

Waterbody Inventory for The Upper Allegheny Watershed

Water Index Number	Waterbody Segment	Category
Upper Allegheny River, Main Stem, Reservoir to Pa State Line		
Pa-53 (portion 1)/P95a	Allegheny River/Reservoir (0201-0023)	UnAssessed
Pa-53 (portion 2)	Allegheny River, Main Stem (0201-0024)	MinorImpacts
Pa-53 (portion 3)	Allegheny River, Main Stem (0201-0025)	MinorImpacts
Pa-53 (portion 4)	Allegheny River, Main Stem (0201-0026)	NoKnownImpct
Tribs to Upper Allegheny River, Reservoir to Salamanca		
Pa-43 thru 50	Minor Tribs to Pennsylvania (0201-0022)	UnAssessed
Pa-53- 1 thru 20 (selected)	Minor Tribs to Allegheny Reservoir, west (0201-0027)	MinorImpacts
Pa-53- 3 thru 19 (selected)	Minor Tribs to Allegheny Reservoir, east (0201-0028)	UnAssessed
Pa-53- 8	Quaker Run and tribs (0201-0029)	NoKnownImpct
Pa-53- 8-P90	Quaker Lake (0201-0030)	UnAssessed
Pa-53-11	Cold Spring Creek, Lower, and tribs (0201-0014)	UnAssessed
Pa-53-11	Cold Spring Creek, Upper, and tribs (0201-0031)	UnAssessed
Pa-53-15	Red House Brook and tribs (0201-0032)	NoKnownImpct
Pa-53-15-P95b	Red House Lake (0201-0033)	UnAssessed
Pa-53-21	Little Valley Creek, Lower, and tribs (0201-0013)	NoKnownImpct
Pa-53-21	Little Valley Creek, Upper, and tribs (0201-0034)	UnAssessed
Pa-53-21-11-P97a	Linlyco/Club Pond (0201-0035)	UnAssessed
Pa-53-22 thru 33 (selected)	Minor Tribs to Allegheny River (0201-0036)	UnAssessed
Pa-53-22 thru 43 (selected)	Minor Tribs to Allegheny River (0201-0037)	UnAssessed
Pa-53-23	Salamanca Water Supply Trib, Upper (0201-0038)	UnAssessed
Great Valley Creek Watershed		
Pa-53-25	Great Valley Cr, Lower, and minor tribs (0201-0039)	NoKnownImpct
Pa-53-25	Great Valley Cr, Middle, and minor tribs (0201-0012)	MinorImpacts
Pa-53-25	Great Valley Cr, Upper, and tribs (0201-0040)	MinorImpacts
Pa-53-25- 6	Wrights Creek and tribs (0201-0041)	UnAssessed
Pa-53-25-11	Forks Creek and tribs (0201-0042)	NoKnownImpct
Tribs to Upper Allegheny River, Salamanca to Olean		
Pa-53-36	Tunungwant (Tuna) Creek and tribs (0201-0002)	MinorImpacts
Pa-53-36- 1 thru 12 (selected)	Minor Tribs to Tunungwant Creek, Class B (0201-0043)	UnAssessed
Pa-53-39	Chipmunk Creek and tribs (0201-0044)	Need Verific
Pa-53-42	Ninemile Creek and tribs (0201-0045)	Need Verific
Pa-53-44 thru 53 (selected)	Minor Tribs to Allegheny River (0201-0046)	UnAssessed
Pa-53-47	Fivemile Creek and tribs (0201-0047)	NoKnownImpct
Pa-53-47- 7-P104a	Vee Pond (0201-0048)	UnAssessed
Pa-53-48	Fourmile Creek and tribs (0201-0049)	NoKnownImpct

...Upper Allegheny Watershed

Water Index Number	Waterbody Segment	Category
Olean Creek Watershed		
Pa-53-54	Olean Creek, Lower, and tribs (0201-0017)	NoKnownImpact
Pa-53-54	Olean Creek, Upper, and tribs (0201-0050)	Threat (Poss)
Pa-53-54-10	Ischua Creek, Lower, and tribs (0201-0051)	NoKnownImpact
Pa-53-54-10	Ischua Creek, Middle, and minor tribs (0201-0052)	NoKnownImpact
Pa-53-54-10	Ischua Creek, Upper, and tribs (0201-0053)	Need Verific
Pa-53-54-10-22	Gates Creek and tribs (0201-0054)	UnAssessed
Pa-53-54-10-22-P109c	Case Lake (0201-0020)	MinorImpacts
Pa-53-54-10-35-P112b	Bird Swamp Pond (0201-0055)	UnAssessed
Pa-53-54-10-P112	Ischua Creek Reservoir (0201-0008)	UnAssessed
Pa-53-54-11	Oil Creek, Lower, and tribs (0201-0056)	MinorImpacts
Pa-53-54-11	Oil Creek, Upper, and tribs (0201-0057)	NoKnownImpact
Pa-53-54-11- 5	Cuba Lake Outlet (0201-0058)	NoKnownImpact
Pa-53-54-11- 5-P115	Cuba Lake (0201-0016)	MinorImpacts
Pa-53-54-11- 5-P115-	Minor Tribs to Cuba Lake (0201-0059)	UnAssessed
Pa-53-54-11- 5-P115-(2a)	Rawson Creek and tribs (0201-0060)	MinorImpacts
Pa-53-54-11- 6	Griffin Creek and tribs (0201-0061)	NoKnownImpact
Pa-53-54-11-P115a	Van Der Linden Pond (0201-0062)	UnAssessed
Tribes to Upper Allegheny River, Olean to PA State Line		
Pa-53-55 thru 67 (selected)	Minor Tribs to Allegheny River (0201-0063)	UnAssessed
Pa-53-57	Haskell Creek and tribs (0201-0009)	UnAssessed
Pa-53-57-a-P117c	Stephens Lake (0201-0064)	UnAssessed
Pa-53-63	Dodge Creek, Lower, and tribs (0201-0065)	MinorImpacts
Pa-53-63	Dodge Creek, Upper, and tribs (0201-0066)	UnAssessed
Pa-53-63- 6	Wolf Creek and tribs (0201-0067)	UnAssessed
Pa-53-64	Oswayo Creek and tribs (0201-0068)	NoKnownImpact
Pa-53..Pa-32	Honeoye Creek and tribs (0201-0021)	NoKnownImpact
Pa-53..Pa-33 thru 38	Minor Tribs to Pennsylvania (0201-0069)	UnAssessed
Pa-53..Pa-39	Little Genesee Creek, Lower, and tribs (0201-0001)	NoKnownImpact
Pa-53..Pa-39	Little Genesee Creek, Upper, and tribs (0201-0070)	UnAssessed
Pa-54 thru 57	Minor Tribs to Pennsylvania (0201-0071)	UnAssessed
Pa-58 thru 62	Minor Tribs to Pennsylvania (0202-0026)	UnAssessed

Waterbody Location Information

Revised: 12/26/2006

Water Index No: Pa-53 (portion 2)	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/140	Str Class: B
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 17.1 Miles	Quad Map: SALAMANCA (M-06-1)
Seg Description: from Salamanca to Vandalia	

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: ---
 Suspected: NUTRIENTS
 Possible: ---

Source(s) of Pollutant(s)
 Known: ---
 Suspected: URBAN RUNOFF
 Possible: Failing On-Site Syst

Resolution/Management Information

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

Further Details

Aquatic life use support in this portion of the Allegheny River is thought to experience minor impacts due to nutrient enrichment most likely from various nonpoint sources of runoff. Unidentified sources of organic wastes may also be contributing to the impacts, but whether such sources are present has not been verified. The most recent biological assessment indicates non-impacted water quality.

NYSDEC Rotating Intensive Basin Studies (RIBS) Routine Network monitoring of the Allegheny River in Salamanca is conducted annually at the Main Street bridge. In addition, when RIBS Intensive Network monitoring is conducted in a targeted basin every five years, additional sampling methods are employed to gain an overall assessment of water quality. The most recent assessment was conducted in 2002. In addition to water column chemistry, this Intensive Network sampling includes sediment assessment, macroinvertebrate tissue analysis and toxicity testing, as well as macroinvertebrate community analysis. Biological (macroinvertebrate) sampling revealed non-impacted water quality conditions. Clean-water mayflies dominated the sample and stoneflies were also present. Water column sampling revealed some parameters of concern (phenol, mercury, aluminum and lead) but each of these is the result of a single sample exceeding assessment criteria. Testing of the water revealed no aquatic toxicity, however, some sediment toxicity was indicated. Elevated levels of some PAHs were also found in the sediment. In spite of these minor concerns, uses of the river are considered to be fully supported. (DEC/DOW, BWAM/RIBS, April 2003)

A biological assessment (RIBS screening) of the Allegheny River in Salamanca (at Main Street) was also conducted in

2001. Sampling results indicated slightly impacted water quality conditions, which is more consistent with assessments at this site dating back to the 1970s. Macroinvertebrate fauna have for the most part been dominated by filter-feeding caddisflies, midges and black fly larvae, indicating nutrient enrichment possibly caused by organic waste inputs. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the river from 0.5 mile above Bucktooth Run (-20) near Salamanca to unnamed trib (-43) above Vandalia. The waters of this portion of the river are primarily Class B, with a small reach from above Bucktooth Run to unnamed trib (-24) designated Class C. Tribs to this reach/segment are listed separately.

Allegheny River, Main Stem (0201-0025)

MinorImpacts

Waterbody Location Information

Revised: 12/26/2006

Water Index No: Pa-53 (portion 3) **Drain Basin:** Allegheny River
Hydro Unit Code: 05010001/110 **Str Class:** C **Upper Allegheny**
Waterbody Type: River **Reg/County:** 9/Cattaraugus Co. (5)
Waterbody Size: 8.1 Miles **Quad Map:** KNAPP CREEK (M-06-3)
Seg Description: from Vandalia to Olean

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: ---
Suspected: NUTRIENTS
Possible: ---

Source(s) of Pollutant(s)
Known: ---
Suspected: URBAN RUNOFF
Possible: Failing On-Site Syst

Resolution/Management Information

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

Further Details

Aquatic life use support in this portion of the Allegheny River is thought to experience minor impacts due to nutrient enrichment most likely from various nonpoint sources of runoff. Biological sampling at the upstream end and a short ways downstream of this reach indicates slightly impacted water quality. Unidentified sources of organic wastes may also be contributing to the impacts, but whether such sources are present has not been verified.

A biological (macroinvertebrate) assessment of the Allegheny River in Salamanca (at Main Street) was conducted in 2001 and in 2002. Sampling results indicated non-impacted conditions in 2002, with clean-water mayflies dominating the sample and stoneflies also present. Slightly impacted water quality conditions were noted in 2001, which is more consistent with assessments at this site dating back to the 1970s. Macroinvertebrate fauna have for the most part been dominated by filter-feeding caddisflies, midges and black fly larvae, indicating nutrient enrichment possibly caused by organic waste inputs. (DEC/DOW, BWAM/SBU, June 2005)

Water quality in the Allegheny River at the upper end of this reach in Olean (at Union Street) was assessed as slightly impacted in 2001, consistent with assessments at this site dating back to 1975. The macroinvertebrate community was dominated by snails, mayflies, and fingernail clams. This site is upstream of most Olean waste sources; the slight impact is likely from siltation and nonpoint sources. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the river from unnamed trib (-43) above Vandalia to Olean Creek (-54) in Olean.

The waters of this portion of the river are Class C. Tribs to this reach/segment are listed separately.

Allegheny River, Main Stem (0201-0026)

NoKnownImpact

Waterbody Location Information

Revised: 12/15/2006

Water Index No: Pa-53 (portion 4)	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/110	Str Class: C
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 8.4 Miles	Quad Map: OLEAN (M-07-4)
Seg Description: from Olean to NY-Pa state line	

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)
 Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)
 Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)	
Verification Status: (Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office: n/a	Resolution Potential: n/a
TMDL/303d Status: n/a ()	

Further Details

Biological (macroinvertebrate) assessments of the Allegheny River in Mill Grove (at West River Road) have been conducted in numerous years - most recently in 2001 - in order to monitor water quality as the river enters New York State from Pennsylvania. The 2001 sampling showed water quality to be non-impacted, with high numbers of clean water mayflies present. Results over the past 20 years show a possible increase in species richness, indicating improving water quality at this site. In the 1970s and 1980s, multiplate sampling revealed moderate impacts. Oil was the suspected cause of these impacts. In the 1990s, sampling showed generally slightly impacted water quality. (DEC/DOW, BWAM/SBU, June 2005)

Water quality in the Allegheny River at the lower end of this reach in Olean (at Union Street) was assessed as slightly impacted in 2001, consistent with assessments at this site dating back to 1975. The macroinvertebrate community was dominated by snails, mayflies, and fingernail clams. This site is upstream of most Olean waste sources; the slight impact is likely from siltation and nonpoint sources. The sample revealed no significant impacts to aquatic life support and no limitations to other uses were apparent. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the river from Olean Creek (-54) in Olean to the NY-Pa state line. The waters of this portion of the river are Class C. Tribs to this reach/segment are listed separately.

Minor Tribs to Allegheny Reservoir, west (0201-0027)

MinorImpacts

Waterbody Location Information

Revised: 12/15/2006

Water Index No: Pa-53- 1 thru 20 (selected) **Drain Basin:** Allegheny River
Hydro Unit Code: 05010001/220 **Str Class:** C **Upper Allegheny**
Waterbody Type: River **Reg/County:** 9/Cattaraugus Co. (5)
Waterbody Size: 134.2 Miles **Quad Map:** STEAMBURG (M-05-4)
Seg Description: total length of selected tribs to reservoir, from west

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

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: STREAMBANK EROSION, Agriculture, Unknown Source

Resolution/Management Information

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

Further Details

Aquatic life use support in some of these tribs to the Allegheny River are known to experience minor impacts due to nutrient enrichment from various nonpoint runoff sources. Siltation is also a concern in some of the tribs.

Biological (macroinvertebrate) assessments of two small tribs to the Allegheny River - Sawmill Run and Bone Run - were conducted in 2001. Sampling results for Sawmill Run indicated non-impacted water quality conditions. The fauna was dominated by mayflies and caddisflies, with stoneflies also well-represented. The stream was considered somewhat enriched by nonpoint source nutrients. Bone Run was assessed as moderately impacted. The fauna included mayflies, stoneflies and caddisflies, but was heavily dominated by riffle beetles and showed evidence of nutrient enrichment and siltation. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the total length of selected/smaller tribs entering the Allegheny Reservoir from the west from the NY-Pa state line to/including Bucktooth Run (-20) near Salamanca. Tribs within this segment, including State Line Run (-1), Sawmill Run (-2), Browns Run (-2-1), Bone Run (-4), Pierce Run (-5), Hotchkiss Run (-6), Robinson Run (-13), Meetinghouse Run (-16), Sunfish Run (-17), Sawmill Run (-18), and Bucktooth Run (-20), are primarily Class C,C(T),C(TS). Cold Spring Creek (-11) and tribs entering the reservoir from the east are listed separately.

Quaker Run and tribs (0201-0029)

NoKnownImpct

Waterbody Location Information

Revised: 12/15/2006

Water Index No: Pa-53- 8
Hydro Unit Code: 05010111/210 **Str Class:** B(T)
Waterbody Type: River
Waterbody Size: 72.2 Miles
Seg Description: entire stream and tribs

Drain Basin: Allegheny River
Reg/County: 9/Cattaraugus Co. (5)
Quad Map: STEAMBURG (M-05-4)

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:** n/a
TMDL/303d Status: n/a ()

Further Details

A biological (macroinvertebrate) assessment of Quaker Run in Cain Hollow (at Cain Hollow Road) was conducted in 2001. Sampling results indicated clearly non-impacted water quality conditions. The fauna was dominated by mayflies and caddisflies with stoneflies well-represented. (DEC/DOW, BWAM/SBU, June 2005) This segment includes the entire stream and all tribs. The waters of the stream are primarily Class B,B(T); a short reach from the mouth to the Allegheny State Park boundary is designated Class C. Tribs to this reach/segment, including Holts Run (-1), Willis Creek (-4), English Creek (-5) and Stony Brook (-7), are Class B,B(T).

Red House Brook and tribs (0201-0032)

NoKnownImpct

Waterbody Location Information

Revised: 12/15/2006

Water Index No: Pa-53-15	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/170	Str Class: B
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 91.1 Miles	Quad Map: RED HOUSE (M-05-3)
Seg Description: entire stream and tribs	

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)	
Verification Status: (Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office: n/a	Resolution Potential: n/a
TMDL/303d Status: n/a ()	

Further Details

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Red House Creek in Red House, Cattaraugus County, (at Park Avenue) was conducted in 2002. This sampling location is in the Allegany State Park. Sampling of the water column, sediments, and invertebrate tissues was conducted, as well as macroinvertebrate community analysis. Biological (macroinvertebrate) sampling revealed non-impacted water quality conditions. The fauna was dominated by mayflies and caddisflies with stoneflies well-represented. Water column sampling revealed mercury to be parameter(s) of concern. However, this is based on elevated concentrations in just one of ten samples collected. Toxicity testing, sediment assessment and macroinvertebrate tissue analysis showed no significant impacts. (DEC/DOW, BWAM/RIBS, January 2005)

A biological assessment (RIBS screening) of Red House Brook in Stoddard Hollow in Allegany State Park (at covered bridge) was also conducted in 2001. Sampling results also indicated non-impacted water quality conditions in this year. The fauna was similarly dominated by mayflies and caddisflies with stoneflies well-represented. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are primarily Class B,B(T); a short reach from the mouth to the Allegheny State Park boundary is designated Class C. Tribs to this reach/segment, including Bay State Brook (-1), McIntosh Creek (-3) and Beeline Creek (-5), are Class B,B(T).

Little Valley Creek, Lower, and tribs (0201-0013)

NoKnownImpct

Waterbody Location Information

Revised: 12/15/2006

Water Index No:	Pa-53-21	Drain Basin:	Allegheny River
Hydro Unit Code:	05010001/160	Str Class:	C(T)
Waterbody Type:	River	Reg/County:	9/Cattaraugus Co. (5)
Waterbody Size:	60.6 Miles	Quad Map:	LITTLE VALLEY (M-05-2)
Seg Description:	stream and tribs, from mouth to Elkdale		

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

Use(s) Impacted	Severity	Problem Documentation
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NO USE IMPAIRMNT

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential: n/a
TMDL/303d Status:	n/a ()	

Further Details

A biological (macroinvertebrate) assessment of Little Valley Creek in Salamanca (at Washington Street) was conducted most recently in 1996. Sampling results at that time indicated non-impacted water quality conditions. The fauna was dominated by midges and worms, but caddisflies and stoneflies were also present. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to/including Dublin Hollow Creek (-4) near Elkdale. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Whig Street Creek (-3) and Dublin Hollow Creek (-4) are Class C,C(T). Upper Little Valley Creek is listed separately.

Great Valley Cr, Lower, and minor tribs (0201-0039) NoKnownImpct

Waterbody Location Information

Revised: 12/15/2006

Water Index No: Pa-53-25 **Drain Basin:** Allegheny River
Hydro Unit Code: 05010001/150 **Str Class:** C(T) Upper Allegheny
Waterbody Type: River **Reg/County:** 9/Cattaraugus Co. (5)
Waterbody Size: 50.1 Miles **Quad Map:** SALAMANCA (M-06-1)
Seg Description: stream and minor tribs, from mouth to Great Valley

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a **Resolution Potential:** n/a
TMDL/303d Status: n/a ()

Further Details

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Great Valley Creek in Salamanca/Kill Buck, Cattaraugus County, (at Route 219) was conducted in 2002. Sampling of the water column, sediments, and invertebrate tissues was conducted, as well as macroinvertebrate community analysis. Biological (macroinvertebrate) sampling revealed non-impacted water quality conditions. The fauna was dominated by clean-water mayflies. Water column sampling revealed mercury to be parameter(s) of concern. However, this is based on elevated concentrations in just one of nine samples collected. Toxicity testing of water column, sediment assessment and macroinvertebrate tissue analysis showed no significant impacts. Toxicity testing of sediments indicated some possible impacts. Taken together, these results indicate no significant water quality impacts and uses of the stream are considered to be fully supported. (DEC/DOW, BWAM/RIBS, January 2005)

A biological assessment of Great Valley Creek in Kill Buck (at Route 219) was also conducted in 1996. Sampling results indicate non-impacted water quality conditions. As was found in the more recent sampling, the fauna in both samples was dominated by clean-water mayflies. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and selected/smaller tribs from the mouth to Forks Creek (-11) near Great Valley. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Hungry Hollow Creek (-3), Mutton Hollow Creek (-8) and Christian Valley Creek (-10), are Class C,C(T). Wrights Creek (-6) and Forks Creek (-11) are listed separately.

Great Valley Cr, Middle, and minor tribs (0201-0012)

MinorImpacts

Waterbody Location Information

Revised: 12/27/2006

Water Index No: Pa-53-25
Hydro Unit Code: 05010001/150 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 43.3 Miles
Seg Description: stream and tribs, from Great Valley to Ellicottville

Drain Basin: Allegheny River
Reg/County: Upper Allegheny
Quad Map: 9/Cattaraugus Co. (5)
SALAMANCA (M-06-1)

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: - - -
Suspected: D.O./OXYGEN DEMAND, NUTRIENTS, Ammonia, Pathogens, Silt/Sediment
Possible: Water Level/Flow

Source(s) of Pollutant(s)

Known: - - -
Suspected: MUNICIPAL (Ellicottville WWTP), Construction
Possible: Hydro Modification, Streambank Erosion, Urban Runoff

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 3 (Cause Identified, Source Unknown)
Lead Agency/Office: DOW/Reg9 **Resolution Potential:** Medium
TMDL/303d Status: n/a ()

Further Details

Aquatic life support and recreational uses in this portion of Great Valley Creek are thought to experience minor impacts due to nutrient enrichment and siltation from nonpoint sources and development in the area. Growth of ski and recreational areas also results puts stress on existing wastewater treatment facilities which need to be expanded.

A biological (macroinvertebrate) assessment of Great Valley Creek in Ellicottville (at Martha Road) was conducted in 2001. Sampling results initially indicated moderately impacted water quality conditions. This assessment is thought to reflect intermittent flow conditions in the stream. However, Nutrient Biotic Index results show higher levels of nutrient enrichment in the stream. (DEC/DOW, BWAM/SBU, June 2005)

Continued expansion and growth of the ski and recreational areas in and around Ellicottville results in a need to increase existing wastewater treatment plant capability. Portions of the stream were reclassified from C to C(T) in 19987 This plus the low flow/intermittent stream standards require the plant to provide nitrogen removal. Additional residential and commercial development in support of the recreational areas also contributes to stress on the stream. Agricultural and other lands are being converted into ski areas, golf courses, condominiums and commercial businesses. In addition to water quality impacts from stormwater runoff, the impact on changing hydrology and flooding is also a concern. (DEC/DOW, Region 9, 1998)

This segment includes the portion of the stream and all tribs from Forks Creek (-11) near Great Valley to/including Elk Creek (-18) in Ellicottville. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Sommerville Valley Creek (-14), Plum Creek (-17) and Elk Creek (-18), are Class C,C(T). Forks Creek (-11) is listed separately.

Great Valley Cr, Upper, and tribs (0201-0040)

MinorImpacts

Waterbody Location Information

Revised: 12/27/2006

Water Index No: Pa-53-25	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/150	Str Class: C(T) Upper Allegheny
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 97.1 Miles	Quad Map: ELLICOTTVILLE (L-06-4)
Seg Description: stream and tribs, above Ellicottville	

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: - - -
 Suspected: NUTRIENTS
 Possible: Water Level/Flow, Silt/Sediment

Source(s) of Pollutant(s)

Known: - - -
 Suspected: CONSTRUCTION, STREAMBANK EROSION, Hydro Modification
 Possible: - - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))	
Verification Status: 3 (Cause Identified, Source Unknown)	
Lead Agency/Office: DOW/Reg9	Resolution Potential: Medium
TMDL/303d Status: n/a ()	

Further Details

Aquatic life support and recreational uses in this portion of Great Valley Creek are thought to experience minor impacts due to nutrient enrichment and siltation from nonpoint sources and development in the area. Growth of ski and recreational areas also results puts stress on existing wastewater treatment facilities which need to be expanded.

A biological (macroinvertebrate) assessment of Great Valley Creek in Ellicottville (at Martha Road) was conducted in 2001. Sampling results initially indicated moderately impacted water quality conditions. This assessment is thought to reflect intermittent flow conditions in the stream. However, Nutrient Biotic Index results show higher levels of nutrient enrichment in the stream. (DEC/DOW, BWAM/SBU, June 2005)

Continued expansion and growth of the ski and recreational areas in and around Ellicottville results in a need to increase existing wastewater treatment plant capability. Portions of the stream were reclassified from C to C(T) in 1987. This plus the low flow/intermittent stream standards require the plant to provide nitrogen removal. Additional residential and commercial development in support of the recreational areas also contributes to stress on the stream. Agricultural and other lands are being converted into ski areas, golf courses, condominiums and commercial businesses. In addition to water quality impacts from stormwater runoff, the impact on changing hydrology and flooding is also a concern. (DEC/DOW, Region 9, 1998)

This segment includes the portion of the stream and all tribs above Elk Creek (-18) in Ellicottville. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Bryant Hill Creek (-22), McMurray Creek (-23), Beaver Meadows Creek (-25) and Devereaux Branch (-26), are Class C,C(T).

Forks Creek and tribs (0201-0042)

NoKnownImpct

Waterbody Location Information

Revised: 12/15/2006

Water Index No: Pa-53-25-11	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/150	Str Class: C(T) Upper Allegheny
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 70.1 Miles	Quad Map: HUMPHREY (M-06-2)
Seg Description: entire stream and tribs	

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)	
Verification Status: (Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office: n/a	Resolution Potential: n/a
TMDL/303d Status: n/a ()	

Further Details

A biological (macroinvertebrate) assessment of Forks Creek near Great Valley (at Martin Road) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions due to nonpoint source nutrient enrichment. The macroinvertebrate fauna was dominated by riffle beetles, but also included mayflies, stoneflies and caddisflies. Although assessed as slightly impacted, aquatic life is considered to be fully supported in the stream and no limitations to other uses are apparent. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Haines Creek (-3), McGuan Creek (-5), Claire Creek (-7) and Morgan Hollow Creek (-8), are also Class C,C(T).

Tunungwant (Tuna) Creek and tribs (0201-0002)

MinorImpacts

Waterbody Location Information

Revised: 12/15/2006

Water Index No: Pa-53-36	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/140	Str Class: C
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 48.8 Miles	Quad Map: LIMESTONE (M-06-4)
Seg Description: entire stream and minor tribs	

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

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

Type of Pollutant(s)

Known: ---
 Suspected: NUTRIENTS, OIL AND GREASE
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: RESOURCE EXTRACTION (oil fields), URBAN RUNOFF, Industrial, Streambank Erosion
 Possible: Agriculture, Municipal (Limestone WWTP)

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))	
Verification Status: 3 (Cause Identified, Source Unknown)	
Lead Agency/Office: DOW/Reg9	Resolution Potential: Medium
TMDL/303d Status: n/a ()	

Further Details

A biological (macroinvertebrate) assessment of Tunungwant Creek in Limestone (at Limestone Run Road) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. The fauna is heavily dominated by riffle beetles and filter-feeding caddisflies, reflecting nonpoint source nutrient enrichment. This assessment is consistent with previous sampling at this site which dates back to 1990. Prior to that sampling of the stream was conducted at Irvine Mills, where moderate impact due to a combination of oil, poor habitat, and possible effects from municipal inputs (Limestone WWTP) was typically found. (DEC/DOW, BWAM/SBU, June 2005)

Previous assessments of the stream noted oil sheens on stream and occasional fishkills. Sources of these impacts that were cited include oil field discharges in both New York and Pennsylvania, and chemical facilities upstream in Pennsylvania (Witco Chemical in Bradford). (DEC/DOW, Region 9, 1996)

This segment includes the entire stream and selected/smaller tribs. The waters of the stream are Class C. Tribs to this reach/segment, including Bailey Brook (-4), Leonard Brook (-5), Nichol Run (-10) and State Line Brook (-15), are Class C,C(T). Class B tribs within Allegheny State Park, including Rice Brook (-3) and Limestone Brook (-9), are listed separately.

Chipmunk Creek and tribs (0201-0044)

Need Verific

Waterbody Location Information

Revised: 12/18/2006

Water Index No: Pa-53-39	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/140	Str Class: C
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 35.2 Miles	Quad Map: KNAPP CREEK (M-06-3)
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

Type of Pollutant(s)
 Known: ---
 Suspected: NUTRIENTS
 Possible: ---

Source(s) of Pollutant(s)
 Known: ---
 Suspected: ---
 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 in Chipmunk Creek may experience minor impacts due to nonpoint source nutrient enrichment.

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Chipmunk Creek in South Vandailia, Cattaraugus County, (at Route 30) was conducted in 2002. Sampling of the water column, sediments, and invertebrate tissues was conducted, as well as macroinvertebrate community analysis. Biological (macroinvertebrate) sampling revealed slightly impacted water quality conditions, but close to the range of moderate impact. The sample was dominated by algal-feeding riffle beetles, with few mayflies and no stoneflies. Impact Source Determination indicated nonpoint source nutrient inputs to be present. However the Nutrient Biotic Index did not indicate excessive nutrient enrichment. Water column sampling found iron and aluminum to be parameters of concern, however these substances are considered to be naturally occurring and not a source of water quality impact. Toxicity testing, sediment assessment and macroinvertebrate tissue analysis showed no significant impacts. Microtox testing of sediment showed some indication of toxicity. (DEC/DOW, BWAM/RIBS, January 2005)

A biological (macroinvertebrate) assessment of Chipmunk Creek in South Vandailia (at Ninemile Road) conducted in 2001 as part of the RIBS screening effort indicated moderately impacted water quality conditions. The sample was dominated by midges and riffle beetles, with few mayflies or stoneflies. More recently, sampling (RIBS screening) of the stream was conducted again in 2006. The complete results of that sampling were not available at the time of this assessment, but preliminary field results indicated water quality was good suggesting that the water was not significantly

impacted. The water is listed as stressed pending the evaluation of the most recent sampling results. Nonpoint runoff is considered to be the most likely contributing source of nutrients to the stream. (DEC/DOW, BWAM/SBU, June 2005)

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

Ninemile Creek and tribs (0201-0045)

Need Verific

Waterbody Location Information

Revised: 12/18/2006

Water Index No: Pa-53-42	Drain Basin: Allegheny River	
Hydro Unit Code: 05010001/140	Str Class: C	Upper Allegheny
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)	
Waterbody Size: 22.4 Miles	Quad Map: KNAPP CREEK (M-06-3)	
Seg Description: entire stream and tribs		

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

Use(s) Impacted Aquatic Life	Severity Stressed	Problem Documentation Possible
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Type of Pollutant(s)

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

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Possible: AGRICULTURE, FAILING ON-SITE SYST

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 Ninemile Creek may experience minor impacts due to nonpoint source nutrient enrichment.

A biological (macroinvertebrate) assessment of Ninemile Creek in South Vandailia (at North Ninemile Road) was conducted in 2001 and indicated moderately impacted water quality conditions. The sample was dominated by midges and contained many sewage-tolerant species. At the time of sampling the stream had been modified (bulldozed) and flow was very low. The water had a grey appearance and based on the midge species present and other observations, sewage wastes were suspected as contributing to the impacts. However sampling of the stream was conducted again in 2006. The complete results of that sampling were not available at the time of this assessment, but preliminary field results indicated that water quality was very good and suggest that the water was not significantly impacted. The water is listed as stressed pending the evaluation of the most recent sampling results. (DEC/DOW, BWAM/SBU, June 2005)

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

Fivemile Creek and tribs (0201-0047)

NoKnownImpct

Waterbody Location Information

Revised: 12/15/2006

Water Index No: Pa-53-47	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/120	Str Class: C
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 100.1 Miles	Quad Map: HUMPHREY (M-06-2)
Seg Description: entire stream and tribs	

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)	
Verification Status: (Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office: n/a	Resolution Potential: n/a
TMDL/303d Status: n/a ()	

Further Details

A biological (macroinvertebrate) assessment of Fivemile Creek near Allegany (at Route 417) was conducted most recently in 1995. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. Follow-up sampling was scheduled for 2001, however flow in the stream was very low - some sections were dry and other section consisted of standing water - and no sample was taken. (DEC/DOW, BWAM/SBU, July 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Smith Hollow Creek (-2), McClure Hollow Creek (-3), Morgan Hollow Creek (-7) and Pumpkin Hollow Creek (-10), are also Class C,C(T).

Olean Creek, Lower, and tribs (0201-0017)

NoKnownImpct

Waterbody Location Information

Revised: 12/21/2006

Water Index No:	Pa-53-54	Drain Basin:	Allegheny River
Hydro Unit Code:	05010001/100	Str Class:	C
Waterbody Type:	River	Reg/County:	9/Cattaraugus Co. (5)
Waterbody Size:	9.5 Miles	Quad Map:	OLEAN (M-07-4)
Seg Description:	stream and tribs, from mouth to Baldwin Heights		

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential: n/a
TMDL/303d Status:	n/a ()	

Further Details

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Olean Creek in Olean, Cattaraugus County, (at Hastings Road) was conducted in 2002. Sampling of the water column, sediments, and invertebrate tissues was conducted, as well as macroinvertebrate community analysis. Biological (macroinvertebrate) monitoring found slightly impacted conditions with evidence of nutrient enrichment. Water column sampling revealed mercury to be a parameter of concern. Aluminum and iron were also indicated as parameters of concern, however these substances are considered to be naturally occurring and not the source of water quality impacts. Toxicity testing of water column, sediment assessment and macroinvertebrate tissue analysis showed no significant impacts. Toxicity testing of sediments indicated some possible impacts. (DEC/DOW, BWAM/RIBS, January 2005)

A biological assessment (RIBS screening) of Olean Creek in Olean (at Main Street) was also conducted in 2001. Sampling results indicated non-impacted water quality conditions, based on sandy stream criteria. This site was assessed as non-impacted in 1989 as well. The creek was also sampled just above this reach (at Hastings Road) at various times in recent years. Previous sampling in 1995 and 1996 revealed non-impacted water quality. Although some sites were assessed as slightly impacted, aquatic life is considered to be fully supported in the stream and no limitations to other uses are apparent. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to Blakeslee Hollow Creek (-2) in Baldwin Heights. The waters of this portion of the stream are Class C. Tribs to this reach/segment are also Class C. Upper Olean

Creek is listed separately.

Olean Creek, Upper, and tribs (0201-0050)

MinorImpacts

Waterbody Location Information

Revised: 04/24/2007

Water Index No: Pa-53-54	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/100	Str Class: A
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 58.0 Miles	Quad Map: OLEAN (M-07-4)
Seg Description: stream and tribs, from Baldwin Heights to Hinsdale	

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

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Stressed	Suspected

Type of Pollutant(s)

Known: ---
 Suspected: NUTRIENTS (phosphorus), PATHOGENS
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 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/Hlth	Resolution Potential: High
TMDL/303d Status: n/a ()	

Further Details

Drinking water use of Olean Creek is thought to be threatened due to the susceptibility of the water supply to possible pathogen contamination and elevated nutrient loads from activities and sources in the watershed. Class A surface waters of the state that serve as the source of potable water for significant populations are typically categorized as potentially threatened. However the very high susceptibility to contamination, as determined by the NYSDOH Source Water Protection Program (SWAP), results in an assessment of the waterbody as Stressed.

Drinking water for the City of Olean is taken from Olean Creek as well as area wells. These sources serve a population of 15,500 people. Although there are no known water quality impacts to the drinking water use of Olean Creek, a Source Water Assessment by the NYSDOH found an elevated (very high) susceptibility to contamination from pathogens due to the number of point sources (permitted municipal wastewater discharges) and nonpoint agricultural activity and pastureland in the watershed. Olean Creek is one of only a handful of surface water supplies in the state that received assessments as high as "very high" susceptibility. (NYSDOH, SWAP, October 2004)

Biological (macroinvertebrate) assessments of Olean Creek in above Olean (at Hastings Road) was sampled in 2002. Sampling results indicated slightly impacted water quality conditions, with evidence of nutrient enrichment. Previous sampling in 1995 and 1996 revealed non-impacted water quality. A site downstream of this reach in Olean was assessed as non-impacted in 2001. Although there is indication of slightly impacted conditions for some sampling, aquatic life is considered to be fully supported in the stream. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from/including Blakeslee Hollow Creek (-2) in Baldwin Heights to the confluence of Ischua and Oil Creeks in Hinsdale. The waters of this portion of the stream are Class A. Tribs to this reach/segment, including Blakeslee Hollow Creek (-2), Scot Branch (-7) and Gulf Brook (-8), are also Class A. Lower Olean Creek is listed separately.

Ischua Creek, Lower, and tribs (0201-0051)

MinorImpacts

Waterbody Location Information

Revised: 04/24/2007

Water Index No: Pa-53-54-10
Hydro Unit Code: 05010001/090 **Str Class:** A
Waterbody Type: River
Waterbody Size: 30.1 Miles
Seg Description: stream and tribs, from mouth to Ischua

Drain Basin: Allegheny River
Reg/County: Upper Allegheny
9/Cattaraugus Co. (5)
Quad Map: HINSDALE (M-07-1)

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

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Stressed	Suspected

Type of Pollutant(s)

Known: ---
Suspected: NUTRIENTS, PATHOGENS
Possible: ---

Source(s) of Pollutant(s)

Known: ---
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/Hlth **Resolution Potential:** High
TMDL/303d Status: n/a ()

Further Details

Drinking water use of Ischua Creek is thought to be threatened due to the susceptibility of the water supply to possible pathogen contamination and elevated nutrient loads from activities and sources in the watershed. Class A surface waters of the state that serve as the source of potable water for significant populations are typically categorized as potentially threatened. However the very high susceptibility to contamination, as determined by the NYSDOH Source Water Protection Program (SWAP), results in an assessment of the waterbody as Stressed.

Drinking water for the City of Olean is taken from Upper Olean Creek just downstream of this reach of Ischua Creek. These sources serve a population of 15,500 people. Although there are no known water quality impacts to the drinking water use of Ischua/Olean Creeks, a Source Water Assessment by the NYSDOH found an elevated (very high) susceptibility to contamination from pathogens due to the number of point sources (permitted municipal wastewater discharges) and nonpoint agricultural activity and pastureland in the watershed. Olean Creek is one of only a handful of surface water supplies in the state that received assessments as high as "very high" susceptibility. (NYSDOH, SWAP, October 2004)

A biological (macroinvertebrate) assessment of Ischua Creek in Maplehurst (at Mill Street) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions, with nutrient enrichment identified and the primary stressor. These results may have been influenced by low stream flows. In 1998 a biological survey of Ischua Creek at multiple sites between the mouth near Maplehurst and Franklinville was conducted. This survey found non-impacted

conditions at both Maplehurst and Ischua. Although assessed as slightly impacted, aquatic life is considered to be fully supported in the stream and no limitations to other uses are apparent. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to unnamed trib (-4) in Ischua. The waters of this portion of the stream are Class A. Tribs to this reach/segment are also Class A. Middle/Upper Ischua Creek is listed separately.

Ischua Creek, Upper, and tribs (0201-0053)

Need Verific

Waterbody Location Information

Revised: 12/21/2006

Water Index No: Pa-53-54-10	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/090	Str Class: C(T) Upper Allegheny
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 110.1 Miles	Quad Map: DELEVAN (L-07-1)
Seg Description: stream and tribs, above Franklinville	

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

Use(s) Impacted Aquatic Life	Severity Stressed	Problem Documentation Possible
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Type of Pollutant(s)

Known: ---
 Suspected: NUTRIENTS, SALTS
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: ---
 Possible: DEICING (STOR/APPL), OTHER SOURCE (golf course), Landfill/Land Disp. (junkyard/dumping)

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 may experience minor impacts quality to nutrient enrichment and other nonpoint source loadings. Golf course runoff, salt piles and other land disposal (junk yards) have been identified as suspected sources.

A biological survey of Ischua Creek at multiple sites between the mouth near Maplehurst and points above Franklinville was conducted in 1998. This survey found non-impacted to slightly impacted conditions at the seven sites along the stream. Of the 3 sites located in this reach, the most upstream site (Reynolds Road) was assessed as non-impacted. Although a few of the metrics were depressed, this was attributed to poor sampling habitat and headwater effects. A second site below Rock Spring Brook and third site below the Ischua Valley Golf Course revealed slightly impacted water quality. These impacts were thought to be due at least in part to salt piles and junk piles in the Rock Spring Brook watershed and the golf course itself. Because the most recent sampling of these upstream waters was 1998, follow-up sampling should be conducted to evaluate current conditions. (DEC/DOW, BWAM/SBU, June 2005)

Subsequent follow-up sampling by Region 9 Fisheries staff found elevated levels of chlorides, sodium and conductivity in Rock Spring Brook - suggesting impacts from the salt storage site. The Cattaraugus County DPW has indicated it will construct a salt storage barn at the Franklinville Highway Garage to address salt runoff into Rock Spring Brook. Construction is expected to be complete in 2006. (DEC/DOW, Region 9, November 2005)

This segment includes the portion of the stream and all tribs above/including Saunders Creek (-25) in Franklinville. The

waters of this portion of the stream are Class C,C(T). Tribs to this reach/segment, including Bear Creek (-26), Johnson Creek (-28) and Gulf Creek (-32), are Class C,C(T). Lower Ischua Creek is listed separately.

Case Lake (0201-0020)

MinorImpacts

Waterbody Location Information

Revised: 02/26/2007

Water Index No:	Pa-53-54-10-22-P109c	Drain Basin:	Allegheny River
Hydro Unit Code:	05010001/090	Str Class:	C(T)
Waterbody Type:	Lake	Reg/County:	9/Cattaraugus Co. (5)
Waterbody Size:	100.0 Acres	Quad Map:	FRANKLINVILLE (L-07-4)
Seg Description:	entire lake		

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

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

Type of Pollutant(s)

Known: D.O./OXYGEN DEMAND, THERMAL CHANGES
 Suspected: NUTRIENTS, Silt/Sediment
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: AGRICULTURE, Streambank Erosion
 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 and habitat in Case Lake are known to experience impacts due to periodic (summer) low dissolved oxygen at lake depths and high summer water temperatures. Agricultural nonpoint nutrient loading is the likely source of nutrient loadings causing low dissolved oxygen.

Case Lake is a multi-purpose reservoir in the Ischua Creek Watershed Protection District. The lake supports an adequate fishery for warmwater fish species such as largemouth bass, sunfish, yellow perch and bullheads. NYSDEC stocks the lake each spring with yearling and two year old trout and most years in the fall with surplus brood stock trout. However, all species are limited to the upper depths of the lake from mid-June through August due to depleted oxygen in the hypolimnion (below about 15 feet). While warmwater species survive, stocked trout not removed by anglers suffer high mortality because temperature in the upper waters are typically too warm to support cold water species. (DEC/DFWMR, Region 9, January 2007)

In the mid-1990's NYSDEC Fisheries staff attempted to provide some relief through releases to enhance oxygen in the hypolimnion, but these attempts were unsuccessful. The most likely cause for the summer depleted oxygen condition is nutrients entering the lake from agricultural activity in the watershed. Sedimentation from unstable creek banks through out the watershed are also thought to be a contributing source of impacts. The upper end of the lake has filled in significantly over time and this reduces the overall volume of the lake, further impacting dissolved oxygen levels.

Aquatic vegetation is also an increasing concern. (DEC/DFWMR, Region 9, January 2007)

This lake is recommended for additional sampling through the NYSDEC RIBS sampling program.

Oil Creek, Lower, and tribs (0201-0056)

MinorImpacts

Waterbody Location Information

Revised: 12/22/2006

Water Index No: Pa-53-54-11
Hydro Unit Code: 05010001/100 **Str Class:** A
Waterbody Type: River
Waterbody Size: 23.5 Miles
Seg Description: stream and tribs, from mouth to Cuba Lake Outlet

Drain Basin: Allegheny River
Reg/County: Upper Allegheny
9/Cattaraugus Co. (5)
Quad Map: CUBA (M-07-2)

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: ---
Possible: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: AGRICULTURE
Possible: Failing On-Site Syst

Resolution/Management Information

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

Further Details

Aquatic life support is known to experience minor impacts due to nutrient enrichment from nonpoint sources.

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Oil Creek in Hinsdale, Cattaraugus County, (at Old State Road) was conducted in 2002. Sampling of the water column, sediments, and invertebrate tissues was conducted, as well as macroinvertebrate community analysis. Biological (macroinvertebrate) sampling indicated slightly impacted water quality at this site. Water column sampling revealed iron and lead to be parameters of concern. Toxicity testing of water column, sediment assessment and macroinvertebrate tissue analysis showed no significant impacts. Toxicity testing of sediments indicated some possible impacts; and arsenic was found to exceed the Threshold Effects level at which adverse impacts occasionally occur. (DEC/DOW, BWAM/RIBS, January 2005)

A biological survey of Oil Creek at multiple sites between the mouth at Hinsdale and Cuba was also conducted in 2002. Sampling results indicated slightly impacted water quality conditions at all four sites. Three of these sites are in this reach. The most downstream site was also sampled in 2001 during RIBS screening of the Allegheny Basin and found to be slightly impacted. Nonpoint source nutrient enrichment was determined to be the primary source of the impacts. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to Cuba Lake Outlet. The waters of this portion of the stream are Class A. Tribs to this reach/segment are also Class A. Cuba Lake Outlet (-5) is listed separately.

Oil Creek, Upper, and tribs (0201-0057)

NoKnownImpct

Waterbody Location Information

Revised: 12/21/2006

Water Index No:	Pa-53-54-11	Drain Basin:	Allegheny River
Hydro Unit Code:	05010001/100	Str Class:	C
Waterbody Type:	River	Reg/County:	9/Allegheny Co. (2)
Waterbody Size:	33.3 Miles	Quad Map:	CUBA (M-07-2)
Seg Description:	stream and tribs, above Cuba Lake Outlet		

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential: n/a
TMDL/303d Status:	n/a ()	

Further Details

A biological (macroinvertebrate) survey of Oil Creek at multiple sites between the mouth at Hinsdale and Cuba was conducted in 2002. Sampling results indicated slightly impacted water quality conditions at all four sites. The most upstream of these sites is in this reach, the other three sites are downstream (though one is just below the Cuba Lake Outlet. The site in Cuba was evaluated using sandy stream criteria. The community was most similar to impoundment effects. Although assessed as slightly impacted, aquatic life is considered to be fully supported in the stream and no limitations to other uses are apparent. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and selected/smaller tribs above Cuba Lake Outlet (-5). The waters of this portion of the stream are Class C. Tribs to this reach/segment, including Tannery Creek (-6a), are also Class C. Cuba Lake Outlet (-5) and Griffin Creek (-6) are listed separately.

Cuba Lake Outlet (0201-0058)

NoKnownImpct

Waterbody Location Information

Revised: 12/21/2006

Water Index No:	Pa-53-54-11- 5	Drain Basin:	Allegheny River
Hydro Unit Code:	05010001/100	Str Class:	C
Waterbody Type:	River	Reg/County:	9/Allegheny
Waterbody Size:	27.4 Miles	Reg/County:	9/Allegheny Co. (2)
Seg Description:	entire stream	Quad Map:	CUBA (M-07-2)

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential: n/a
TMDL/303d Status:	n/a ()	

Further Details

A biological (macroinvertebrate) assessment of Cuba Lake Outlet (at Route 446) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. The site is a mile below Cuba Lake and impoundment effects were evident. The fauna was dominated by filter-feeding caddisflies. Although assessed as slightly impacted, aquatic life is considered to be fully supported in the stream and no limitations to other uses are apparent. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream. The waters of the stream are Class C.

Cuba Lake (0201-0016)

MinorImpacts

Waterbody Location Information

Revised: 02/26/2007

Water Index No:	Pa-53-54-11- 5-P115	Drain Basin:	Allegheny River
Hydro Unit Code:	05010001/100	Str Class:	B
Waterbody Type:	Lake	Reg/County:	9/Allegheny Co. (2)
Waterbody Size:	454.4 Acres	Quad Map:	CUBA (M-07-2)
Seg Description:	entire lake		

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

Use(s) Impacted	Severity	Problem Documentation
Public Bathing	Stressed	Known
Recreation	Stressed	Known

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus)
 Suspected: D.O./OXYGEN DEMAND, PATHOGENS
 Possible: ---

Source(s) of Pollutant(s)

Known: ---
 Suspected: AGRICULTURE, FAILING ON-SITE SYST, Streambank Erosion
 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

Recreational use in Cuba Lake are known to experience minor impacts due to nutrient loads and resulting plant and algae growth. This assessment is based primarily on long-term sampling at a single site in the lake. It has been suggested that conditions vary in other parts of the lake and this possibility should be investigated. The impact of water quality conditions on public bathing use and aquatic life support should also be more fully evaluated. Nonpoint source nutrient loads from agricultural activities in the watershed and inadequate onsite wastewater treatment systems serving lakeside residences are the suspected sources of impacts to the lake.

Cuba Lake has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1986 thru 1990 and from 1998 thru the present. An Interpretive Summary report of the findings of this sampling was published in 2006. These data indicate that the lake continues to be best characterized mesoeutrophic, or moderately to highly productive. This most recent assessment is consistent with assessment from previous years, although water quality conditions reflected in the CSLAP sampling have been variable from year to year; ranging from oligotrophic (1988) to eutrophic (1987, 2000, 2003). Phosphorus levels in the lake occasionally (23% of the samples collected) exceed the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements rarely fail to meet what is minimally recommended for swimming beaches. Readings for pH typically fall within the state water quality standard range of 6.5 to 8.5. The bottom waters of Cuba Lake have elevated nutrient (phosphorus and ammonia) levels, consistent with oxygen depletion near the lake bottom (and reports of hydrogen sulfide

odors in bottom samples, also associated with oxygen depletion). It is not known if this has resulted in any fisheries impacts. (DEC/DOW, BWAM/CSLAP, February 2006)

Public perception of the lake and its uses is also evaluated as part of the CSLAP effort. These assessments indicate recreational suitability of the lake to be highly favorable, consistent with previous assessments. The recreational suitability of the lake is described most frequently as "could not be nicer" or "excellent." The lake itself is most often described as "not quite crystal clear," an assessment that is slightly more favorable than suggested by measured water quality characteristics. Assessments have noted that aquatic plants only occasionally grow to the lake surface but do not significantly impact recreational uses. Aquatic plants are dominated by a mix of native and non-native species. (DEC/DOW, BWAM/CSLAP, February 2006)

This lake waterbody is designated class B, suitable for use as a public bathing beach, general recreation and aquatic life support, but not as a public water supply. Water quality monitoring by NYSDEC focuses primarily on support of general recreation and aquatic life. Samples to evaluate the bacteriological condition and bathing use of the lake or to evaluate contamination from organic compounds, metals or other inorganic pollutants have not been collected as part of the CSLAP monitoring program. Monitoring to assess potable water supply and public bathing use is generally the responsibility of state and/or local health departments.

Previous assessments have cited inadequate on-site septic systems that serve about 300 seasonal and some year-round lakeside residences as suspected/possible sources of water quality impact. The most recent investigations have not identified obvious septic systems failures, but small lot sizes and poor soils limit properly designed systems. A recent sewer district proposal was narrowly accepted by local voters. Nonpoint agricultural sources are also suspected of contributing to impacts in the lake. (DEC/DOW, Region 9, March 2007)

Continued sampling of the lake through the NYSDEC CSLAP effort is expected. This future sampling is being discussed and planned with an emphasis on the need for more current data that is targeted toward specific issues (particularly the impact of on-site septic systems) as well as bacteriological sampling - not typically a part of CSLAP - that reflects the specific data needs (e.g., frequency) associated with existing water quality standards. In addition, sampling at additional sites in order to provide a more comprehensive whole lake assessment is also being considered. (DEC/DOW, BWAM/RIBS, March 2007)

Rawson Creek and tribs (0201-0060)

MinorImpacts

Waterbody Location Information

Revised: 12/22/2006

Water Index No:	Pa-53-54-11- 5-P115-(2a)	Drain Basin:	Allegheny River
Hydro Unit Code:	05010001/100	Str Class:	C
Waterbody Type:	River	Reg/County:	9/Allegheny Co. (2)
Waterbody Size:	28.2 Miles	Quad Map:	RAWSON (L-07-3)
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	Suspected
Recreation	Stressed	Suspected

Type of Pollutant(s)

Known: D.O./OXYGEN DEMAND, NUTRIENTS (phosphorus)
 Suspected: Pathogens
 Possible: ---

Source(s) of Pollutant(s)

Known: AGRICULTURE (CAFO)
 Suspected: ---
 Possible: ---

Resolution/Management Information

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

Further Details

Aquatic life support and recreational use are thought to experience impacts due to nutrient enrichment and siltation from nonpoint sources. A spill of silage leachate into the stream in 2001 resulted in significant biological impacts. Current conditions and evaluation of possible recovery of the stream is recommended.

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Rawson Creek in Rawson, Cattaraugus County, (at Lyndon Corners Road) was conducted in 2002. Sampling of the water column, sediments, and invertebrate tissues was conducted. No macroinvertebrate community analysis was conducted in 2002 due to bridge construction at the site. Water column sampling revealed nitrate to be a parameter of concern, exceeding its assessment criteria in one of five samples. Toxicity testing of water column showed no significant impacts, however testing of sediments indicated some possible toxicity. (DEC/DOW, BWAM/RIBS, January 2005)

A biological assessment of Rawson Creek in Rawson at two point above and below the site of a June 2001 spill of silage leachate was conducted in 2001. Both sites were assessed as moderately impacted, but comparison of the samples indicated a significant impact at the downstream site. The upstream site was influenced by poor sampling habitat and impoundment effects. The invertebrate community was dominated by midges, but stoneflies, caddisflies and riffle beetles were also present. Runoff from a calf-feeding operation near the stream may also have contributed to the impacts noted. Below the site of the spill, however, the fauna was heavily dominated by tolerant worms and leeches. Very low

dissolved oxygen (1.1 mg/l) was also recorded. Re-sampling after the silage storage is relocated would identify if the impacts are the result of the spill, or due to other nonpoint sources of runoff to the stream. (DEC/DOW, BWAM/SBU, June 2005)

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

Griffin Creek and tribs (0201-0061)

NoKnownImpct

Waterbody Location Information

Revised: 12/22/2006

Water Index No:	Pa-53-54-11- 6	Drain Basin:	Allegheny River
Hydro Unit Code:	05010001/100	Str Class:	C
Waterbody Type:	River	Reg/County:	9/Allegheny
Waterbody Size:	32.1 Miles	Reg/County:	9/Allegheny Co. (2)
Seg Description:	entire stream and tribs	Quad Map:	CUBA (M-07-2)

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)

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

Source(s) of Pollutant(s)

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

Resolution/Management Information

Issue Resolvability:	8 (No Known Use Impairment)	
Verification Status:	(Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office:	n/a	Resolution Potential: n/a
TMDL/303d Status:	n/a ()	

Further Details

A biological (macroinvertebrate) assessment of Griffin Creek (at Bull Street) was conducted in 2002. Sampling results indicated slightly impacted water quality conditions. Elevated conductivity and a fauna dominated by facultative midges was found at the site. Nonpoint source runoff and siltation were noted as likely sources of impacts. Although assessed as slightly impacted, aquatic life is considered to be fully supported in the stream and no limitations to other uses are apparent. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Johnson Creek (-2) and West Branch (-3), are Class C.

Dodge Creek, Lower, and tribs (0201-0065)

MinorImpacts

Waterbody Location Information

Revised: 12/22/2006

Water Index No: Pa-53-63
Hydro Unit Code: 05010001/070 **Str Class:** C
Waterbody Type: River
Waterbody Size: 26.9 Miles
Seg Description: stream and tribs, from mouth to near Obi
Drain Basin: Allegheny River
Reg/County: 9/Cattaraugus Co. (5)
Quad Map: PORTVILLE (M-07-3)

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: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: AGRICULTURE
Possible: Failing On-Site Syst

Resolution/Management Information

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

Further Details

Aquatic life support is known to experience minor impacts due to nutrient enrichment and siltation from nonpoint sources.

A biological (macroinvertebrate) assessment of Dodge Creek in Portville near its mouth (at Route 417) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions attributed to nonpoint source nutrient enrichment and siltation. Although aquatic life is supported in the stream, nutrient biotic evaluation indicates the level of eutrophication is sufficient to stress aquatic life support. These most recent conditions represent a decline in water quality from previous sampling conducted in 1990 which indicated non-impacted conditions. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs from the mouth to Wolf Creek (-6) below Obi. The waters of this portion of the stream are Class C,C(T). Tribs to this reach/segment, including Deer Creek (-1) and Coon Branch (-2), are Class C. Wolf Creek (-6) is listed separately.

Oswayo Creek and tribs (0201-0068)

NoKnownImpct

Waterbody Location Information

Revised: 12/22/2006

Water Index No: Pa-53-64	Drain Basin: Allegheny River
Hydro Unit Code: 05010001/050	Str Class: C
Waterbody Type: River	Reg/County: 9/Cattaraugus Co. (5)
Waterbody Size: 28.8 Miles	Quad Map: PORTVILLE (M-07-3)
Seg Description: entire stream and tribs, within NYS	

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

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)
 Known: ---
 Suspected: ---
 Possible: ---

Source(s) of Pollutant(s)
 Known: ---
 Suspected: ---
 Possible: ---

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)	
Verification Status: (Not Applicable for Selected RESOLVABILITY)	
Lead Agency/Office: n/a	Resolution Potential: n/a
TMDL/303d Status: n/a ()	

Further Details

A biological (macroinvertebrate) assessment of Oswayo Creek in Mill Grove (at East Carroll Road) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions due to nonpoint source nutrient enrichment. The macroinvertebrate community was teeming with invertebrates and diatoms; the fauna was dominated by filter-feeding caddisflies and midges. Although assessed as slightly impacted, aquatic life is considered to be fully supported in the stream and no limitations to other uses are apparent. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and all tribs within NYS. The waters of this portion of the stream are Class C. Tribs to this reach/segment, including Butternut Brook (-2), Bells Brook (Pa-42) and unnamed tribs (Pa-41 and Pa-40), are also Class C.

