

***Note:** The following is an abridged version of the 1996 PWL list and shows only those counties that pertain to the Oneida Lake watershed (Lewis, Madison, Oneida, Onondaga, and Oswego).*

Division of Water

**The 1996
Priority Waterbodies List
for
The Oswego-Seneca-Oneida
River Basin**

**including portions of the
Central and Eastern Lake Ontario Watersheds**

Encompassing all or portions of
Cayuga, Chemung, Cortland, Jefferson,
Lewis, Madison, Monroe, Oneida,
Onondaga, Ontario, Oswego, Seneca,
Schuyler, Steuben, Tompkins,
Wayne and Yates Counties

September 1996

The 1996 Priority Waterbodies List (PWL) for The Oswego-Seneca-Oneida River Basin including portions of the Central and Eastern Lake Ontario Watersheds

Periodically, the NYSDEC Division of Water publishes a list of surface waters that either cannot be fully used as a resource, or have problems that can damage their environmental integrity. This list--The Priority Waterbodies List (formerly referred to as the Priority Water Problems List, or PWP List)--is used as a base resource for Division of Water program management.

This listing of the Priority Waterbodies List (PWL) includes individual waterbody data sheets describing the conditions, causes, and sources of water quality problems in the Oswego-Seneca-Oneida Rivers Drainage Basin and portions of the Central and Eastern Lake Ontario Watersheds. Specifically, this document lists those PWL waters of or tributary to the Oswego River, or that enter Lake Ontario between the Oswego-Jefferson County line and the Wayne-Monroe County line (tributaries Ont 47 thru Ont 98, including P1041). This basin also includes waters of and tributary to the NYS Barge Canal between the Wayne-Monroe County line and the canal confluence with the Mohawk River in Rome. The waterbody data sheets in this document are compiled alphabetically by name, within each New York State county. Additionally, an alphabetical *Segment Summary*--listing all priority waters in the watershed by county--follows this page.

Users of the information contained in this document are reminded of the following special considerations:

- The PWL is a reflection of priority waterbodies at a specific moment in time. If additional waterbodies are declared by NYSDEC as closed to shellfishing or fishing or any other classified use subsequent to the preparation of this edition of the PWL, then those waterbodies should be considered use-impaired or use-precluded management priorities, notwithstanding their absence from this listing. Waterbodies may be added to or deleted from the PWL inventory prior to publication of the next list.
- In many cases, surface water systems are highly interrelated. In assessing management priorities, if it can be demonstrated that mitigation of a segment that is not on the PWL will result in benefits to a related PWL waterbody (i.e., a segment in the watershed tributary to a segment that is on the PWL), then that segment can be considered a management priority to the same extent as the related PWL waterbody.
- Waterbody segments which form the border between two or more counties will be listed only once, so as to avoid double counting the number of segments and/or the length/affected area. However, the county listing in the *Segment Summary* (immediately following this page) will list any border segments and indicate the one county to which the segment has been assigned. In the case of border lakes, the total affected lake area may be apportioned among the adjoining counties as is appropriate. Border segments are considered priorities for both/all counties that border the segment.
- Lake Ontario (entire lake) is included on the PWL due to a fish consumption advisory related to mirex and PCB contamination. This waterbody encompasses many basins and counties--with about 20-30% of the nearly 400 Lake Ontario shore miles located in the Oswego-Seneca-Oneida Rivers Basin. The complete information for this segment is included in the PWL as segment 0300-0001. The PWL information for Lake Ontario appears in this document under the Oswego County listing.
- The individual segment sheets include a new data field: *Resolution Potential*. Resolution Potential can be noted as *High, Medium, or Low*. High resolution potential indicates that the water quality problem has been deemed to be worthy of the expenditure of available resources (time and dollar) because of the level of

public interest and the expectation that the commitment of these resources will result in a measurable improvement in the situation. Medium resolution potential generally indicates that the resources necessary to address the problem are beyond what are *currently* available. Segments with low potential for resolution indicate water quality problems so persistent that improvements are expected to require an unrealistically high commitment of resources, not likely to become available (e.g., acid rain lakes).

NOTE: The *Segment Summary* on the following pages indicate *High* Resolution Potential segments with an asterisk (*).

- The publication of separate Priority Waterbodies List documents for each of the major drainage basins in New York State represents a change from previous practice. Previous periodic publication of the Priority Waterbodies List information (formerly referred to as the Priority Water Problems List) grouped the segments by and issued separate lists for each of the nine (9) NYSDEC regions, which are delineated by county lines. While the initial distribution of the drainage basin documents might be slightly more difficult, there is a tremendous advantage in having the information for ALL waterbodies within the same watershed in one report. The specific drainage basin reports that are included in the 1996 PWL Report Series are outlined below.

Niagara River-Lake Erie *	Saint Lawrence River
Allegheny River	Lake Champlain
Genesee River *	Upper Hudson River
Chemung River	Mohawk River
Susquehanna River	Lower Hudson River **
Oswego-Seneca-Oneida Rivers *	Delaware River
Black River *	Atlantic-Long Island Sound

* The Lake Ontario Minor Tributaries Watershed has been divided among the Niagara River-Lake Erie, Genesee River, Oswego-Seneca-Oneida Rivers, and Black River Basins.

** The Ramapo River and Housatonic River Basins are included in the Lower Hudson River Report.

Segment Name	Segment ID	Segment Type	Segment Size	Class	Primary Use Affected	Severity	Primary Documt	Primary Pollutant	Primary Source	TMDL Note
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Lewis County (NYSDEC Region 6)

No Segments (in the Oswego-Seneca-Oneida Rivers Basin)

Madison County (NYSDEC Region 7)

CANASERAGA CREEK	0703-0034	River	4.0 Mi.	C	Fish Propaga	Stressed	Some	Oxygen Demand	Agriculture	
* CANASTOTA CREEK	0703-0002	River	2.0 Mi.	C	Fishing	Impaired	Poor	Aesthetics	CSO's	2
CAZENOVIA LAKE	0703-0021	Lake	1233.0A	A	Bathing	Stressed	Some	Nutrients	On-site Systems	
CHITTENANGO CREEK	0703-0025	River	10.0Mi.	C(T)	Fish Propaga	Threatened	Poor	Silt (Sediment)	Construction	
CHITTENANGO CREEK	0703-0005	River			County border segment; see 0703-0005 (Onondaga County)					
COWASELON CREEK	0703-0033	River	12.0Mi.	C	Fish Propaga	Stressed	Some	Oxygen Demand	Agriculture	
DERUYTER RES.	0703-0004	Lake	600.0A	B	Fishing	Impaired	Good	Nutrients	Agriculture	4,3
LOWER ONEIDA CRK	0703-0032	River			County border segment; see 0703-0032 (Oneida County)					
ONEIDA LAKE	0703-0023	Lake	0.0 A	B	Bathing	Impaired	Some	Nutrients	Agriculture	4,3
TUSCARORA LAKE	0703-0022	Lake	307.0A	B	Aesthetics	Impaired	Good	Nutrients	On-site Systems	2

Segment Name	Segment ID	Segment Type	Segment Size	Class	Primary Use Affected	Severity	Documt	Primary Pollutant	Primary Source	TMDL Note	
Onondaga County (NYSDEC Region 6)											
* CANADA CREEK	0703-0010	River	2.0 Mi.	C(T)	Fishing	Impaired	Poor	Priority Organics	Land Disposal	2	
LOWER ONEIDA CRK	0703-0032	River	14.0Mi.	C	Fish Propaga	Impaired	Poor	Silt (Sediment)	Agriculture	2	
SCONONDOA CREEK	0703-0003	River	7.0 Mi.	C(T)	Fish Propaga	Stressed	Some	Oxygen Demand	Municipal	4,5	
WOOD CREEK	0703-0012	River	7.0 Mi.	C,C(T)	Fish Survival	Stressed	Poor	Silt (Sediment)	Agriculture		
Onondaga County (NYSDEC Region 7)											
BEAVER LAKE	0701-0005	Lake	200.0A	C	Fish Propaga	Precluded	Some	Nutrients	Other Source	2	
BLOODY BROOK	0702-0006	River	0.5 Mi.	B	Bathing	Precluded	Good	Pathogens	Municipal	2	
BUTTERNUT CREEK	0703-0039	River	2.0 Mi.	C(T)	Fish Propaga	Threatened	Poor	Nutrients	Agriculture		
BUTTERNUT CRK TRB	0703-0040	River	1.6 Mi.	C	Fish Propaga	Threatened	Poor	Nutrients	Agriculture		
* CHITTENANGO CREEK	0703-0005	River	3.0 Mi.	C	Fish Propaga	Precluded	Some	Nutrients	Agriculture	4,3	
CROSS LAKE	0701-0002	Lake		County border segment; see 0701-0002 (Cayuga County)							
* FURNACE BROOK	0702-0014	River	1.0 Mi.	B	Fish Propaga	Stressed	Some	Silt (Sediment)	Hydromodification		
GEDDES BROOK	0702-0007	River	0.5 Mi.	D	Fish Propaga	Precluded	Some	Metals	Industrial	4,5	
GEDDES BROOK	0702-0019	River	2.5 Mi.	C(T)	Fish Propaga	Threatened	Some	Oxygen Demand	Municipal		
* HARBOR BROOK	0702-0002	River	1.5 Mi.	B, D	Fishing	Precluded	Good	Aesthetics	CSO's	2	
HARBOR BROOK	0702-0012	River	1.0 Mi.	C(T)	Fish Propaga	Stressed	Poor	Silt (Sediment)	Construction		
JAMESVILLE RESERV	0703-0015	Lake(R)	640.0A	AA	Bathing	Impaired	Some	Silt (Sediment)	Agriculture	2	
* LEY CREEK & TRIBS	0702-0001	River	3.0 Mi.	B	Fishing	Precluded	Good	Aesthetics	CSO's	2	
* LIMESTONE CREEK	0703-0008	River	2.0 Mi.	C(T)	Fish Propaga	Impaired	Some	Silt (Sediment)	Resource Extraction	2	
* MEADOW BROOK	0703-0036	River	3.0 Mi.	D>C	Aesthetics	Stressed	Poor	Salts	Urban Runoff		
* NINEMILE CREEK	0702-0005	River	1.0 Mi.	D	Fish Propaga	Precluded	Good	Salts	Industrial	4,5	
ONEIDA LAKE TRIB	0703-0038	River	1.0 Mi.		Fish Propaga	Threatened	Poor	Nutrients	Agriculture		
ONEIDA RIVER	0703-0020	River	17.9Mi.	B	Fish Propaga	Stressed	Poor	Nutrients	Other Source		
* ONONDAGA CREEK	0702-0004	River	17.0Mi.	D	Bathing	Precluded	Good	Silt (Sediment)	Other Source	2	
* ONONDAGA L.& OUT.	0702-0003	Lake	2944.0A	B	Bathing	Precluded	Good	Pathogens	CSO's	2	
OSWEGO RIVER	0701-0021	River		County border segment; see 0701-0021 (Oswego County)							
OSWEGO/SENECA R.	0701-0001	River	15.6Mi.	C	Fishing	Impaired	Good	Salts	Industrial	4,5	

Priority Waterbodies List (PWL) Segment Summary

Oswego-Seneca-Oneida Rivers Basin

Segment Name	Segment ID	Segment Type	Segment Size	Class	Primary Use Affected	Severity	Documt	Primary Pollutant	Primary Source	TMDL Note
Onondaga County (NYSDEC Region 7) con't										
* OTISCO LAKE	0702-0011	Lake	400.0A	AA	Bathing	Impaired	Some	Silt (Sediment)	Other Source	2
POOLS BROOK	0703-0037	River	2.2 Mi.	C(T)	Fish Propaga	Threatened	Poor	Nutrients	Agriculture	
* POOLS BROOK & TRIB	0703-0016	River	1.0 Mi.	C(T),D	Fish Propaga	Threatened	Poor	Silt (Sediment)	Construction	
SENECA RIVER	0701-0008	River	1.5 Mi.	C	Bathing	Precluded	Good	Pathogens	On-site Systems	2
* SKANEATELES CREEK	0707-0003	River	14.0Mi.	C(T)	Fish Consump	Impaired	Good	Priority Organics	Source Unknown	2
* SKANEATELES L&TRI	0707-0004	Lake	5803.0A	AA	Water Supply	Stressed	Good	Pathogens	Agriculture	
Oswego County (NYSDEC Region 7)										
* LAKE NEATAHWANTA	0701-0018	Lake	750.0A	B	Bathing	Precluded	Good	Nutrients	Storm Sewers	2
LAKE ONTARIO	0303-0017	G. Lake	1.0 Mi.	A	Aesthetics	Stressed	Some	Aesthetics	CSO's	
LAKE ONTARIO	0300-0001	G. Lake	373.9Mi.	A(S)	Fishing	Impaired	Good	Priority Organics	Contaminated Sed.	1
LITTLE BAY CREEK	0703-0035	River	2.0 Mi.	D	Fish Survival	Stressed	Some	Oxygen Demand	Municipal	
LITTLE SALMON RIV	0303-0015	River	10.0Mi.	C	Boating	Impaired	Poor	Nutrients	On-site Systems	2
LITTLE SANDY CRK	0303-0013	River	6.0 Mi.	C(T)	Fish Propaga	Threatened	Poor	Thermal Changes	Agriculture	
N&S SANDY POND	0303-0002	Lake	2720.0A	B	Boating	Impaired	Poor	Nutrients	On-site Systems	2
* NINEMILE CREEK	0302-0005	River	8.0 Mi.	C(T)	Fishing	Impaired	Poor	Aesthetics	On-site Systems	2
ONEIDA LAKE	0703-0001	Lake	51090.0A	B	Bathing	Impaired	Some	Nutrients	Agriculture	4,3
ONEIDA RIVER	0703-0020	River			County border segment; see 0703-0020 (Onondaga County)					
OSWEGO RIVER	0701-0006	River	11.4Mi.	B	Fish Consump	Impaired	Good	Priority Organics	Contaminated Sed.	1
OSWEGO RIVER	0701-0021	River	10.0Mi.	B,C	Bathing	Threatened	Good	Water Level/Flow	Hydromodification	
OSWEGO RIVER	0701-0022	River	1.5 Mi.	C	Aesthetics	Stressed	Some	Aesthetics	CSO's	
PENNELLVILLE POND	0703-0018	Lake	40.0A	C(T)	Bathing	Impaired	Some	Nutrients	Private	2
SALMON RIVER	0303-0016	River	2.0 Mi.	C(T)	Fish Consump	Impaired	Good	Priority Organics	Contaminated Sed.	1
WINE CREEK	0303-0001	River	1.0 Mi.	C	Fish Propaga	Precluded	Poor	Unknown Toxicity	Land Disposal	2
* WHITE BROOK	0704-0008	River	5.5 Mi.	C	Fishing	Stressed	Poor	Nutrients	Agriculture	

**The 1996 Priority Waterbodies List
for
The Oswego-Seneca-Oneida Rivers Basin**

**including portions of the
Central and Eastern Lake Ontario Watersheds**

Lewis County

No Segments (in the Oswego-Seneca-Oneida Rivers Basin)

**The 1996 Priority Waterbodies List
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Central and Eastern Lake Ontario Watersheds**

Madison County

0703-0034	CANASERAGA CREEK	
0703-0002	CANASTOTA CREEK	
0703-0021	CAZENOVIA LAKE	
0703-0025	CHITTENANGO CREEK	
0703-0005	CHITTENANGO CREEK	SEE ONONDAGA COUNTY
0703-0033	COWASELON CREEK	
0703-0004	DERUYTER RES.	
0703-0032	LOWER ONEIDA CRK	SEE ONEIDA COUNTY
0703-0023	ONEIDA LAKE	
0703-0022	TUSCARORA LAKE	

CANASERAGA CREEK 0703-0034

Location Information

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	C
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Madison (27)		
USGS Quad:	JEWELL (I-17-2)		
Seg Size:	4.0 Miles		
Description:	Section within muckland truck farming area		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Stressed	Some
Fish Survival	Stressed	Some
Type of Pollutant(s)		
Oxygen Demand *	Pesticides	Nutrients
Thermal Changes		
Source(s) of Pollutant(s)		
Agriculture *	Municipal	
Resolvability		
Condition Needs Verification		

Further Details

Use Impairment - Fish survival and propagation is stressed by anoxic conditions.

This creek was listed on 1988 PWP(ID No. 439), but the major source of pollutants was Canastota STP. This facility was upgraded in 1988, so any impacts remaining are likely due to muckland truck farms.

Canaseraga Creek is considered a nursery area and warmwater fish spawning area. In the past, anoxic conditions caused fish kills. During assessment meetings, Regional Fisheries indicated that little or no aquatic life existed in muckland ditches. This stresses fish survival and propagation by limiting availability of forage for juvenile fish. Runoff from mucklands likely contains high levels of nutrients and pesticides, and channelization of the creek for flood control on the mucks may result in elevated water temperatures. Needs further study to verify present conditions.

CANASTOTA CREEK 0703-0002

Location Information Updated: 07/19/95

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	High
Sub-Basin:	Oneida Lake (03)	Stream Class:	C
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Madison (27)		
USGS Quad:	CANASTOTA (I-17-3)		
Seg Size:	2.0 Miles		
Description:	2.0 mile reach below the ball park pump station		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fishing *	Impaired	Poor
Type of Pollutant(s)		
Aesthetics *	Nutrients	Oxygen Demand
Pathogens		
Source(s) of Pollutant(s)		
CSO's *	Agriculture	

Resolvability

Manageable by Regional Office

TMDL Notes

Problem Not Amenable

Further Details

Use Impairment: Canastota (V) CSOs and raw sewage discharges from a pump station bypass; as well as, sludge beds downstream of the CSOs cause aesthetic problems and discourages the fishing use. A formal action is being undertaken toward a resolution. The CSO issue is under active study by the Village.

Source of Information: Regional Water

A RIBS macroinvertebrate kick sample in 1990 indicated moderate impact at North Main Street Rd. bridge. This observation may have been due to spring sampling.

CAZENOVIA LAKE 0703-0021

Location Information

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Low
Sub-Basin:	Oneida Lake (03)	Stream Class:	A
Seg Type:	Lake	7Q10 Flow:	N/A
Reg/County:	7 / Madison (27)		
USGS Quad:	CAZENOVIA, ORAN (J-17-2)		
Seg Size:	1233.0 Acres		
Description:	Entire lake		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Bathing *	Stressed	Some
Aesthetics	Stressed	Some
Boating	Stressed	Some

Type of Pollutant(s)		
Nutrients *	Pathogens	Aesthetics

Source(s) of Pollutant(s)	
On-site Systems *	Urban Runoff

Resolvability
Strategy Exists; Funds Needed

Further Details

Use Impairment - Weed growth and algal blooms stress the aesthetics as well as the bathing and boating use of this lake.

Aquatic weeds, mostly Eurasian milfoil, have increased in the lake; about 37% of lake surface had aquatic weeds. Lake association purchased its own weed harvester this year and began weed control program. Nuisance algae blooms have occurred as well. These conditions stress aesthetics, boating and bathing. Sources are believed to be on-site systems from lakeside residences, lawn fertilization and urban stormwater runoff from town of Cazenovia. Several respondents indicate that sewage odor is noticeable near failing septic systems. The Lake has been a CSLAP participant since 1988.

A septic system dye testing law has been in effect since 1990.

There is limited public access; there is a boat launch for town residents.

CHITTENANGO CREEK0703-0025

Location Information Updated: 07/19/95

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	C(T)
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Madison (27)		
USGS Quad:	CAZENOVIA, CANASTOTA(I-17-3) (J-17-2)		
Seg Size:	10.0 Miles		
Description:	Portion from Cazenovia (V) to Chittenango (V)		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Threatened	Poor
Aesthetics	Threatened	Poor

Type of Pollutant(s)	
Silt (Sediment) *	Nutrients

Source(s) of Pollutant(s)
Construction *

Resolvability
Can Be Handled by External Agencies

Further Details

Use Impairment - Development along Ridge Road and Linklaen Road threatens to increase peak runoff flows as well as quantities of sediment flowing into creek. Extreme care should be taken in engineering retention basins and sediment traps to deal with effects of this development.

The nutrient load carried by this creek contributes nutrients to Oneida Lake.

AA RIBS macroinvertebrate kick sample assessment at Route 5 in Chittenango indicated a slight impact, but no major impairment was noted.

COWASELON CREEK 0703-0033

Location Information Updated: 07/19/95

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	C
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Madison (27)		
USGS Quad:	CANASTOTA (I-17-3)		
Seg Size:	12.0 Miles		
Description:	Section running through muckland areas		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Stressed	Some
Fish Survival	Stressed	Some
Type of Pollutant(s)		
Oxygen Demand *	Pesticides	Nutrients
Thermal Changes	Pathogens	
Source(s) of Pollutant(s)		
Agriculture *	Municipal	

Resolvability
Can Be Handled by External Agencies

Further Details

Use Impairment - This is considered a nursery area. Populated with Brown Trout.

This creek was listed on the 1988 PWP List(ID No. 445), with the major source of pollutants the Canastota STP. This facility was upgraded in 1988, so any impacts remaining are likely due to muckland truck farms. PWP had this incorrectly listed in Onondaga County.

Cowaselon Creek is a nursery area for Oneida Lake fish. Fisheries states there is no aquatic life in muckland ditches which results in loss of forage for juvenile fish and stresses propagation. Runoff from mucklands likely contains high levels of nutrients and pesticides, and channelization of the creek for flood control on the mucks may result in elevated water temperatures.

This Creek receives contribution from Clockville Creek at Lenox Furnace. In February 1993 major damage occurred as a result of manure spills on Clockville Creek. This will likely have long term impacts on Cowaselon Creek from Lenox Furnace to Oneida Lake.

A RIBS macroinvertebrate kick sample in 1990 indicated moderately impacted water quality. This may have partially reflected effects of the Canastota STP, and aquatic worm influence due to spring sampling.

DERUYTER RES. 0703-0004

Location Information

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	B
Seg Type:	Lake	7Q10 Flow:	N/A
Reg/County:	7 / Madison (27)		
USGS Quad:	DE RUYTER (J-17-4)		
Seg Size:	600.0 Acres		
Description:	Entire reservoir in DeRuyter (T)		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fishing *	Impaired	Good
Aesthetics	Stressed	Some
Boating	Impaired	Good

Type of Pollutant(s)		
Nutrients *	Water Level/Flow	Aesthetics

Source(s) of Pollutant(s)	
Agriculture *	On-site Systems

Resolvability

Can Be Handled by External Agencies

TMDL Notes

Development Possible, Resource Limitations

Further Details

Use Impairment: Excessive growth of rooted aquatic vegetation impairs boat traffic and discourage the fishing use through out the lake. A mechanical harvester is used to remove the vegetation and make access to the open water easier. Residential development around the lake results in excessive nutrient loads from fertilized lawn runoff, groundwater percolation of septic systems, and direct discharge of human waste. Agricultural runoff also contributes to the problem. The reservoir has been a CSLAP participant since 1988. Some tributary sampling was done in 1992; extensive tributary sampling was done in 1993.

Source of Information: Regional Fisheries, Madison County SWCD and Central Office

ONEIDA LAKE 0703-0023

Location Information

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Low
Sub-Basin:	Oneida Lake (03)	Stream Class:	B
Seg Type:	Lake	7Q10 Flow:	N/A
Reg/County:	7 / Madison (27)		
USGS Quad:	CLEVELAND (I-17-1)		
Seg Size:	0.0 Acres		
Description:	Section bordered by Madison Co.		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Bathing *	Impaired	Some
Aesthetics	Stressed	Some
Boating	Impaired	Some

Type of Pollutant(s)		
Nutrients *	Pathogens	

Source(s) of Pollutant(s)		
Agriculture *	Municipal	On-site Systems

Resolvability

Can Be Handled by External Agencies

TMDL Notes

Development Possible, Resource Limitations

Further Details

Use Impairment - Algal blooms and rooted vegetation impairs the bathing use of this lake.

According to Regional Fisheries, Oneida Lake has historically been green: considerable rooted aquatics, algae, etc. However, man's activities have caused these conditions to be excessive in some areas. Aquatic weeds stress aesthetics and boating; in certain areas boating is impaired. There apparently has been a loss of Hexagenia sp. (mayflies) in the lake due to repeated absence of dissolved oxygen in the 1950s. Major sources of nutrients are watersheds of Chittenango and Oneida Creeks, intensive truck farming on mucklands, on-site systems, and municipal STP in Oneida.

On-site systems are another cause for concern. The segment from Bridgeport to Lakeport is presently unsewered and there are reports of sewage entering the lake and the tribs that feed it. Pathogens in high enough concentrations could have impacts on the bathing use. High water tables, poor soils, small lot sizes, and conversion of seasonal to permanent residences contribute to on-site system problems; the ultimate solution would have to be sewerage of this area.

The south shoreline of the lake forms the county line so while the watershed in Madison County contributes to the problems of Oneida Lake, the actual lake area in this county is 0.0 acres.

TUSCARORA LAKE 0703-0022

Location Information

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Low
Sub-Basin:	Oneida Lake (03)	Stream Class:	B
Seg Type:	Lake	7Q10 Flow:	N/A
Reg/County:	7 / Madison (27)		
USGS Quad:	ERIEVILLE (J-17-3)		
Seg Size:	307.0 Acres		
Description:	Entire lake		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Bathing	Stressed	Some
Aesthetics *	Impaired	Good
Boating	Stressed	Some
Type of Pollutant(s)		
Nutrients *	Silt (Sediment)	Oxygen Demand
Pathogens		
Source(s) of Pollutant(s)		
On-site Systems *	Agriculture	Construction
Roadbank Erosion		

Resolvability

Issue Needs Study and Management Plan

TMDL Notes

Problem Not Amenable

Further Details

Use Impairment - Excessive weed growth are stressing bathing and boating uses and impair aesthetics. Major source of nutrients and coliforms are believed to be on-site systems of approximately 200 residences around the lake. Hamlet of Erieville is thought to contribute these pollutants as well. Access to a more adequate public water supply in hamlet without upgrading antiquated septic systems has placed a stress on these systems and increases likelihood of failure.

Agricultural runoff, especially near northern end of lake is another source of nutrients. New housing development construction on Chaphee Hill Road has necessitated widening of the old roadway causing more uncontrolled runoff into the lake. Also, the town of Nelson has announced a plan to completely rebuild North Lake and Greene Roads. This is causing concern about adequate treatment of road runoff and the need for settling basins and velocity attenuation devices to reduce further pollution of lake with silt and road runoff.

The state owns the lake itself, but none of the land around it. Consequently, there is no public access. The lake has been a CSLAP participant since 1986.

Source of Information: Regional Fisheries and Water

**The 1996 Priority Waterbodies List
for
The Oswego-Seneca-Oneida Rivers Basin**

**including portions of the
Central and Eastern Lake Ontario Watersheds**

Oneida County

0703-0010	CANADA CREEK
0703-0032	LOWER ONEIDA CRK
0703-0003	SCONONDOA CREEK
0703-0012	WOOD CREEK

CANADA CREEK 0703-0010

Location Information Updated: 11/08/95

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	High
Sub-Basin:	Oneida Lake (03)	Stream Class:	C(T)
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	6 / Oneida (33)		
USGS Quad:	VERONA (I-18-2)		
Seg Size:	2.0 Miles		
Description:	From Rt. 69 Bridge To Confluence With Wood Creek		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fishing *	Impaired	Poor
Fish Propagation	Impaired	Poor
Fish Survival	Impaired	Poor
Aesthetics	Impaired	Poor

Type of Pollutant(s)		
Priority Organics *	Metals	Silt (Sediment)

Source(s) of Pollutant(s)		
Land Disposal *	Contaminated Sed.	Agriculture
Streambank Erosion		
Other (Junkyards)		

Resolvability

Can Be Handled by External Agencies

TMDL Notes

Problem Not Amenable

Further Details

Fishing, fish habitat and aesthetics are impaired by visible leachate from landfill, agricultural runoff, changing land use and junkyards in the watershed. The City of Rome used this site as a landfill for years and it is now considered a hazardous waste site. Remediation of the site began in 1995 by the city of Rome.

The sandy soil in the area is conducive to chemical transport to the stream. A number of junkyards exist adjacent to the stream. The watershed is agricultural turning suburban/urban.

This segment was also listed as 1991 NPS #33-004.

Source of Information: Central Office, Water Quality Management

LOWER ONEIDA CRK 0703-0032

Location Information Updated: 12/06/94

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	C
Seg Type:	River	7Q10 Flow:	20-150 cfs
Reg/County:	6 / Oneida (33)		
USGS Quad:	SYLVAN BEACH, ONEIDA (I-18-1)		
Seg Size:	14.0 Miles		
Description:	City of Oneida to Oneida Lake		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Impaired	Poor
Aesthetics	Impaired	Some
Type of Pollutant(s)		
Silt (Sediment) *	Nutrients	
Source(s) of Pollutant(s)		
Agriculture *	Municipal	Urban Runoff
Streambank Erosion		

Resolvability
Can Be Handled by External Agencies

TMDL Notes
Problem Not Amenable

Further Details

Use Impairment: Agricultural runoff and urban runoff are causing siltation in the creek. This section of Oneida Creek is a nursery for Oneida Lake warmwater fish. Silt is covering eggs, reducing macroinvertebrate forage for juvenile fish, and filling in spawning beds and pools, thus impairing fish propagation.

The creek is a significant source of nutrients to Oneida Lake as well; they are derived from land use in the watershed and from the municipal STP in Oneida. This plant has been a cause of fish kills in the past.

The creek was identified as a problem for Madison County (0703-0024, 1991 NPS #27-010) but no mileage was included to prevent double counting. Since creek forms the boundary with Oneida County, it has been listed for that county as well.

SCONONDOA CREEK 0703-0003

Location Information Updated: 12/05/95

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	C(T)
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	6 / Oneida (33)		
USGS Quad:	VERNON, NY (I-18-3)		
Seg Size:	7.0 Miles		
Description:	From Vernon (V) to the confluence with Oneida Creek		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Stressed	Some
Fish Survival	Stressed	Some
Type of Pollutant(s)		
Oxygen Demand *	Silt (Sediment)	Thermal Changes
Pathogens	Aesthetics	
Source(s) of Pollutant(s)		
Municipal *	Agriculture	Urban Runoff
Streambank Erosion		

Resolvability

Issue Needs Study and Management Plan

TMDL Notes

Development Possible, Ongoing/Under Remediation

Further Details

Use impairment: Sediment from farming practices and urban activities appears to be a major to this segment. The watershed has a large amount of strip development as well as heavy dairy agricultural land use in the downstream areas.

Cause: Vernon (V) STP - operational problem - 2/3 of the waste flow comes from industrial sources - facility has been modified and remediation is underway - Industry is cooperating by providing pretreatment. The municipality is closely regulating the discharge. The Village is in conformance with a Municipal Compliance Plan. The quality of the effluent is improving, but high levels of oxygen demanding substances (BOD) must still be reduced. Plant expansion underway completion expected 12/95.

A water quality survey done in 1986 (Woodfield 1987) showed no DO sag, however the effluent at that time was not considered representative of normal sewage. Biological sampling indicated a moderate impact from the Vernon STP. Verification needs to be made of current plant status and stream impacts (1994).

Source of Information: Regional Water and Central Office

WOOD CREEK 0703-0012

Location Information Updated: 12/05/95

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	C,C(T)
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	6 / Oneida (33)		
USGS Quad:	ROME (I-19-1)		
Seg Size:	7.0 Miles		
Description:	From route 49 , Rome to confluence with Fish Creek		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fishing	Stressed	Some
Fish Survival *	Stressed	Poor
Aesthetics	Stressed	Some
Type of Pollutant(s)		
Silt (Sediment) *	Priority Organics	Metals
Nutrients	Oxygen Demand	Thermal Changes
Pathogens	Aesthetics	
Source(s) of Pollutant(s)		
Agriculture *	Construction	Urban Runoff
Storm Sewers	Land Disposal	Chemical Leak/Spills
Streambank Erosion		

Resolvability

Can Be Handled by External Agencies

Further Details

USE IMPAIRMENT: Suburban/urban runoff impairs fish survival, fishing and aesthetics. Portions of the stream are designated as cold water fishery.

Visible contamination is evident at the storm sewer outfall adjacent to General Lumber. Pollutants from manufacturing processes may have contaminated the channelized (Old Erie Canal) portion of Wood Creek for many years. It is likely that the channelized segment acted as a sediment sink. Priority pollutant & heavy metal sampling should be conducted in this area.

Urban runoff from the city of Rome discharges to Wood Creek. Fort Rickey Game Farm has large numbers of animals disturbing the water quality of the stream, but use has declined due to streambank erosion.

New development is proposed just outside city of Rome. The lower portion is subject to erosion as it meanders through the Rome sand plain. This stream is reported to be the largest source of nutrients to Oneida Lake; also the largest tributary to Oneida Lake. The stream is farmed intensively downstream of Fish Creek.

Source of information: Oneida County WQCC

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Onondaga County

0701-0005	BEAVER LAKE	
0702-0006	BLOODY BROOK	
0703-0039	BUTTERNUT CREEK	
0703-0040	BUTTERNUT CRK TRB	
0703-0005	CHITTENANGO CREEK	
0701-0002	CROSS LAKE	SEE CAYUGA COUNTY
0702-0014	FURNACE BROOK	
0702-0007	GEDDES BROOK	
0702-0019	GEDDES BROOK	
0702-0002	HARBOR BROOK	
0702-0012	HARBOR BROOK	
0703-0015	JAMESVILLE RESERV	
0702-0001	LEY CREEK & TRIBS	
0703-0008	LIMESTONE CREEK	
0703-0036	MEADOW BROOK	
0702-0005	NINEMILE CREEK	
0703-0038	ONEIDA LAKE TRIB	
0703-0020	ONEIDA RIVER	
0702-0004	ONONDAGA CREEK	
0702-0003	ONONDAGA L.& OUT.	
0701-0021	OSWEGO RIVER	SEE OSWEGO COUNTY
0701-0001	OSWEGO/SENECA R.	
0702-0011	OTISCO LAKE	
0703-0037	POOLS BROOK	
0703-0016	POOLS BROOK & TRIB	
0701-0008	SENECA RIVER	
0707-0003	SKANEATELES CREEK	
0707-0004	SKANEATELES L&TRI	

BUTTERNUT CREEK 0703-0039

Location Information Added: 02/15/96

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	C(T)
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Onondaga (34)		
USGS Quad:	JAMESVILLE ()		
Seg Size:	2.0 Miles		
Description:	From confluence .5 mi. dwnstrm of Gates Rd to Dodge Rd		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Threatened	Poor
Fish Survival	Threatened	Poor

Type of Pollutant(s)	
Nutrients *	Pathogens

Source(s) of Pollutant(s)
Agriculture *

Resolvability
Condition Needs Verification

Further Details

Fish propagation and survival are threatened by manure storage and milk house waste runoff from adjacent farms. Regional Fisheries to investigate in 1996.

Source: Onondaga County WQCC.

BUTTERNUT CRK TRB0703-0040

Location Information Added: 03/18/96

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	C
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Onondaga (34)		
USGS Quad:	JAMESVILLE ()		
Seg Size:	1.6 Miles		
Description:	From Bush Road to confluence at Walberger Road		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Threatened	Poor
Fish Survival	Threatened	Poor
Type of Pollutant(s)		
Nutrients *	Silt (Sediment)	Pathogens
Source(s) of Pollutant(s)		
Agriculture *		

Resolvability

Further Details

Fish propagation and survival are threatened by excessive runoff from manure and milk house waste, as well as from silt from streambank erosion. The milk house waste is not filtered prior to discharge. The sources of the runoff are within 50-100 feet of the stream.

Regional Water to investigate in 1996.

Source: Onondaga County SWCD.

CHITTENANGO CREEK0703-0005

Location Information

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	High
Sub-Basin:	Oneida Lake (03)	Stream Class:	C
Seg Type:	River	7Q10 Flow:	20-150 cfs
Reg/County:	7 / Onondaga (34)		
USGS Quad:	CLEVELAND (I-17-1)		
Seg Size:	3.0 Miles		
Description:	3.0 mile reach above Oneida Lake in Cicero (T)		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Precluded	Some
Type of Pollutant(s)		
Nutrients *	Oxygen Demand	Aesthetics
Source(s) of Pollutant(s)		
Agriculture *	Municipal	Urban Runoff
Other (Natural Runoff)		

Resolvability
Requires Central Office Management

TMDL Notes
Development Possible, Resource Limitations

Further Details

Use Impairment: Excessive algal growth severely reduces the transparency of the water preventing the growth of a primary food source for juvenile fish. This impaired transparency and resulting algae growth is partly the result of excessive turbidity and nutrient loading into Chittenango Creek.

Cause: Several municipal discharges as well as agricultural and natural runoff contribute to the problem via tributaries such as Limestone and Butternut Creeks.

This segment forms the boundary between Onondaga and Madison Counties.

Source of Information: Regional Fisheries

JAMESVILLE RESERV0703-0015

Location Information

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)		
Seg Type:	Lake(R)	Stream Class:	AA
Reg/County:	7 / Onondaga (34)	7Q10 Flow:	N/A
USGS Quad:	JAMESVILLE (J-16-2)		
Seg Size:	640.0 Acres		
Description:	Entire Lake including Butternut Creek to source		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Bathing *	Impaired	Some
Fishing	Impaired	Poor
Fish Propagation	Impaired	Poor
Aesthetics	Impaired	Some
Type of Pollutant(s)		
Silt (Sediment) *	Nutrients	Oxygen Demand
Pathogens		
Source(s) of Pollutant(s)		
Agriculture *	Resource Extraction	Streambank Erosion

Resolvability

Condition Needs Verification

TMDL Notes

Problem Not Amenable

Further Details

USE IMPAIRMENT: Contact recreation in the reservoir is limited due to turbidity problems and algae growth. Turbidity also inhibits the growth of weeds in the nutrified shallow lake.

Jamesville Reservoir was formerly used as a canal feeder but now is primarily public recreation, including fishing and bathing. Main problems in the lake are siltation in the south end and limited visibility due to algae and particulates. Agricultural runoff from Butternut Creek may contribute excessive nutrients to the lake, although failing septic systems may be a contributing factor.

Regional Water will contact Onondaga Co. H.D. in 93/94. Regional Fisheries will verify in 93/94.

Source of Information: Regional Water and Fisheries.
Was also 1991 PWP #830 (0703-0007).

LIMESTONE CREEK 0703-0008

Location Information

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	High
Sub-Basin:	Oneida Lake (03)		
Seg Type:	River	Stream Class:	C(T)
Reg/County:	7 / Onondaga (34)	7Q10 Flow:	N/A
USGS Quad:	ORAN/DERUYTER (J-17-1)		
Seg Size:	2.0 Miles		
Description:	N & S of Delphi Falls, Pompey (T)		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Impaired	Some
Aesthetics	Impaired	Poor

Type of Pollutant(s)
Silt (Sediment) *

Source(s) of Pollutant(s)
Resource Extraction * Agriculture Hydromodification
Streambank Erosion

Resolvability
Condition Needs Verification

TMDL Notes
Problem Not Amenable

Further Details

Use Impairment: This stream is always turbid. Sediment from channelization and gravel mining is impairing the cold water fishery habitat by covering fish eggs and filling the spawning grounds with silt. This turbidity is also a natural occurrence due to the unstable clay streambanks. A Fishery evaluation notes that there are year class fish but not the young of the year; which also confirms the impairment to fish propagation. Regional Fisheries will verify in 96.

Was also 1991 NPS#34-008 (0703-0017).

Source of Information: Regional Fisheries and Water

MEADOW BROOK 0703-0036

Location Information

Basin: Oswego-Seneca-Oneida (07) **Resolution Potential:** High
Sub-Basin: Oneida Lake (03) **Stream Class:** D>C
Seg Type: River **7Q10 Flow:** < 20 cfs
Reg/County: 7 / Onondaga (34)
USGS Quad: SYRACUSE EAST (I-16-3)
Seg Size: 3.0 Miles
Description: From source near Colvin & Comstock Avenues to city line

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Aesthetics *	Stressed	Poor
Type of Pollutant(s)		
Salts *	Nutrients	Silt (Sediment)
Source(s) of Pollutant(s)		
Urban Runoff *	De-icing Agents	Hydromodification

Resolvability

Condition Needs Verification

Further Details

USE IMPAIRMENT: Aesthetics of Meadow Brook are limited by its urban setting and the resultant pollution.

Meadow Brook begins as a small stream starting with a storm sewer system in the Comstock property which has been sold for residential development. The stream then travels through 1/2 mile of culvert through Syracuse University property. From here the stream flows between the lanes of Meadowbrook Drive to the City line. Its main problem is little or no flow during dry spells and flooding during heavy rains. A ponding basin and control structure was built south of Broad Street in the 1970's which has alleviated some of the flooding. Some of the fill used at this site contains PCB's but the material is supposed to be removed. The stream also receives much urban runoff from salted city streets.

ONEIDA LAKE TRIB 0703-0038

Location Information Added: 02/15/96

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Onondaga (34)		
USGS Quad:	CICERO ()		
Seg Size:	1.0 Miles		
Description:	From source to .5 miles downstream of Cicero Center Rd		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Threatened	Poor
Fish Survival	Threatened	Poor

Type of Pollutant(s)	
Nutrients *	Pathogens

Source(s) of Pollutant(s)
Agriculture *

Resolvability
Condition Needs Verification

Further Details

Fish propagation and survival threatened by barnyard/field runoff.

Source: Onondaga County WQCC.

ONEIDA RIVER 0703-0020

Location Information

Basin: Oswego-Seneca-Oneida (07) **Resolution Potential:** Medium
Sub-Basin: Oneida Lake (03)
Seg Type: River **Stream Class:** B
Reg/County: 7 / Onondaga (34) **7Q10 Flow:** 20-150 cfs
USGS Quad: BREWERTON/BALDWINSVILLE(I-15-2 (I-16-1)
Seg Size: 17.9 Miles
Description: Oneida Lake to confluence with Oswego River

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Stressed	Poor
Fish Survival	Stressed	Poor
Aesthetics	Threatened	Poor

Type of Pollutant(s)	
Nutrients *	Silt (Sediment)

Source(s) of Pollutant(s)	
OTHER * (Oneida Lake Inflows) Hydromodification	On-site Systems

Resolvability

Issue Needs Study and Management Plan

Further Details

Use Impairment - Nutrient loading from the outflow from Oneida Lake stresses the fish habitat in this river. Aesthetics are threatened as riverside development expands and destroys scenic value of the river.

There is little vacant land left along the river. As a result, the river supports a small diversity of species but it has a good warm water fishery. Turbidity from shoreline erosion caused by boat wakes is another problem.

This river forms the boundary between Oswego and Onondaga Counties and is listed for both (#0701-0019, 1991 NPS #38-007).

RIBS station 07031017, Oneida River in Brewerton was sampled in 1989-1990. Water quality at this site was rated as good based on chemical and biological sampling. Macroinvertebrate sampling indicated moderate impact, although this is reflective of lake conditions. Tissue analysis of amphipods (scuds) from the site found chromium, iron and aluminum at levels exceeding background, although background levels for this organism are not well established. Iron levels in the water column were at the border of being considered a parameter of concern. Copper, lead and zinc were present at levels greater than their assessment criteria values in bottom sediments. PCBs were also found in the bottom sediment at a value just above its reporting limit.

POOLS BROOK 0703-0037

Location Information Added: 02/15/96

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Medium
Sub-Basin:	Oneida Lake (03)	Stream Class:	C(T)
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Onondaga (34)		
USGS Quad:	CICERO ()		
Seg Size:	2.2 Miles		
Description:	From Rt 5 and G. Taylor Rd to Kinderhook Rd		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Threatened	Poor
Fish Survival	Threatened	Poor

Type of Pollutant(s)		
Nutrients *	Silt (Sediment)	Pathogens

Source(s) of Pollutant(s)
Agriculture *

Resolvability
Condition Needs Verification

Further Details

Fish propagation and survival are threatened by runoff from adjacent farms. Cattle have direct access to the stream, causing increased siltation/sedimentation.

Regional Water to investigate in 1996.

Source: Onondaga County WQCC.

POOLS BROOK & TRIB0703-0016

Location Information

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	High
Sub-Basin:	Oneida Lake (03)	Stream Class:	C(T),D
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Onondaga (34)		
USGS Quad:	MANLIUS (I-17-4)		
Seg Size:	1.0 Miles		
Description:	Headwaters between Duquid Rd and Fayetteville (V)		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Propagation *	Threatened	Poor
Fish Survival	Threatened	Poor

Type of Pollutant(s)
Silt (Sediment) *

Source(s) of Pollutant(s)
Construction * Hydromodification

Resolvability
Manageable by Regional Office

Further Details

USE IMPAIRMENT: Siltation from land cleared for development will have an adverse impact on trout habitat downstream from the area of development. A private developer has removed all vegetation and used earthmoving equipment to essentially cover the headwaters section of Pools Brook with dirt; near Duquid Road. Good trout stream, supports natural Brown Trout reproduction.

Fish propagation and survival are also threatened by runoff from adjacent farms. Cattle have direct access to the stream, causing increased siltation. Regional Water staff to investigate in 1996.

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Oswego County

0701-0018	LAKE NEATAHWANTA	
0303-0017	LAKE ONTARIO	
0300-0001	LAKE ONTARIO	
0703-0035	LITTLE BAY CREEK	
0303-0015	LITTLE SALMON RIV	
0303-0013	LITTLE SANDY CRK	
0303-0002	N&S SANDY POND	
0302-0005	NINEMILE CREEK	
0703-0001	ONEIDA LAKE	
0703-0020	ONEIDA RIVER	SEE ONONDAGA COUNTY
0701-0006	OSWEGO RIVER	
0701-0021	OSWEGO RIVER	
0701-0022	OSWEGO RIVER	
0703-0018	PENNELLVILLE POND	
0303-0016	SALMON RIVER	
0303-0001	WINE CREEK	

LITTLE BAY CREEK 0703-0035

Location Information Added: 07/28/93

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Low
Sub-Basin:	Oneida Lake (03)	Stream Class:	D
Seg Type:	River	7Q10 Flow:	< 20 cfs
Reg/County:	7 / Oswego (38)		
USGS Quad:	CENTRAL SQUARE (H-16-4)		
Seg Size:	2.0 Miles		
Description:	From discharge of Central Square STP to mouth		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Fish Survival *	Stressed	Some

Type of Pollutant(s)
Oxygen Demand *

Source(s) of Pollutant(s)
Municipal *
Other (Natural)

Resolvability
Issue Needs Study and Management Plan

Further Details

Intensive water quality survey in 1983 and macroinvertebrate survey in 1984 both found extremely low D.O. levels and evidence of biological impacts. However, it was not clear if the impacts observed were caused by the STP discharge or the naturally marshy conditions, or both. Region indicates that STP is still not operating well (7/93). New plant went on line at the end of '95.

ONEIDA LAKE 0703-0001

Location Information Updated: 12/05/94

Basin:	Oswego-Seneca-Oneida (07)	Resolution Potential:	Low
Sub-Basin:	Oneida Lake (03)	Stream Class:	B
Seg Type:	Lake	7Q10 Flow:	N/A
Reg/County:	7 / Oswego (38)		
USGS Quad:	BREWERTON (I-16-1)		
Seg Size:	51090.0 Acres		
Description:	Entire lake in Cicero (T) and Constantia (T)		

Problem Information(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Impairment(s)	Severity	Documentation
Bathing *	Impaired	Some
Aesthetics	Stressed	Poor
Type of Pollutant(s)		
Nutrients *	Pathogens	
Source(s) of Pollutant(s)		
Agriculture *	Municipal	On-site Systems

Resolvability

Technical/Economic/Social Resources Do Not Allow Resolution

TMDL Notes

Development Possible, Resource Limitations

Further Details

Use Impairment: Algal blooms and rooted vegetation impairs the recreational use of this lake. According to Regional Fisheries, Oneida Lake has historically been eutrophic. The regional office has received numerous complaint calls regarding the algal blooms. However, man's activities have caused these conditions to be excessive in some areas. Aquatic vegetation impairs bathing and boating. Major sources of nutrients are treated municipal wastewater, intensive truck farming on mucklands, and on-site systems. Mechanical harvesting will be starting to control the growth of vegetation.

On-site systems are another cause of concern. The segment from Bridgeport to Lakeport is presently unsewered and there are reports of sewage entering the lakes and the tributaries that feed it. Pathogens in high enough concentrations could have impact on the bathing use. High water tables, poor soil, small lot sizes, and conversion of seasonal to permanent residences contribute to the on-site system problem.

Sewerage facilities are another area of concern. Currently, the area between the Village of Cleveland and Big Bay, which is located in the Town of West Monroe, is unsewered. The County Health Department reports numerous failed septic systems near the Hamlets of Bernhards Bay and Constantia. Due to poor soil conditions and high groundwater levels, failed on-site systems are very difficult to rehabilitate. As a result, there are raw sewage discharges into the lake, impairing swimming and recreation. Currently, the Town of Constantia would like to install a public sewer system for Bernhards Bay, Constantia and Doris Park. This will address some of the problems in the lake.

The Lake outlet (Oneida River in Brewerton) was sampled during the 1989-90 RIBS sampling cycle (#07031017). An assessment of the data showed overall water quality to be good. Macroinvertebrate community analysis indicated moderate impact, although this is reflective of lake conditions. Tissue analysis of amphipods found chromium, iron and aluminum at levels exceeding background, although background levels are not well established. No analysis was done for pesticides and PCBs due to insufficient available biomass. In the water column, there were no parameters of concern, but iron was borderline. Volatile halogenated organics has values less than their reporting levels. Copper, lead and zinc were present at levels greater than their assessment criteria values in bottom sediments. PCBs were also found in the bottom sediment at a value just above its reporting limit. Results from toxicity testing indicate that no significant mortality or reproductive impairment occurred in any test.

Trophic level: Eutrophic

Pond # : 1 26

Source of Information: Regional Water and Fisheries