



Oswayo Creek Watershed (0501000102)

Water Index Number	Waterbody Segment	Category
Pa-53-64	Oswayo Creek and tribs (0201-0068)	Threatened
Pa-53-64..Pa-32	Honeoye Creek and tribs (0201-0021)	No Known Impacts
Pa-53-64..Pa-32-P87c	Beaver Lake/Alma Pond (0201-0073)	Impaired
Pa-53-64..Pa-33 thru 38	Minor Tribs to Pennsylvania (0201-0069)	Unassessed
Pa-53-64..Pa-39	Little Genesee Creek, Lower, and tribs (0201-0001)	Minor Impacts
Pa-53-64..Pa-39	Little Genesee Creek, Upper, and tribs (0201-0070)	Unassessed

Oswayo Creek and tribs (0201-0068)

Threatened

Waterbody Location Information

Revised: 03/01/2015

Water Index No: Pa-53-64
Unit Code: 0501000102 **Class:** C
Water Type/Size: River 28.8 Miles
Description: entire stream and tribs, w/in NYS

Drain Basin: Allegheny River
Upper Allegheny
Reg/County: 9/ Cattaraugus Co. (5)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Fully Supported	Suspected
Aquatic Life	Threatened	Known
Fish Consumption	Fully Supported	Unconfirmed

Conditions Evaluated

Habitat/Hydrology	Poor
Aesthetics	Unknown

Type of Pollutant(s)

Known: ---
Suspected: UNKNOWN POLLUTANTS (biological impacts)
Unconfirmed: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: HABITAT ALTERATION, Unknown Source
Unconfirmed: ---

Management Information

Management Status: Strategy Implementation Scheduled or Underway
Lead Agency/Office: ext/WQCC
IR/305(b) Code: Water Attaining All Standards (IR Category 1)

Further Details

Overview

Oswayo Creek is assessed as being threatened due to aquatic life that is considered to be threatened by unspecified pollutants. Biological sampling results show slightly impacted conditions that approach the non-impacted range and with a community that has some similarity to natural conditions. The minor impacts may be habitat-related.

Use Assessment

Oswayo Creek is a Class C waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply or for public bathing.

Aquatic life is considered to be supported with minimal impacts. Biological sampling of the stream show conditions to be in the slightly impacted range, but approaching non-impacted and with a community that is similar to natural conditions. This sampling can also be used to infer that there are no significant impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. (DEC, DOW, BWAM, July 2014)

There are no health advisories in place limiting the consumption of fish from this waterbody (beyond the general advice for all waters). Fish consumption is considered to be fully supported based on the absence of any waterbody-specific advisory, but is noted as unconfirmed since routine monitoring of contaminants in fish is limited. (NYS DOH Health Advisories and DEC/DOW, BWAM, January 2014)

Water Quality Information

A biological (macroinvertebrate) assessment of Oswayo Creek in Mill Grove (at East Carroll Road) was conducted as part of the RIBS biological screening effort in 2011. Sampling results reflect good water quality. Conditions were in the slightly impacted range but approaching non-impacted and communities were similar to natural conditions. The macroinvertebrate community shows some beginning signs of alteration, some expected sensitive species are not present and overall macroinvertebrate species richness is somewhat lower than expected, but overall there is still balanced distribution of all expected taxa. These results are consistent with results from 2001 sampling at the site. (DEC/DOW, BWAM/SBU, January 2015)

Habitat at the site is significantly altered by human activity, degrading the stream and surrounding riparian buffer. However aquatic life, as measured by the macroinvertebrates community, is fully supported indicating water quality is sufficiently high to overcome less than ideal habitat. The poor habitat may influence the fishery. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

No specific sources of pollutants to the waterbody have been identified. The minor impacts may be the result of the altered stream habitat. (DEC/DOW, BWAM/SBU, January 2015)

Management Action

No specific management actions have been identified for the waterbody. Habitat restoration may be the appropriate approach to address the remaining minor impacts to the stream. (DEC/DOW, BWAM, January 2015)

Section 303(d) Listing

Oswayo Creek is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impacts that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, January 2015)

Segment Description

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.

Honeoye Creek and tribs (0201-0021)

No Known Impact

Waterbody Location Information

Revised: 03/01/2015

Water Index No: Pa-53-64..Pa-32
Unit Code: 0501000102 **Class:** C
Water Type/Size: River 30.8 Miles
Description: entire stream and tribs

Drain Basin: Allegheny River
Reg/County: Upper Allegheny
9/ Allegany Co. (2)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Fully Supported	Suspected
Aquatic Life	Fully Supported	Known
Fish Consumption	Fully Supported	Unconfirmed

Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s)

Known: - - -
Suspected: - - -
Unconfirmed: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: - - -
Unconfirmed: - - -

Management Information

Management Status: No Action Needed
Lead Agency/Office: ext/WQCC
IR/305(b) Code: Water Attaining All Standards (IR Category 1)

Further Details

Overview

Honeoye Creek is assessed as having no known impacts; all evaluated uses are considered to be fully supported.

Use Assessment

Honeoye Creek is a Class C waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply or for public bathing.

Aquatic life is considered to be fully supported based on biological sampling that shows non-impacted conditions. This sampling can also be used to infer that there are no significant impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. (DEC/DOW, BWAM/SBU, December 2014)

There are no health advisories in place limiting the consumption of fish from this waterbody (beyond the general advice for all waters). Fish consumption is considered to be fully supported based on the absence of any waterbody-specific advisory, but is noted as unconfirmed since routine monitoring of contaminants in fish is limited. (NYS DOH Health Advisories and DEC/DOW, BWAM, January 2014)

Water Quality Information

A biological (macroinvertebrate) assessment of Honeoye Creek in Alma (off Route 18) was conducted as part of the RIBS biological screening effort in 2006. Sampling results indicated non-impacted conditions and very good water quality. Such samples are dominated by clean-water species and are most similar to a natural community with minimal human impacts. Some additional species, including sensitive non-native species, and additional biomass may be present; the samples reveal no, or only incidental, anomalies. Aquatic life community is fully supported. These results are consistent with results from 2001 sampling at the site. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

There are no apparent sources of pollutants to the waterbody. (DEC/DOW, BWAM, January 2015)

Management Action

No specific management actions have been identified or are deemed necessary for the waterbody. (DEC/DOW, BWAM, January 2015)

Section 303(d) Listing

Honeoye Creek is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impacts that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, January 2015)

Segment Description

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 Hunt Creek (-4), are Class C,C(T),C(TS).

Beaver (Alma) Lake (0201-0073)

Impaired

Waterbody Location Information

Revised: 04/01/2016

Water Index No: Pa-53-64...Pa-32-P87c
Hydro Unit Code: Oswayo Creek (0501000102)
Water Type/Size: Lake/Reservoir 29.7 Acres
Description: entire lake

Water Class: C
Drainage Basin: Allegheny River
Reg/County: 9/Cattaraugus (5)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Impaired	Known
Aquatic Life	Stressed	Suspected
Fish Consumption	Fully Supported	Unconfirmed

Conditions Evaluated

Habitat/Hydrology	Good
Aesthetics	Fair

Type of Pollutant(s)

Known: ALGAL/PLANT GROWTH, HARMFUL ALGAL BLOOMS, NUTRIENTS (PHOSPHORUS)
Suspected:
Unconfirmed:

Source(s) of Pollutant(s)

Known:
Suspected: OTHER SOURCE
Unconfirmed: Agriculture, Urban/Storm Runoff

Management Information

Management Status: Restoration/Protection Strategy Needed
Lead Agency/Office: DOW/Reg9
IR/305(b) Code: Impaired Water Requiring a TMDL (IR Category 5)

Further Details

Overview

Beaver Lake/Alma Pond is assessed as an impaired waterbody due to recreational uses and public bathing that are known to be impaired/stressed by elevated nutrients, high algal levels and poor water clarity. No specific sources of the pollutants have been identified, but agricultural activities are possible sources of nutrients; internal nutrient loading of the lake is also thought to be a significant contributor. Harmful algal blooms (HABs) also impact recreational use.

Use Assessment

Beaver Lake/Alma Pond is a Class C waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply or for public bathing.

Recreation use is considered to be impaired by elevated nutrients (phosphorus), excessive algae, poor water clarity, and shoreline harmful algal blooms. Aesthetic conditions of the lake are considered to be poor due to excessive algae, shoreline algal blooms and excessive aquatic vegetation. (DEC/DOW, BWAM/LMAS, July 2013)

There are no health advisories in place limiting the consumption of fish from this waterbody (beyond the general advice for all waters). Fish consumption is considered to be fully supported based on the absence of any waterbody-specific advisory, but is noted as unconfirmed since routine monitoring of contaminants in fish is limited. (NYS DOH Health Advisories and DEC/DOW, BWAM, January 2014)

Water Quality Information

Water quality sampling of Beaver Lake/Alma Pond has been conducted through the NYSDEC Lake Classification and

Inventory (LCI) Program in 2011 and 2012. Results of this sampling indicate the lake is best characterized as hypereutrophic, or very highly productive. Chlorophyll/algal levels are consistently above criteria corresponding to impaired recreational uses, while phosphorus concentrations are typically very high. Lake clarity measurements indicate water transparency typically fail to meet the recommended minimum criteria for swimming beaches. Potentially harmful blue-green algal blooms were observed and verified on multiple occasions in 2011 and 2012. Readings of pH frequently fall above the range established in state water quality standards for protection of aquatic life, however a recent (2012) fishery survey indicated a healthy abundant panfish population occurs in the lake. (DEC/DOW, BWAM/LMAS, May 2014)

Source Assessment

Specific sources of pollutants to the Lake have not been identified. The land immediately surrounding the lake is mostly forested with a county road running along the northern shoreline of the lake. The lake's watershed is mostly forested with a small amount of agricultural lands with very little development outside of the road running along the northern shoreline of the lake. Internal nutrient loading is thought to be a significant source of phosphorus. (DEC/DOW, BWAM, January 2015)

Management Actions

No specific management actions have been identified for the waterbody. A range of general best management practices and other recommendations to restore and protect water quality in all lakes is outlined in the NYSDEC manual Diet for a Small Lake (NYSDEC/FOLA, 2009).

Section 303(d) Listing

Beaver Lake/Alma Pond is included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. The waterbody is included on Part 1 of the List as an impaired waterbody requiring the eventual development of a TMDL or other restoration strategy to address phosphorus. This waterbody was first listed on the 2016 List. (DEC/DOW, BWAM/WQAS, April 2016)

Segment Description

This segment includes the total area of the entire lake.

Minor Tribes to Pennsylvania (0201-0069)

Unassessed

Waterbody Location Information

Revised: 03/01/2015

Water Index No: Pa-53-64..Pa-33 thru 38
Unit Code: 0501000102 **Class:** C
Water Type/Size: River 24.4 Miles
Description: total length of selected/smaller tribes to PA

Drain Basin: Allegheny River
Reg/County: Upper Allegheny
9/ Cattaraugus Co. (5)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Unassessed	-
Aquatic Life	Unassessed	-
Fish Consumption	Unassessed	-

Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s)

Known: ---
Suspected: ---
Unconfirmed: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Unconfirmed: ---

Management Information

Management Status: UnAssessed
Lead Agency/Office: DOW/BWAM
IR/305(b) Code: Water with Insufficient Data (IR Category 3)

Further Details

Overview

Currently there is inadequate data/information to evaluate uses and determine a water quality assessment for this waterbody.

Segment Description

This segment includes the total length of selected/smaller tribes flowing into Pennsylvania. Tribes within this segment, including California Hollow Brook (-33) and Horse Run (-36), are Class C,C(T).

Little Genesee Creek, Lower, and tribs (0201-0001)

Minor Impacts

Waterbody Location Information

Revised: 03/01/2015

Water Index No: Pa-53-64..Pa-39
Unit Code: 0501000102 **Class:** C(T)
Water Type/Size: River 43.0 Miles
Description: stream and tribs, from mouth to Bolivar

Drain Basin: Allegheny River
Reg/County: Upper Allegheny
9/ Allegany Co. (2)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Stressed	Suspected
Aquatic Life	Stressed	Known
Fish Consumption	Fully Supported	Unconfirmed

Conditions Evaluated

Habitat/Hydrology	Fair
Aesthetics	Unknown

Type of Pollutant(s)

Known: - - -
Suspected: UNKNOWN POLLUTANTS (biological impacts)
Unconfirmed: Nutrients (Phosphorus)

Source(s) of Pollutant(s)

Known: - - -
Suspected: UNKNOWN SOURCE
Unconfirmed: Agriculture, Municipal (Bolivar WWTP)

Management Information

Management Status: Verification of Pollutants/Causes Needed
Lead Agency/Office: DOW/Reg9
IR/305(b) Code: Water Attaining All Standards (IR Category 1)

Further Details

Overview

This portion of Little Genesee Creek is assessed as having minor impacts due to aquatic life that is known to be stressed. No specific pollutant or sources have been identified, but sampling results suggest municipal wastewater impacts contributions to the impacts.

Use Assessment

This waterbody segment is a Class C(T) waterbody, suitable for general recreation use and support of aquatic life, but not as a water supply of for public bathing. The waterbody is also designated as a cold water (trout) fishery.

Aquatic life is evaluated as supported but stressed based on biological sampling that shows slight impacts. This

sampling can also be used to infer that there are no significant impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. (DEC/DOW, BWAM/SBU, December 2014)

There are no health advisories in place limiting the consumption of fish from this waterbody (beyond the general advice for all waters). Fish consumption is considered to be fully supported based on the absence of any waterbody-specific advisory, but is noted as unconfirmed since routine monitoring of contaminants in fish is limited. (NYS DOH Health Advisories and DEC/DOW, BWAM, January 2014)

Water Quality Information

A biological (macroinvertebrate) assessment of Little Genesee Creek in Bolivar (at Obi Road) was conducted as part of the RIBS program in 2011 and 2012. Although 2011 results reflected non-impacted conditions, the 2012 results and the overall evaluation of the site was slightly impacted. Sampling results reflect fair to good water quality, with the macroinvertebrate community altered from what is expected under natural conditions and indications of nonpoint and possible municipal impacts. Some expected sensitive species are not present and overall macroinvertebrate species richness is lower than expected. Some changes in community composition have occurred due to replacement of sensitive ubiquitous taxa by more tolerant taxa, but overall there is still balanced distribution of all expected taxa. In spite of these minor impacts, aquatic life is considered to be supported. These results are consistent with results from 2001 and prior years sampling at the site. (DEC/DOW, BWAM/SBU, January 2015)

Source Assessment

Based on the biologic community composition, surrounding land use and other knowledge of the waterbody, the most likely/possible source(s) of pollutants to the waterbody are nonpoint agricultural runoff and/or a nearby golf course. Municipal wastewater impacts are also possible but unconfirmed. A new Bolivar WWTP was completed in 1991 and resulted in significant improvements to the stream. Although the facility continues to operate satisfactorily, inflow/infiltration problems resulting in occasional sewage bypasses impact water quality. (DEC/DOW, BWAM, January 2015)

Management Action

No specific management actions have been identified for the waterbody. (DEC/DOW, BWAM, January 2015)

Section 303(d) Listing

Lower Little Genesee Creek is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impacts that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, January 2015)

Segment Description

This segment includes the portion of the stream and all tribs from the mouth to/including unnamed trib (-8) in Bolivar. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment, including Windfall Creek (-4), are Class C,C(T). Upper Little Genesee Creek is listed separately.

Little Genesee Creek, Upper, and tribs (0201-0070)

Unassessed

Waterbody Location Information

Revised: 03/01/2015

Water Index No: Pa-53-64..Pa-39
Unit Code: 0501000102 **Class:** C(T)
Water Type/Size: River 45.4 Miles
Description: stream and tribs, above Bolivar

Drain Basin: Allegheny River
Reg/County: 9/ Allegany Co. (2)

Water Quality Problem/Issue Information

Uses Evaluated	Severity	Confidence
Water Supply	N/A	-
Public Bathing	N/A	-
Recreation	Unassessed	-
Aquatic Life	Unassessed	-
Fish Consumption	Unassessed	-

Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

Type of Pollutant(s)

Known: ---
Suspected: ---
Unconfirmed: ---

Source(s) of Pollutant(s)

Known: ---
Suspected: ---
Unconfirmed: ---

Management Information

Management Status: UnAssessed
Lead Agency/Office: DOW/BWAM
IR/305(b) Code: Water with Insufficient Data (IR Category 3)

Further Details

Overview

Currently there is inadequate data/information to evaluate uses and determine a water quality assessment for this waterbody.

Segment Description

This segment includes the portion of the stream and all tribs above unnamed trib (-8) in Bolivar. The waters of this portion of the stream are Class C(T). Tribs to this reach/segment are Class C,C(T). Lower Little Genesee Creek is listed separately.