mercury is typical of waters in this region which are impacted by atmospheric deposition of pollutants. Toxicity testing of the water column showed no significant mortality or reproductive impacts. (DEC/DOW, BWAM/RIBS, January 2005)

Biological (macroinvertebrate) assessments of Fish Creek in Becks Grove (at New Oswego Road) was also conducted in 2001. Sampling results were assessed using sandy stream criteria to account for the low-gradient habitat and fine-sediment substrate and the site was determined to be slightly impacted. Based on the upstream assessment and the

consideration of the habitat conditions at the downstream site, this segment is assessed as having no known impacts. However nutrient biotic evaluation suggests stresses to aquatic life at lower reach and further monitoring of the site is recommended. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and selected/smaller tribs. The waters of the stream (from the mouth to the confluence of the East and West Branches) are Class C,C(T). Tribs to this reach/segment, including Lower Vienna Brook (-3) and Sash Factory Brook (-9), are Class C,C(T),C(TS). NYS Barge Canal, Wood Creek (-1), Upper Vienna Brook (-3), East Branch (-14) and West Branch are listed separately.

Wood Creek and minor tribs (0703-0012) MinorImpacts

Waterbody Location Information

Revised: 05/24/2007

Water Index No:	Ont 66-11-P26-24- 1			**Drain Basin:**	Oswego-Seneca-Oneida
Hydro Unit Code:	04140202/040	**Str Class:**	D		Oneida River
Waterbody Type:	River			**Reg/County:**	6/Oneida Co. (33)
Waterbody Size:	151.1 Miles			**Quad Map:**	SYLVAN BEACH (I-18-1)
Seg Description:	entire stream and selected tribs				

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

Known: - - -
Suspected: NUTRIENTS, SILT/SEDIMENT
Possible: Pathogens

Source(s) of Pollutant(s)

Known: - - -
Suspected: AGRICULTURE, URBAN/STORM RUNOFF
Possible: Construction, Streambank Erosion, Other Sanitary Disch

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 3 (Cause Identified, Source Unknown)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support and recreation in Wood Creek are known to experience minor impacts due to nutrient and silt/sediment loadings and other inputs from wide range (urban, agricultural, other) nonpoint sources in the watershed.

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Wood Creek in Rome, Oneida County, (at Route 69/Erie Boulevard) was conducted in 2002. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. During this sampling the biological (macroinvertebrate) sampling results indicated slightly impacted water quality conditions. The impacts were attributed to urban runoff sources. Water column sampling revealed mercury to be a parameter of concern. The presence of mercury is not unusual in waters of this region which are impacted by atmospheric deposition of pollutants. Very limited bacteriological sampling (3 samples) also revealed some elevated levels. Toxicity testing of the water column showed no significant mortality or reproductive impacts. (DEC/DOW, BWAM/RIBS, January 2005)

Biological (macroinvertebrate) assessments of Black Creek were conducted in Seifert Corners in 2001 (at Seifert Road). Sampling results also sites indicated slightly impacted water quality conditions at this downstream site. Nonpoint source nutrient enrichment and organic decomposable wastes were identified as primary causes of impact in the stream. Habitat conditions influence sampling results at this site which consists of runs with few riffles and upstream wetlands. Although aquatic life is supported in the stream, nutrient biotic evaluation suggests the level of eutrophication is sufficient to stress aquatic life support. (DEC/DOW, BWAM/SBU, June 2005)

Wood Creek drain a diverse watershed that includes urban fringes of Rome, suburban development and significant agricultural activity. This stream is believed to be a significant source of nutrients to Oneida Lake.

This segment includes the entire stream and selected/smaller tribs. The waters of the stream are primarily Class D, with portions designated Class C(T). Tribs to this reach/segment, including Drum Creek (-3) and Beaver Brook (-4), are Class C,C(T),C(TS). Stony Creek (-8), Canada Creek (-10) and the portion of the Barge Canal are listed separately.

Stony Creek and tribs (0703-0065) MinorImpacts

Waterbody Location Information

Revised: 05/24/2007

Water Index No:	Ont 66-11-P26-24- 1- 8	**Drain Basin:**	Oswego-Seneca-Oneida
Hydro Unit Code:	04140202/040 **Str Class:** C		Oneida River
Waterbody Type:	River	**Reg/County:**	6/Oneida Co. (33)
Waterbody Size:	46.9 Miles	**Quad Map:**	VERONA (I-18-2)
Seg Description:	entire stream and tribs		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus)
Suspected: D.O./Oxygen Demand
Possible: - - -

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 3 (Cause Identified, Source Unknown)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support and recreational uses in Stony Creek are known to experience minor impacts due to nutrient enrichment from agricultural nonpoint sources.

A biological (macroinvertebrate) assessment of Stony Creek in Verona Mills (at Wehling Road) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. Nutrient enrichment was indicated in the sampling of this sluggish stream. Algae was abundant and the macroinvertebrate community was dominated by filter-feeding caddisflies and midges. Although aquatic life is supported in the stream, nutrient biotic evaluation indicates the level of eutrophication is sufficient to stress aquatic life support. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment are also Class C.

Canada Creek and tribs (0703-0010) Need Verific

Waterbody Location Information

Revised: 05/21/2007

Water Index No: Ont 66-11-P26-24- 1-10
Hydro Unit Code: 04140202/040 **Str Class:** C
Waterbody Type: River
Waterbody Size: 77.6 Miles
Seg Description: entire stream and tribs

Drain Basin: Oswego-Seneca-Oneida
Oneida River
Reg/County: 6/Oneida Co. (33)
Quad Map: VERONA (I-18-2)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Fish Consumption	Stressed	Possible
Recreation	Stressed	Possible

Type of Pollutant(s)

Known: - - -
Suspected: PRIORITY ORGANICS (volatile organics)
Possible: Metals

Source(s) of Pollutant(s)

Known: - - -
Suspected: LANDFILL/LAND DISP. (Rome Landfill)
Possible: Tox/Contam. Sediment

Resolution/Management Information

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

Further Details

Recreational uses, including fish consumption, in Canada Creek may experience impacts from priority organics related to a nearby landfill.

Previous assessments had noted water quality concerns related to an area landfill, agricultural runoff, changing land use and junkyards in the watershed. The landfill of concern is the Rome Landfill (6-33-012), an inactive municipal landfill where industrial/hazardous wastes from various companies in the city were disposed. The landfill is located in a wetland adjacent to the stream. A Remedial Investigation/Feasibility Study (RI/FS) was completed in early 1995, and a Record of Decision (ROD) was signed in March of 1995. The ROD called for considerable remediation of the site and the extension of the drinking water main to residences with well contamination along Tannery Road. Extension of the water line was completed in 1996 and all residences are now connected to it. Construction of the landfill cap and the leachate collection system was completed in September of 1997, although other work is continuing. A site inspection in June of 2001 revealed that there is still a serious leachate concern here. Leachate

flow from the landfill passed underneath an adjacent ash fill and eventually migrated across an old railroad bed and then to a roadside ditch. Additional investigation is needed to evaluate the potential impact of the leachate to health and the environment, and also the effectiveness of the remedy. (DEC/DER, Hazardous Waste Site database, 2006). A biological (macroinvertebrate) assessment of Canada Creek in Seifert Corners (at Tannery Road) was conducted in 2001. Sampling results indicated non-impacted water quality conditions. The fauna was dominated by clean-water mayflies. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Brandy Brook (-a), Beaver Creek (-2) and Burk Creek (-6), are Class C,C(T),C(TS).