



## Upper Conewango Creek Watershed (0501000201)

<b>Water Index Number</b>	<b>Waterbody Segment</b>	<b>Category</b>
Pa-63 (portion 4)	Conewango Creek, Upper, and minor tribs (0202-0074)	No Known Impact
Pa-63-44	West Branch Conewango and minor tribs (0202-0050)	Minor Impacts
Pa-63-44- 3	North Branch Conewango Creek and tribs (0202-0051)	Needs Verification
Pa-63-44-10-P145a	Black Pond (0202-0053)	Unassessed
Pa-63-44-P145	West Mud Lake (0202-0054)	Minor Impacts
Pa-63-47	Slab City Creek and tribs (0202-0055)	No Known Impact
Pa-63-P148a	New Albion Lake/Reservoir (0202-0080)	Minor Impacts

# Conewango Creek, Upper, and minor tribs (0202-0074) No Known Impact

## Waterbody Location Information

Revised: 07/01/2014

**Water Index No:** Pa-63 (portion 4)      **Drain Basin:** Allegheny River  
**Unit Code:** 0501000201      **Class:** C      Conewango Creek  
**Water Type/Size:** River      107.9 Miles      **Reg/County:** 9/Cattaraugus Co. ( 5)  
**Description:** stream and selected tribs, above Millmans Corners

## 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:** DOW/BWAM  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

This portion of Conewango Creek is assessed as having No Known Impacts; all evaluated uses are considered to be fully supported.

### Use Assessment

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. Additional sampling is also needed to more fully evaluate other recreational use.

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 Conewango Creek in Dayton (at Cross Road) was conducted as part of the RIBS biological screening effort in 2011. Sampling results indicated non-impacted conditions. Such samples are dominated by clean-water species and are unaltered from a natural community with minimal human impacts. Aquatic life community is fully supported. (DEC/DOW, BWAM/SBU, December 2014)

#### Source Assessment

There are no apparent sources of pollutants to the waterbody.

#### Management Action

No specific management actions have been identified or are deemed necessary for the waterbody.

#### Section 303(d) Listing

This Minor Tribs to Chautauqua Lake segment is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters. (DEC/DOW, BWAM/WQAS, January 2009)

#### Segment Description

This segment includes the portion of the stream and selected tribs above to Cherry Creek (-39) in Millmans Corners. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Lawrence Hollow Brook (-53) and New Albion Creek (-56), are also Class C,C(T). Cherry Creek (-39), West Branch (-44) and Slab City Creek (-47) are listed separately.

# West Branch Conewango and minor tribs (0202-0050)

# Minor Impacts

## Waterbody Location Information

Revised: 01/05/2015

**Water Index No:** Pa-63- 44  
**Unit Code:** 0501000201      **Class:** C  
**Water Type/Size:** River      75.9 Miles  
**Description:** entire stream and selected tribs

**Drain Basin:** Allegheny River  
Conewango Creek  
**Reg/County:** 9/Chautauqua Co. ( 7)

## Water Quality Problem/Issue Information

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

### Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

### Type of Pollutant(s)

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

### Source(s) of Pollutant(s)

Known: - - -  
Suspected: Agriculture  
Unconfirmed: UNKNOWN SOURCE

## Management Information

**Management Status:** Verification of Pollutants/Causes Needed  
**Lead Agency/Office:** DOW/BWAM  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 3)

## Further Details

### Overview

West Branch Conewango Creek is assessed as having minor impacts due to aquatic life that is known to be stressed, though overall water quality is good and supports assessed uses. No specific pollutants or sources have been identified.

### Use Assessment

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

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

water quality is considered to be good and supports aquatic life. 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. Additional sampling is also needed to more fully evaluate other recreational and swimming use. (DEC, DOW, BWAM, 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 Sampling

A biological (macroinvertebrate) survey/assessment of West Branch Conewango Creek in Balcom Corners (at Route 87) was conducted as part of the RIBS biological screening effort in 2006. Sampling results reflect good water quality with conditions in the slightly impacted range. The macroinvertebrate community shows some beginning signs of alteration from natural conditions. 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. Sampling at this site in 2001 found comparable conditions. (DEC/DOW, BWAM/SBU, December 2014)

#### Source Assessment

Specific sources of pollutants to West Branch Conewango Creek have not been identified. Biological sampling impact source determination was inconclusive.

#### Management Action

No specific management actions have been identified for the waterbody.

#### Section 303(d) Listing

West Branch Conewango Creek is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters.

#### Segment Description

This segment includes the entire stream and selected/smaller tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Dry Creek (-2), Farrington Hollow Brook (-8) and Little Conewango Creek (-10), are also Class C,C(T). North Branch (-3) is listed separately.

# North Branch Conewango and minor tribs (0202-0051) Needs Verification

## Waterbody Location Information

Revised: 01/05/2015

<b>Water Index No:</b>	Pa-63- 44- 3	<b>Drain Basin:</b>	Allegheny River
<b>Unit Code:</b>	0501000201	<b>Class:</b>	C
<b>Water Type/Size:</b>	River		11.1 Miles
<b>Description:</b>	entire stream and tribs		<b>Reg/County:</b> 9/Chautauqua Co. ( 7)

## Water Quality Problem/Issue Information

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

**Conditions Evaluated**

Habitat/Hydrology	Unknown
Aesthetics	Unknown

### Type of Pollutant(s)

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

### Source(s) of Pollutant(s)

Known: - - -  
Suspected: Agriculture  
Unconfirmed: UNKNOWN SOURCE

## Management Information

**Management Status:** Verification of Problem Severity Needed  
**Lead Agency/Office:** DOW/BWAM  
**IR/305(b) Code:** Water with Insufficient Data (IR Category 3)

## Further Details

### Overview

North Branch Conewango Creek is assessed as having minor impacts due to aquatic life that is known to be stressed, though overall water quality is good and supports assessed uses. No specific pollutants or sources have been identified.

### Use Assessment

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

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

water quality is considered to be good and supports aquatic life. 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. Additional sampling is also needed to more fully evaluate other recreational and swimming use. (DEC, DOW, BWAM, 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 Sampling

A biological (macroinvertebrate) assessment of North Branch Conewango Creek in Wango (at Bartlett Hill Road) was conducted as part of the RIBS biological screening effort in 2001. Sampling results reflect good water quality with conditions in the slightly impacted range. The macroinvertebrate community shows some beginning signs of alteration from natural conditions. Due to the lack of recent sampling, conditions in this stream should be verified. (DEC/DOW, BWAM/SBU, December 2014)

#### Source Assessment

Specific sources of pollutants to North Branch Conewango Creek have not been identified. Biological sampling impact source determination was inconclusive.

#### Management Action

No specific management actions have been identified for the waterbody.

#### Section 303(d) Listing

North Branch Conewango Creek is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters.

#### 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 are Class C.

# Black Pond (0202-0053)

Unassessed

## Waterbody Location Information

Revised: 07/01/2014

<b>Water Index No:</b>	Pa-63-44-10-P145a	<b>Drain Basin:</b>	Allegheny River
<b>Unit Code:</b>	0501000201	<b>Class:</b>	C
<b>Water Type/Size:</b>	Lake		15.7 Acres
<b>Description:</b>	entire lake		
		<b>Reg/County:</b>	9/Chautauqua Co. ( 7 )

## 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	-
<b>Conditions Evaluated</b>		
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 area of the entire lake.

# West Mud Lake (0202-0054)

# Minor Impacts

## Waterbody Location Information

Revised: 01/15/2015

<b>Water Index No:</b>	Pa-63-44-P145	<b>Drain Basin:</b>	Allegheny River
<b>Unit Code:</b>	0501000201	<b>Class:</b>	C
<b>Water Type/Size:</b>	Lake		14.9 Acres
<b>Description:</b>	entire lake		
		<b>Reg/County:</b>	9/Chautauqua Co. ( 7)

## Water Quality Problem/Issue Information

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

**Conditions Evaluated**

Habitat/Hydrology	Fair
Aesthetics	Fair

### Type of Pollutant(s)

Known: ALGAL/PLANT GROWTH (native), NUTRIENTS (Phosphorus), D.O./Oxygen Demand  
Suspected: Harmful Algal Blooms  
Unconfirmed: - - -

### Source(s) of Pollutant(s)

Known: - - -  
Suspected: OTHER SOURCE (internal loading)  
Unconfirmed: Agriculture, Onsite/Septic Systems

## Management Information

**Management Status:** Verification of Problem Severity Needed  
**Lead Agency/Office:** DOW/BWAM  
**IR/305(b) Code:** Water with Insufficient Data (IR Category 3)

## Further Details

### Overview

West Mud Lake is assessed as having minor impacts due to recreational uses that are known to be stressed, and may have impacts that rise to the level of impairment. Nutrient levels and eutrophic conditions are the primary cause of the water quality impacts.

### Use Assessment

This waterbody is designated class C, suitable for general recreational use and aquatic life support, but not as a water supply or for public bathing.

Recreational use is evaluated as impaired (suspected) based on high algae and phosphorus levels. Aquatic life is

thought to be stressed due to anoxic conditions in hypolimnion of the lake throughout the summer of 2012.

Fish Consumption use is considered to be unassessed. There are no health advisories limiting the consumption of fish from this waterbody (beyond the general advice for all waters). However due to the presence of impacts/contaminants in the stream and the uncertainty as to whether the lack of a waterbody-specific health advisory is based on actual sampling, fish consumption use is noted as unassessed, rather than fully supported but unconfirmed. (NYS DOH Health Advisories and DEC/DOW, BWAM, December 2014)

#### Water Quality Information

West Mud Lake has been sampled as part of the Lake Classification and Inventory (LCI) survey in 2011 and 2012. Results from this sampling indicate that the lake is best characterized as eutrophic, or highly productive. Both chlorophyll a and phosphorus levels in the lake typically fall slightly above the applicable criteria suggesting impairment of some recreational uses. Lake clarity consistently exceeds minimum recommended water transparency for swimming beaches. Depth profiles showed depressed deepwater oxygen levels near the lake bottom. The shallowness of the lake contributes to conditions in the lake and limits on recreational use. (DEC/DOW, BWAM/LCI, March 2014)

#### Source Assessment

The specific sources of phosphorus to West Mud Lake have not been identified. Potential sources include: residential, nonpoint source runoff from agricultural and gravel mining activities, and internal loading (nutrient recycling). Dissolved oxygen depletion has the potential for reductive release of nutrients from sediments which can lead to internal nutrient loading. Suspended phosphorus levels within the bottom waters of the lake suggest that phosphorus is being released from bottom sediments and contributing to the high total phosphorus levels in the lake. (DEC/DOW, BWAM/LCI, January 2015)

#### Management Actions

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

#### Section 303(d) List Information

West Mud Lake is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters. However this updated assessment suggests it may be appropriate to include this waterbody on a future List, pending additional sampling to verify an impairment. (DEC/DOW, BWAM/WQAS, January 2015)

#### Segment Description

This segment includes the entire lake.

# Slab City Creek and tribs (0202-0055)

# No Known Impact

## Waterbody Location Information

Revised: 07/01/2014

<b>Water Index No:</b>	Pa-63-47	<b>Drain Basin:</b>	Allegheny River
<b>Unit Code:</b>	0501000201	<b>Class:</b>	C
<b>Water Type/Size:</b>	River		62.6 Miles
<b>Description:</b>	entire stream and tribs		
		<b>Reg/County:</b>	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	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:** DOW/BWAM  
**IR/305(b) Code:** Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

Slab City Creek is assessed as having No Known Impacts; all evaluated uses are considered to be fully supported.

### Use Assessment

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. Additional sampling is also needed to more fully evaluate other recreational use.

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 Slab City Creek in South Dayton (at Cottage Road) was conducted as part of the RIBS biological screening effort in 2011. Sampling results indicated non-impacted conditions. Such samples are dominated by clean-water species and are unaltered from a natural community with minimal human impacts. Aquatic life community is fully supported. (DEC/DOW, BWAM/SBU, December 2014)

#### Source Assessment

There are no apparent sources of pollutants to the waterbody.

#### Management Action

No specific management actions have been identified or are deemed necessary for the waterbody.

#### Section 303(d) Listing

Slab City Creek is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters. (DEC/DOW, BWAM/WQAS, January 2009)

#### 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 Johnson Creek (-2), are also Class C,C(T).

# New Albion Lake/Reservoir (0202-0080)

# Minor Impacts

## Waterbody Location Information

Revised: 02/26/2014

<b>Water Index No:</b>	Pa-63-P148a	<b>Drain Basin:</b>	Allegheny River
<b>Unit Code:</b>	0501000201	<b>Class:</b>	C(T)
<b>Water Type/Size:</b>	Lake		46.3 Acres
<b>Description:</b>	entire lake		
		<b>Reg/County:</b>	9/Cattaraugus Co. ( 5)

## Water Quality Problem/Issue Information

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

**Conditions Evaluated**

Habitat/Hydrology	Fair
Aesthetics	Unassessed

### Type of Pollutant(s)

Known: ALGAL/PLANT GROWTH (native), NUTRIENTS (Phosphorus)  
Suspected: Aquatic Invasive Species, Harmful Algal Blooms,  
Unconfirmed: - - -

### Source(s) of Pollutant(s)

Known: - - -  
Suspected: AGRICULTURE, ONSITE/SEPTIC SYSTEMS, Habitat Alteration  
Unconfirmed: - - -

## Management Information

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

## Further Details

### Overview

New Albion Lake is assessed as having minor impacts due to recreation use and aquatic life that are thought to be stressed by nutrient levels and algal plant growth. Due to the shallow lake depth, summer water temperatures are typically too high to support stocked trout and it is likely that the lake never supported a year round trout population.

### Use Assessments

This waterbody is designated class C(T), suitable for general recreational use and aquatic life support (including trout survival), but not as a water supply or for public bathing.

Recreational uses are evaluated as stressed (suspected), but supported. The lake supports a healthy warmwater fishery, however summer water temperatures are typically above the suitable range for trout survival and there is little holdover of trout stocked in the spring. (DEC/DFWMR, January 2015)

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

New Albion Lake has been sampled as part of the Lake Classification and Inventory (LCI) survey in 2011 and 2012. Results from this sampling indicate that the lake is best characterized as eutrophic, or highly productive. Phosphorus levels in the lake typically fall in the range at or slightly above the applicable criteria suggesting the impairment of some recreational use. However chlorophyll a levels and water clarity measures typically meet criteria associated with recreational impairment, but indicative of moderate to high algae levels. Dissolved oxygen and pH readings were within state water quality standards for protection of aquatic life; however, summer water temperature was above the suitable range for trout survival. Invasive aquatic plant growth in the lake stresses the habitat/hydrology and aesthetic condition of the lake and may discourage recreational uses of the lake. (DEC/DOW, BWAM/LCI, March 2014)

#### Source Assessment

The specific sources of phosphorus to New Albion Lake have not been identified. Potential sources include residential onsite wastewater treatment (septic) systems, and nonpoint source runoff from agricultural activities, groundwater transport, and stormwater runoff. (DEC/DOW, LMAS, March 2014).

#### Management Actions

No specific management actions have been identified for the waterbody. New Albion Lake was created in the 1980s as a flood control reservoir for the Conewango Creek Watershed Protection District. DEC provides a hand launch access site for cartop boats and canoes on the northeast shoreline. Boats are limited to the use of electric motors only. (DEC/DFWMR, Region 9, March 2014)

A range of best management practices and other recommendations to restore and protect water quality in New York State lakes are outlined in the NYSDEC manual Diet for a Small Lake (NYSDEC/NYSFOLA, 2009)

#### Section 303(d) List Information

New Albion Lakes is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters. (DEC/DOW, BWAM/WQAS, January 2009)

#### Segment Description

This segment includes the entire lake.