

Waterbody Inventory for Seneca River (Clyde River) Watershed

Water Index Number	Waterbody Segment	Category
Clyde River/Ganargua Creek Watershed		
Ont 66-12-52	NYS Barge Canal/Clyde River (portion 6) (0704-0017)	UnAssessed
Ont 66-12-52	NYS Barge Canal/Clyde River (portion 7) (0704-0027)	MinorImpacts
Ont 66-12-52- 1	Black Brook and tribs (0704-0007)	Need Verific
Ont 66-12-52- 1 thru 22 (selected)	Minor Tribs to Clyde River (0704-0008)	Need Verific
Ont 66-12-52-18	Pond Brook and tribs (0704-0004)	Need Verific
Ont 66-12-52-18- P238,P240	Junius Ponds (0704-0028)	UnAssessed
Ont 66-12-52-18-4a-P244	Burnett Pond (0704-0029)	UnAssessed
Ont 66-12-52-23	Ganargua Creek, Lower, and minor tribs (0704-0026)	MinorImpacts
Ont 66-12-52-23	Ganargua Creek, Upper, and minor tribs (0704-0013)	MinorImpacts
Ont 66-12-52-23 (Mud Creek)	Mud Creek, Lower, and minor tribs (0704-0030)	MinorImpacts
Ont 66-12-52-23 (Mud Creek)	Mud Creek, Upper, and tribs (0704-0031)	UnAssessed
Ont 66-12-52-23- 1	Marbletown Creek and tribs (0704-0003)	UnAssessed
Ont 66-12-52-23- 8	Fairville Creek and tribs (0704-0032)	UnAssessed
Ont 66-12-52-23-17	Red Creek and tribs (0704-0015)	Need Verific
Ont 66-12-52-23-24	Red Creek and tribs (0704-0033)	MinorImpacts
Ont 66-12-52-23-43	Great Brook and minor tribs (0704-0034)	Impaired Seg
Ont 66-12-52-23-43..P263a,P263b	Fairport Reservoirs (0704-0035)	UnAssessed
Ont 66-12-52-23-43..P263a/b-	Tribs to Fairport Reservoirs (0704-0036)	UnAssessed
Ont 66-12-52-23-45	Fish Creek and tribs (0704-0037)	UnAssessed
Ont 66-12-52-23-46	Beards/Beaver Creek and tribs (0704-0038)	UnAssessed
Ont 66-12-52-23-51	Schaffer Creek and tribs (0704-0039)	UnAssessed
Ont 66-12-52-23-52-P267	Sterling Pond (0704-0040)	UnAssessed
Ont 66-12-52-23..(Barge Canal)	NYS Barge Canal (portion 5) (0704-0020)	Impaired Seg
Ont 66-12-52-23..(Barge Canal)-	Minor Tribs to Barge Canal (0704-0019)	UnAssessed
Canandaigua Outlet Watershed		
Ont 66-12-52..	Canadaigua Outlet, Low, and minor trib (0704-0041)	MinorImpacts
Ont 66-12-52..	Canadaigua Outlet, Mid, and minor tribs (0704-0042)	MinorImpacts
Ont 66-12-52..	Canadaigua Outlet, Upp, and minor tribs (0704-0011)	MinorImpacts
Ont 66-12-52..35	Marsh Creek and tribs (0704-0043)	UnAssessed
Ont 66-12-52..40	Flint Creek, Lower, and tribs (0704-0044)	MinorImpacts
Ont 66-12-52..40	Flint Creek, Upper, and tribs (0704-0006)	MinorImpacts
Ont 66-12-52..40-P273	Newark Reservoir (0704-0045)	UnAssessed
Ont 66-12-52..46	Rocky Run and tribs (0704-0046)	UnAssessed
Ont 66-12-52..49	Black Brook and tribs (0704-0047)	UnAssessed
Canandaigua Lake Watershed		
Ont 66-12-52..P286	Canandaigua Lake (0704-0001)	Threat(Poss)
Ont 66-12-52..P286- 1 thru 17	Minor Tribs to Canandaigua Lake, Eastern (0704-0048)	UnAssessed

...Seneca River (Clyde River) Watershed

Water Index Number	Waterbody Segment	Category
Canandaigua Lake Watershed (con't)		
Ont 66-12-52..P286-18	West River, Lower, and minor tribs (0704-0049)	MinorImpacts
Ont 66-12-52..P286-18	West River, Upper, and tribs (0704-0050)	UnAssessed
Ont 66-12-52..P286-18- 2	Naples Creek, Lower, and minor tribs (0704-0051)	Need Verific
Ont 66-12-52..P286-18- 2	Naples/Eelpot Cr, Upper, and minor tribs (0704-0052)	UnAssessed
Ont 66-12-52..P286-18- 2- 8	Grimes Creek and tribs (0704-0002)	Need Verific
Ont 66-12-52..P286-18- 2-10	Reservoir Creek, Upper, and tribs (0704-0053)	UnAssessed
Ont 66-12-52..P286-19 thru 49	Minor Tribs to Canandaigua Lake, Western (0704-0054)	UnAssessed

NYS Barge Canal/Clyde River (portion 7) (0704-0027) MinorImpacts

Waterbody Location Information

Revised: 08/13/2007

Water Index No:	Ont 66-12-52	Drain Basin:	Oswego-Seneca-Oneida
Hydro Unit Code:	04140201/280	Str Class:	C
Waterbody Type:	River	Reg/County:	8/Wayne Co. (59)
Waterbody Size:	31.5 Miles	Quad Map:	SAVANNAH (I-13-3)
Seg Description:	portion from Montezuma to Clyde		

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: D.O./OXYGEN DEMAND, NUTRIENTS
Possible: Pathogens

Source(s) of Pollutant(s)

Known: ---
Suspected: AGRICULTURE, Municipal
Possible: On-Site/Septic Syst

Resolution/Management Information

Issue Resolvability:	1 (Needs Verification/Study (see STATUS))	
Verification Status:	3 (Cause Identified, Source Unknown)	
Lead Agency/Office:	DOW/Reg8	Resolution Potential: Medium
TMDL/303d Status:	n/a	

Further Details

Aquatic life support and recreational uses in this portion of the NYS Barge Canal and Clyde River are known to experience impacts due to organic wastes from various nonpoint and/or discharges in the area.

A biological (macroinvertebrate) assessment of the Barge Canal/Clyde River in Clyde (at canal light 586) was conducted in 2001. Sampling results indicated moderately impacted water quality conditions. This represented a decline in water quality from previous sampling. The samples indicated organic (decomposable) wastes were the primary cause of the impacts. Zebra mussels, which have significant impact on other portions of the canal, did not appear to influence this sample. (DEC/DOW, BWAM/SBU, June 2004)

This segment includes the portion of the canal/river from the confluence with the Seneca River near Montezuma to Melvin Brook (-10) in Clyde. The waters of this portion of the river/canal are Class C. Tribs to this reach/segment are listed separately.

Black Brook and tribs (0704-0007)

Need Verific

Waterbody Location Information

Revised: 08/13/2007

Water Index No:	Ont 66-12-52- 1	Drain Basin:	Oswego-Seneca-Oneida
Hydro Unit Code:	04140201/260	Str Class:	C
Waterbody Type:	River	Reg/County:	8/Seneca Co. (50)
Waterbody Size:	39.3 Miles	Quad Map:	SENECA FALLS (J-13-2)
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	Possible
Recreation	Stressed	Possible

Type of Pollutant(s)

Known: ---
 Suspected: UNKNOWN TOXICITY
 Possible: Nutrients

Source(s) of Pollutant(s)

Known: ---
 Suspected: LANDFILL/LAND DISP.
 Possible: Agriculture

Resolution/Management Information

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

Further Details

Aquatic life support and recreational uses in Black Brook may continue to experience minor impacts due to toxic pollutants from land disposal activities.

The stream flows through the Seneca Meadows Landfill. This is an active landfill site with a site monitor. Previous Part 360 violations have been issued in the past (1990s) due to leachate runoff. Current conditions and verification of any impacts need to be documented.

The barnyard and on-site system problems are isolated incidents.

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.

Minor Tribs to Clyde River (0704-0008)

Need Verific

Waterbody Location Information

Revised: 08/13/2007

Water Index No: Ont 66-12-52- 1 thru 22 (selected) **Drain Basin:** Oswego-Seneca-Oneida
Hydro Unit Code: 04140201/260 **Str Class:** C Seneca/Clyde Rivers
Waterbody Type: River **Reg/County:** 8/Wayne Co. (59)
Waterbody Size: 159.8 Miles **Quad Map:** LYONS (I-13-4)
Seg Description: total length of selected tribs, fr Montezuma to Lyons

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: D.O./OXYGEN DEMAND, Nutrients
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: AGRICULTURE
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 1 (Waterbody Nominated, Problem Not Verified)
Lead Agency/Office: DOW/Reg8 **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support and recreational uses in these tribs the Clyde River may continue to experience minor impacts due to nutrients and low dissolved oxygen from agricultural activities in the watershed.

Previous assessments noted that barnyard runoff and the dumping of excess milk in the stream had impact on the fishery as well as the aesthetics of the stream. These problems were not considered to be widespread at the time. Current conditions and verification of any impacts need to be documented.

This segment includes the total length of selected/smaller tribs to the Clyde River from the confluence with the Seneca River near Montezuma to Canandaigua Outlet in Lyons. Tribs within this segment, including White Brook (-2), Melvin Brook (-10) and Black Brook (-12), are Class C. Black Brook (-1), Pond Brook (-18) and Canandaigua Outlet are listed separately.

Pond Brook and tribs (0704-0004)

Need Verific

Waterbody Location Information

Revised: 08/13/2007

Water Index No: Ont 66-12-52-18
Hydro Unit Code: 04140201/260 **Str Class:** C
Waterbody Type: River
Waterbody Size: 31.3 Miles
Seg Description: entire stream and tribs

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Seneca Co. (50)
Quad Map: LYONS (I-13-4)

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: D.O./OXYGEN DEMAND
Possible: Nutrients

Source(s) of Pollutant(s)

Known: ---
Suspected: AGRICULTURE
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 1 (Waterbody Nominated, Problem Not Verified)
Lead Agency/Office: DOW/BWAM **Resolution Potential:** Medium
TMDL/303d Status: 3a (Waterbody Requiring Verification of Impairment)

Further Details

Aquatic life support and recreational uses in Pond Brook may continue to experience minor impacts due to low dissolved oxygen and nutrients from agricultural activities in the watershed.

Previous assessments noted that barnyard runoff and silage leakage had impact on the fishery as well as the aesthetics of the stream. Fisheries surveys at the time documented impacts below the agricultural areas. Formal enforcement action was taken again one of the farms in 1990. Current conditions and verification of any impacts need to be documented.

Pond Brook is currently included on the NYS 2006 Section 303(d) List of Impaired Waters. The lake is included on Part 3a of the List as a Water Requiring Verification of Impairment.

This segment includes the entire stream and all tribs. The waters of the stream are primarily Class C. Some tribs (those connecting the Junius Ponds) are Class A. Other tribs to this reach/segment, including Dublin Brook, are also Class C.

Ganargua Creek, Lower, and minor tribs (0704-0026)

MinorImpacts

Waterbody Location Information

Revised: 08/10/2007

Water Index No: Ont 66-12-52-23
Hydro Unit Code: 04140201/230 **Str Class:** C
Waterbody Type: River
Waterbody Size: 50.6 Miles
Seg Description: stream and selected tribs, from Lyons to Palmyra

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Wayne Co. (59)
Quad Map: NEWARK (I-12-3)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: CONSTRUCTION (development), URBAN/STORM RUNOFF, Municipal (Newark WWTP)
Suspected: Agriculture
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support in this portion of Ganargua Creek is thought to experience minor impacts due to nutrients from primarily nonpoint sources. Impacts from municipal discharges had been identified in the past, but additional sampling is recommended to determine the whether these impacts continue.

A biological (macroinvertebrate) survey of Ganargua Creek at multiple sites between East Victor and Lyons was conducted in 1996. Sampling results indicated primarily slightly impacted water quality conditions. However moderate impact was noted in Mud Mills below the Newark WWTP. One of these reaches was in this lower portion of the creek in Mud Mills, below the Newark WWTP. Another short reach upstream and outside this portion of the creek was similarly impacted. This impact represents a worsening of conditions since previous sampling in 1980 when slight impact was found. The assessment for this waterbody is listed as suspected due to the length of time since it was last sampled. (DEC/DOW, BWAM/SBU, June 2003)

The Newark WWTP experiences high plant flows resulting from inflow/infiltration problems in the collection system. And a constriction in the effluent line also restricts the ability to handle flow, particularly during wet weather events. Resolution to these problems are being discussed. (DEC/DOW, Region 8, Aug 2007)

This segment includes the portion of the stream and selected/smaller tribs from the confluence with the Barge Canal in Lyons to the diversion spillway at the Barge Canal near Palmyra. The waters of this portion of the stream are Class C. Tribs to this reach/segment, including Lower Military Run (-11), are Class C,C(T). Marletown Creek (-1), Fairville Creek (-8) and Red Creek (17) are listed separately.

Ganargua Creek, Upper, and minor tribs (0704-0013)

MinorImpacts

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52-23
Hydro Unit Code: 04140201/160 **Str Class:** C
Waterbody Type: River
Waterbody Size: 67.1 Miles
Seg Description: stream and selected tribs, from Palmyra to Victor

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Wayne Co. (59)
Quad Map: MACEDON (I-11-3)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus)
Suspected: Silt/Sediment
Possible: D.O./Oxygen Demand, Ammonia

Source(s) of Pollutant(s)

Known: CONSTRUCTION (development), URBAN/STORM RUNOFF
Suspected: Agriculture, Municipal
Possible: - - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support in this portion of Ganargua Creek is known to experience minor impacts due to nutrients from primarily nonpoint sources. Impacts from municipal discharges had been identified in the past, but additional sampling is recommended to determine the whether these impacts continue.

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Ganargua Creek in Macedon, Wayne County, (at Erie Road) 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 are attributed to nonpoint source nutrient enrichment. Water column sampling revealed dissolved solids and iron to be parameters of concern, however these finding are thought to be more reflective of natural conditions in the basin than a source of water quality impacts. Toxicity testing of the water column showed significant mortality and reproductive impacts in one of the three tests conducted. (DEC/DOW, BWAM/RIBS, January 2005)

A biological (macroinvertebrate) assessment of Ganargua Creek in Macedon was also conducted in 2001. Sampling results at that time also indicated slightly impacted water quality. Previous sampling in 1980 and prior reflected non-impacted conditions. The headwaters of the creek are in the Town of Victor, a rapidly growing suburb of Rochester.

Recent development in the watershed and along the stream (including a golf course) increases the nutrient and other loadings to the stream. This stream is typical of many waters in the state that are slipping from non-impacted to slightly impacted due to nonpoint source nutrient enrichment attributed to development pressures. A survey of the entire Ganargua Creek at multiple sites between East Victor and Lyons was conducted in 1996. Sampling results at that time also indicated primarily slightly impacted water quality conditions. However moderate impact was noted along one short reach below Victor and Farmington related to municipal discharges. Another short reach outside this portion of the creek was similarly impacted. Since this sampling, the Village of Victor WWTP has been updated and is meeting permit discharge limits and the Farmington WWTP is about to complete and upgrade as well. Due to the length of time since it was last sampled, conditions regarding this impact should be verified. (DEC/DOW, BWAM/SBU, August 2007)

This segment includes the portion of the stream and selected/smaller tribs from the confluence with the Barge Canal in Palmyra to Mud Creek in Victor. The waters of this portion of the stream are Class C. Tribs to this reach/segment, including Trapp Brook (-33), are also Class C. Great Brook (-43) and Mud Creek are listed separately.

Mud Creek, Lower, and minor tribs (0704-0030)

MinorImpacts

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52-23 (Mud Creek) **Drain Basin:** Oswego-Seneca-Oneida
Hydro Unit Code: 04140201/160 **Str Class:** C Seneca/Clyde Rivers
Waterbody Type: River **Reg/County:** 8/Ontario Co. (35)
Waterbody Size: 35.5 Miles **Quad Map:** VICTOR (J-11-1)
Seg Description: stream and selected tribs, from Victor to S.Bloomfield

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus)
Suspected: AMMONIA, Chlorine, D.O./Oxygen Demand, Silt/Sediment
Possible: ---

Source(s) of Pollutant(s)

Known: AGRICULTURE, CONSTRUCTION (development), URBAN/STORM RUNOFF
Suspected: Municipal
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support in this portion of Mud Creek is known to experience minor impacts due primarily to nutrients from nonpoint sources. Impacts from municipal discharges had been identified in the past, but additional sampling is recommended to determine the whether these impacts continue.

A biological (macroinvertebrate) assessment of Mud Creek in East Victor (at Route 96) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. This site had been assessed as non-impacted in previous sampling conducted in 1996. This stream is typical of many waters in the state that are slipping from non-impacted to slightly impacted due to nonpoint source nutrient enrichment attributed to development pressures. Sampling at an additional site below the Farmington WWTP (at railroad bridge) conducted in 1996 found moderately impacted conditions attributed to municipal/industrial discharges. However since this sampling the Farmington WWTP has initiated an upgrade to expand plant capacity; the upgrade is nearing completion. Due to the length of time since it was last sampled, conditions regarding this impact should be verified. (DEC/DOW, BWAM/SBU, August 2007)

This segment includes the portion of the stream and selected/smaller tribs from the confluence with Ganargua Creek in Victor to/including unnamed trib (-56) near South Bloomfield. The waters of this portion of the stream are Class C. Tribs to this reach/segment are also Class C. Fish Creek (-45), Beards/Beaver Creek (-46) and Schaffer Creek (-51) are listed

separately.

Red Creek and tribs (0704-0015)

Need Verific

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52-23-17
Hydro Unit Code: 04140201/230 **Str Class:** C
Waterbody Type: River
Waterbody Size: 39.1 Miles
Seg Description: entire stream and tribs

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Wayne Co. (59)
Quad Map: PALMYRA (I-12-4)

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

Source(s) of Pollutant(s)

Known: ---
Suspected: AGRICULTURE
Possible: Industrial

Resolution/Management Information

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

Further Details

Aquatic life support in Red Creek may experience minor impacts due to nutrients and BOD loading from agricultural activities and a food processing discharge.

Previously, concerns were raised regarding the impact of nonpoint runoff from agricultural fields with high application rates of apple pomace. A food processing plant discharge was although thought to be contributing to the loading in the stream. Sampling to verify the actual level of impact in the stream is recommended. (DEC/DOW, BWAM/RIBS, June 2005)

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

Red Creek and tribs (0704-0033)

MinorImpacts

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52-23-24
Hydro Unit Code: 04140201/230 **Str Class:** C
Waterbody Type: River
Waterbody Size: 78.3 Miles
Seg Description: entire stream and tribs

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Wayne Co. (59)
Quad Map: PALMYRA (I-12-4)

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: ALGAL/WEED GROWTH, NUTRIENTS (phosphorus), Silt/Sediment
Suspected: ---
Possible: ---

Source(s) of Pollutant(s)

Known: HABITAT MODIFICATION
Suspected: AGRICULTURE
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support and recreational uses in Red Creek are known to experience minor impacts due to nonpoint nutrients and silt/sediment. Aquatic weed growth also contributes to the impacts.

A biological (macroinvertebrate) assessment of Red Creek in Palmyra (at Maple Avenue) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. The stream carried an abundance of aquatic weeds (duckweed) indicating ponded waters upstream. The ponded water likely influenced the sample. Specific conductance at the site was quite high also. Although aquatic life is supported in the stream, nutrient biotic evaluation indicates/suggests the level of eutrophication is sufficient to stress/threaten 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, including Black Creek (-9) are Class C,C(T).

Great Brook and minor tribs (0704-0034)

Impaired Seg

Waterbody Location Information

Revised: 08/15/2007

Water Index No:	Ont 66-12-52-23-43	Drain Basin:	Oswego-Seneca-Oneida
Hydro Unit Code:	04140201/160	Str Class:	C
Waterbody Type:	River	Reg/County:	8/Ontario Co. (35)
Waterbody Size:	33.2 Miles	Quad Map:	VICTOR (J-11-1)
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	Impaired	Suspected
RECREATION	Impaired	Suspected
Aesthetics	Stressed	Known

Type of Pollutant(s)

Known: D.O./OXYGEN DEMAND, NUTRIENTS (phosphorus), SILT/SEDIMENT, Aesthetics (floatables)
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)

Known: URBAN/STORM RUNOFF
 Suspected: MUNICIPAL, Agriculture
 Possible: ---

Resolution/Management Information

Issue Resolvability:	1 (Needs Verification/Study (see STATUS))	
Verification Status:	4 (Source Identified, Strategy Needed)	
Lead Agency/Office:	DOW/Reg8	Resolution Potential: Medium
TMDL/303d Status:	1*	

Further Details

Aquatic life support and recreational uses in Great Brook are thought to be impaired by low dissolved oxygen the result of urban runoff and other primarily nonpoint sources. Municipal wastewater discharges are also thought to contribute to water quality impacts.

A biological (macroinvertebrate) assessment of Great Brook in Victor (at Maple Avenue) was conducted in 2001. Sampling results indicated moderately impacted water quality conditions. Silt and sedimentation was evident in the stream and considerable trash and other urban runoff impacts were also noted. Sampling at an alternate site downstream of the Village of Victor WWTP conducted in 1996 also found moderately impacted conditions. At the time, sewage effluent was identified as the cause of the impacts. Since this sampling the Victor WWTP has completed an upgrade of the plant and is currently meeting permit discharge limits. Due to the length of time since it was last sampled, conditions regarding the sewage impacts should be verified. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and selected/smaller tribs. The waters of this portion of the stream are Class C. Tribs to this reach/segment, Sucker Brook (-6), are also Class C. Tribs to the Fairport Reservoirs are listed separately.

NYS Barge Canal (portion 5) (0704-0020)

Impaired Seg

Waterbody Location Information

Revised: 08/13/2007

Water Index No: Ont 66-12-52-23..(Barge Canal) **Drain Basin:** Oswego-Seneca-Oneida
Hydro Unit Code: 04140201/230 **Str Class:** C Seneca/Clyde Rivers
Waterbody Type: River **Reg/County:** 8/Wayne Co. (59)
Waterbody Size: 23.5 Miles **Quad Map:** NEWARK (I-12-3)
Seg Description: portion from Lyons to Wayneport

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: D.O./OXYGEN DEMAND, Water Level/Flow, Nutrients
Possible: Pathogens

Source(s) of Pollutant(s)

Known: - - -
Suspected: MUNICIPAL, Agriculture, Hydro Modification, Urban/Storm Runoff
Possible: On-Site/Septic Syst, Other Sanitary Disch

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 3 (Cause Identified, Source Unknown)
Lead Agency/Office: DOW/Reg8 **Resolution Potential:** Medium
TMDL/303d Status: 3a*

Further Details

Aquatic life support and recreational uses in this portion of the NYS Barge Canal are impaired due to oxygen-demanding substances that cause low dissolved oxygen. Municipal discharges are the likely source of the pollutants. Zebra mussel infestation of the canal may also be contributing to the impacts.

A biological (macroinvertebrate) assessment of the Barge Canal in Newark (at canal light 719) was conducted in 2006. Multiple sampling results indicated moderately impacted water quality conditions. The fauna was dominated by sewage-tolerant midges. Zebra mussels were numerous on the plates, but not so numerous that they invalidated the samples. Habitat factors (slow current) may have some effect on the results, but the samples showed greater impacts than previous sampling results. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the canal from Canadaigua Outlet in Lyons to the western edge of the drainage basin in Wayneport. The waters of this portion of the canal are Class C.

Canadaigua Outlet, Low, and minor trib (0704-0041)

MinorImpacts

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52..
Hydro Unit Code: 04140201/220 **Str Class:** C
Waterbody Type: River
Waterbody Size: 68.5 Miles
Seg Description: stream and selected tribs, from Lyons to Phelps

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Wayne Co. (59)
Quad Map: GENEVA NORTH (J-13-1)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus)
Suspected: Silt/Sediment
Possible: - - -

Source(s) of Pollutant(s)

Known: AGRICULTURE, URBAN/STORM RUNOFF
Suspected: - - -
Possible: Municipal

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support in this portion of Canadaigua Creek is known to experience minor impacts due to nutrients from nonpoint sources.

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Canadaigua Outlet in Alloway, Wayne County, (at Route 339) 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 site was determined to be impacted by nonpoint sources that result in nutrient enrichment of the stream. Although aquatic life is supported in the stream, nutrient biotic evaluation suggests the level of eutrophication is sufficient to stress aquatic life support. Water column sampling revealed dissolved solids to be a parameter of concern. However this finding is consistent with high conductivity that is characteristic on this basin. One of ten samples collected showed mercury to be present above detection levels. Toxicity testing of the water column showed no significant mortality or reproductive impacts. (DEC/DOW, BWAM/RIBS, January 2005)

A biological (macroinvertebrate) assessment of Canadaigua Creek in Alloway (at Alloway Road) was also conducted in 2001 as part of teh RIBS Biological Screening effort. Sampling results indicated slightly impacted water quality

conditions in this sample as well. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and selected/smaller tribs from the mouth at the Seneca River in Lyons to Flint Creek (-40) in Phelps. The waters of this portion of the stream are Class C. Tribs to this reach/segment are Class C,C(T). Marsh Creek (-35), Flint Creek (-40) and Middle/Upper Canadaigua Outlet are listed separately.

Canadaigua Outlet, Mid, and minor tribs (0704-0042)

MinorImpacts

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52..
Hydro Unit Code: 04140201/220 **Str Class:** C
Waterbody Type: River
Waterbody Size: 45.9 Miles
Seg Description: stream and selected tribs, from Phelps to Manchester

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Ontario Co. (35)
Quad Map: CLIFTON SPRINGS (J-12-1)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: AGRICULTURE, URBAN/STORM RUNOFF
Suspected: Industrial
Possible: - - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DOW/BWAM **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Aquatic life support in this portion of Canadaigua Creek is thought to experience minor impacts due to nutrients from nonpoint sources.

Biological (macroinvertebrate) assessments of Canadaigua Creek were conducted upstream at multiple sites between Manchester and Canadaigua in 2006 and downstream of this segment in Alloway (at Alloway Road) in 2001 and 2002. Sampling results upstream ranged from moderate to non-impacted, with better water quality noted farther downstream (i.e., closer to this reach). Slightly impacted water quality conditions were noted at the sites downstream of this reach. Both sites were determined to be impacted by nonpoint sources that result in nutrient enrichment of the stream. Though these sampling points lie just outside the described segment, they are considered representative of water quality in this reach. This segment should be considered as being evaluated rather than monitored. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and selected/smaller tribs from Flint Creek (-40) in Phelps to Black Brook (-49) in Manchester. The waters of this portion of the stream are Class C,C(T). Tribs to this reach/segment are primarily Class C,C(T); Sulphur Creek (-44) is Class D. Flint Creek (-40), Rocky Run (-46), Black Brook (-49) and Lower/Upper Canadaigua Outlet are listed separately.

Canadaigua Outlet, Upp, and minor tribs (0704-0011) MinorImpacts

Waterbody Location Information

Revised: 08/09/2007

Water Index No:	Ont 66-12-52..	Drain Basin:	Oswego-Seneca-Oneida
Hydro Unit Code:	04140201/220	Str Class:	C
Waterbody Type:	River	Reg/County:	8/Ontario Co. (35)
Waterbody Size:	67.4 Miles	Quad Map:	CLIFTON SPRINGS (J-12-1)
Seg Description:	stream and selected tribs, fr Manchester to Canandaigua		

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus)
Suspected: D.O./OXYGEN DEMAND, Silt/Sediment, Unknown Toxicity
Possible: ---

Source(s) of Pollutant(s)

Known: URBAN/STORM RUNOFF
Suspected: Agriculture, Municipal
Possible: ---

Resolution/Management Information

Issue Resolvability:	1 (Needs Verification/Study (see STATUS))	
Verification Status:	3 (Cause Identified, Source Unknown)	
Lead Agency/Office:	DOW/Reg8	Resolution Potential: Medium
TMDL/303d Status:	n/a	

Further Details

Aquatic life support in this portion of Canandaigua Creek is known to experience minor impacts due to nutrients from nonpoint sources. Impacts from municipal discharges and urban/storm runoff are suspected.

A biological (macroinvertebrate) survey of Canandaigua Creek at multiple sites from Canandaigua to Manchester was conducted in 2005. Sampling results indicated that water quality conditions ranged from non-impacted to moderately impacted. These findings are similar to previous sampling results. Results showed that water quality improved as one moved downstream. The moderate impacts at the head of the segment are the result of a combination of impoundment effects which influence the sample and municipal wastewater inputs. The City of Canandaigua WWTP appears to provide adequate wastewater treatment based on downstream sampling showing eventual return to non-impacted water quality. Nonpoint sources that result in some nutrient enrichment of the stream also influence water quality. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and selected/smaller tribs from Black Brook (-49) in Manchester to Canandaigua Lake, including feeder canal. The waters of this portion of the stream are Class C. Tribs to this reach/segment, including Padelford Brook (-50) and Freshour Creek (-52) are also Class C. Black Brook (-49) and

Lower/Upper Canadaigua Outlet are listed separately.

Flint Creek, Lower, and tribs (0704-0044)

MinorImpacts

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52..40
Hydro Unit Code: 04140201/210 **Str Class:** C
Waterbody Type: River
Waterbody Size: 51.9 Miles
Seg Description: stream and tribs, from mouth to Gorham

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Ontario Co. (35)
Quad Map: PHELPS (J-12-2)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus), SILT/SEDIMENT
Suspected: UNKNOWN TOXICITY, D.O./Oxygen Demand, Pesticides
Possible: ---

Source(s) of Pollutant(s)

Known: AGRICULTURE, HABITAT MODIFICATION
Suspected: INDUSTRIAL, MUNICIPAL
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DOW/Reg8
TMDL/303d Status: n/a

Resolution Potential: Medium

Further Details

Aquatic life support in this portion of Flint Creek are known to experience impacts due to nutrient enrichment and other pollutants from agricultural nonpoint sources. Municipal and industrial discharges are also thought to be contributing to impacts.

A biological (macroinvertebrate) survey of Flint Creek at multiple sites between Phelps and Italy was conducted in 2002. Sampling results revealed water quality conditions that ranged from non-impacted to moderately impacted. Overall, aquatic life support in this reach is considered stressed. Above this segment in the upper reaches, non-impacted waters support wild populations of brown and rainbow trout. But as agricultural activity increases downstream, water quality declines to slightly impacted. At the upstream end of this reach, toxicity from complex municipal/industrial discharges appear to be a more prominent source. A municipal facility serving the Town of Gorham and a food processing facility both discharge to the stream in this area. Extensive muckland drainage also likely contributes to the impacts on the biota. Water quality conditions improve steadily downstream, returning to slightly impacted conditions. Silt and sedimentation becomes a more prevalent influence on water quality near the mouth. (DEC/DOW, BWAM/SBU, June 2005)

Previously, there have been concerns regarding the impact of pesticide use in this watershed on water quality and aquatic life support. A 1997 study by USGS found various pesticides in water samples. (USGS, 1998)

This segment includes the portion of the stream and all tribs from the mouth to the old dam in Gorham. The waters of this portion of the stream are Class C. Tribs to this reach/segment are also Class C. Upper Flint Creek is listed separately.

Flint Creek, Upper, and tribs (0704-0006)

MinorImpacts

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52..40
Hydro Unit Code: 04140201/210 **Str Class:** A
Waterbody Type: River
Waterbody Size: 137.2 Miles
Seg Description: stream and tribs, above Gorham

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Yates Co. (62)
Quad Map: RUSHVILLE (J-12-4)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Threatened	Possible
Aquatic Life	Stressed	Known

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus)
Suspected: UNKNOWN TOXICITY, D.O./Oxygen Demand, Pesticides, Silt/Sediment
Possible: ---

Source(s) of Pollutant(s)

Known: AGRICULTURE, HABITAT MODIFICATION
Suspected: INDUSTRIAL, MUNICIPAL
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DOW/Reg8
TMDL/303d Status: n/a

Resolution Potential: Medium

Further Details

Aquatic life support in this portion of Flint Creek are known to experience impacts due to nutrient enrichment and other pollutants from agricultural nonpoint sources. Municipal and industrial discharges are also thought to be contributing to impacts.

A biological (macroinvertebrate) survey of Flint Creek at multiple sites between Phelps and Italy was conducted in 2002. Sampling results revealed water quality conditions that ranged from non-impacted to moderately impacted. Overall, aquatic life support in this reach is considered stressed. In the upper reaches, non-impacted waters support wild populations of brown and rainbow trout. But as agricultural activity increases downstream, water quality declines to slightly impacted. In addition to agricultural nonpoint sources, habitat effects from swampy areas also likely influence the sampling results. At the downstream end of this reach, toxicity from complex municipal/industrial discharges appear to be a more prominent source. A municipal facility serving the Town of Gorham and a food processing facility both discharge to the stream in this area. Again, extensive muckland drainage also likely contributes to the impacts on the biota. (DEC/DOW, BWAM/SBU, June 2005)

Previously, there have been concerns regarding the impact of pesticide use in this watershed on water quality and aquatic

life support. A 1997 study by USGS found various pesticides in water samples. (USGS, 1998)

This segment includes the portion of the stream and all tribs above the old dam in Gorham. The waters of this portion of the stream are Class A. Tribs to this reach/segment, including Nettle Valley Creek (-26) and Segar Gully (-39) are Class C,C(T),C(TS). Lower Flint Creek is listed separately.

Canandaigua Lake (0704-0001)

Threat(Poss)

Waterbody Location Information

Revised: 08/13/2007

Water Index No: Ont 66-12-52..P286
Hydro Unit Code: 04140201/190 **Str Class:** AA(TS)
Waterbody Type: Lake
Waterbody Size: 10604.5 Acres
Seg Description: entire lake

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Ontario Co. (35)
Quad Map: CANANDAIGUA LAKE (J-11-3)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Threatened	Possible

Type of Pollutant(s)

Known: ---
Suspected: ---
Possible: OTHER POLLUTANTS

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 3 (Strategy Being Implemented)
Verification Status: 5 (Management Strategy has been Developed)
Lead Agency/Office: DEC/DOW
TMDL/303d Status: n/a

Resolution Potential: High

Further Details

Water supply uses in Canandaigua Lake may experience minor threats due to various activities in the watershed. The designation of this waterbody as a threatened water is reflective of a need to protect its particular resource value, rather than specifically identified threats.

Canandaigua Lake is best characterized as oligotrophic due to low phosphorus concentrations and chlorophyll a and high lake clarity. These trophic indicators have improved significantly over the past several decades. The water column of the lake remains well-oxygenated during the growing season. The rate of sediment deposition in the lake is one of the lowest in all Finger Lakes. (Water Quality Study of the Finger Lakes, DEC/DOW, July 2001)

A previously issued fish consumption advisory for the lake due to PCBs was lifted in 2005. Elevated levels of DDT have been noted in the lake, but these levels in the sediments have declined markedly over the last several decades.

Although there are no known water quality impacts in Canandaigua Lake, the segment is considered a highly valued water resource due to its drinking water supply classification of AA(TS). This designation indicates the lake is to be maintain so as to provide a potable water supply with a minimum of treatment. The inclusion of this waterbody on the DEC/DOW Priority Waterbodies List as a Threatened water is a reflection of the particular resource value reflected in this

designation and the need to provide additional protection, rather than any specifically identified threats.

West River, Lower, and minor tribs (0704-0049)

MinorImpacts

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52..P286-18
Hydro Unit Code: 04140201/190 **Str Class:** C
Waterbody Type: River
Waterbody Size: 39.8 Miles
Seg Description: stream and selected tribs, from mouth to Middlesex

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Yates Co. (62)
Quad Map: MIDDLESEX (K-11-2)

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus)
Suspected: Silt/Sediment
Possible: ---

Source(s) of Pollutant(s)

Known: AGRICULTURE
Suspected: ---
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC
TMDL/303d Status: n/a

Resolution Potential: Medium

Further Details

Aquatic life support and recreational uses in this portion of West River are known to experience impacts due to nutrient enrichment from agricultural and other nonpoint sources in the watershed.

A biological (macroinvertebrate) assessment of West River in Middlesex (at Valley View Road) was conducted in 2006. Sampling results indicated slightly impacted water quality conditions. Nonpoint source nutrient enrichment was identified as the likely cause of the impact. Previous sampling at this site in 2001 revealed conditions to be moderately impacted. Although aquatic life is supported in the stream and in spite of recent apparent improvement to slightly impacted, 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 portion of the stream and selected/smaller tribs from the mouth to/including unnamed trib (-16) in Middlesex. The waters of this portion of the stream are Class C. Tribs to this reach/segment are also Class C. Naples Creek (-2) and Upper West River are listed separately.

Naples Creek, Lower, and minor tribs (0704-0051)

Need Verific

Waterbody Location Information

Revised: 08/09/2007

Water Index No: Ont 66-12-52..P286-18-2
Hydro Unit Code: 04140201/180 **Str Class:** C(TS)
Waterbody Type: River
Waterbody Size: 22.3 Miles
Seg Description: stream and tribs, from mouth to Naples

Drain Basin: Oswego-Seneca-Oneida
Seneca/Clyde Rivers
Reg/County: 8/Ontario Co. (35)
Quad Map: BRISTOL SPRINGS (K-11-1)

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, SILT/SEDIMENT
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: AGRICULTURE
Possible: ---

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

Aquatic life support in Naples Creek may experience minor impacts/threats due to nutrients and silt/sediment from nonpoint sources.

A biological (macroinvertebrate) assessment of Naples Creek in Naples (at Parish Road) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions, however the impact likely reflects some habitat (impoundment) effect. A good diversity of macroinvertebrates was present, including mayflies, stoneflies and caddisflies. However many worms and scuds were also noted, reflecting high levels of silt and algae. Similar results were found during 1996 sampling, however that sample was assessed as within the range of non-impacted. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to Grimes Creek (-8) in Naples. The waters of this portion of the stream are Class C(TS). Tribs to this reach/segment are Class C. Grimes Creek (-8) and Upper Naples/Eelpot Creek are listed separately.

Grimes Creek and tribs (0704-0002)

Need Verific

Waterbody Location Information

Revised: 08/16/2007

Water Index No: Ont 66-12-52..P286-18- 2- 8 **Drain Basin:** Oswego-Seneca-Oneida
Hydro Unit Code: 04140201/190 **Str Class:** AA(TS) Seneca/Clyde Rivers
Waterbody Type: River **Reg/County:** 8/Ontario Co. (35)
Waterbody Size: 23.9 Miles **Quad Map:** NAPLES (K-11-4)
Seg Description: entire stream and tribs

Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Possible
Aesthetics	Stressed	Possible

Type of Pollutant(s)

Known: ---
Suspected: AESTHETICS, D.O./OXYGEN DEMAND, PATHOGENS, Nutrients
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ON-SITE/SEPTIC SYST, OTHER SANITARY DISCH, Urban/Storm Runoff
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

Aquatic life support and recreational uses in Grimes Creek may continue to experience impacts due to pollutants from storm sewers and inadequate on-site systems. Previous assessments of this creek indicated that failing onsite septic systems and other direct sanitary discharges to the creek impact recreational and other uses. Storm sewer discharges and other urban runoff in the Village of Naples were also noted as contributing to the impacts. Soil percolation rates in the village are too fast for subsurface disposal on a small lots to be appropriate. Naples is in the early stages of developing a proposal for sanitary sewers and a wastewater treatment system. Concerns had also been previously raised regarding the impact of the Widmer Winery discharge, however the discharge does not go to Grimes Creek (it discharges to a trib of Naples Creek) and the facility is in general compliance with its permit. (DEC/DOW, Region 8, August 2007)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(TS) from the mouth to the water supply intake and Class AA(TS) for the remainder of the reach. Tribs to this reach/segment are Class C,C(T).