



## Angelica Creek Watershed (0413000204)

### Water Index Number

Ont 117-155  
Ont 117-155- 2  
Ont 117-155- 9

### Waterbody Segment

Angelica Creek and minor tribs (0403-0026)  
Baker Creek and tribs (0403-0066)  
Black Creek and tribs (0403-0067)

### Category

No KnownImpacts  
No Known Impacts  
Minor Impacts

# Angelica Creek and minor tribs (0403-0026)

# No Known Impacts

## Waterbody Location Information

Revised: 08/01/2016

**Water Index No:** Ont 117-155  
**Hydro Unit Code:** Angelica Creek (0413000204)  
**Water Type/Size:** River/Stream 49.1 Miles  
**Description:** entire stream and selected/smaller tribs

**Water Class:** C  
**Drainage Basin:** Genesee River  
**Reg/County:** 9/Allegany (2)

## 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	Good
Aesthetics	Unknown

**Type of Pollutant(s)** (CAPS indicate Major Pollutants/Sources that contribute to an Impaired/Precluded Uses)

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

Angelica Creek is assessed as having no known impacts; all evaluated uses are considered to be fully supported. Biological sampling results show non-impacted conditions with minimal anthropogenic impacts and with a community that has similarity to natural conditions.

### Use Assessment

Angelica 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 use.

Aquatic life is considered to be fully supported based on most recent 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 bacteriological sampling is also needed to more fully evaluate other recreational and swimming use. (DEC/DOW, BWAM/SBU, December 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

A biological (macroinvertebrate) assessment of Angelica Creek in Angelica (at Camp Road/Route 43) was conducted as part of the RIBS biological screening effort in 2014. Sampling results reflect 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. Aquatic life community is fully supported. This evaluation is somewhat improved in comparison with results from previous sampling at the site conducted in 2009. Aquatic life is fully supported and there are no other apparent water quality impacts. Assessment of the habitat condition found minimal if any anthropogenic influences. Sampling of two tribs to Angelica Creek in West Almond also reflected good water quality and full support of aquatic life. (DEC/DOW, BWAM/SBU, July 2014)

#### Source Assessment

There are no apparent sources of pollutants to the waterbody.

#### Management Actions

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

#### Section 303(d) Listing

Angelica Creek is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impacts/impairments that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, January 2016)

#### Segment Description

This segment includes the entire stream and selected/smaller tribs. The waters of the stream and tribs included in the segments are Class C. Baker Creek (-2) and Black Creek (-9) are listed separately.

# Baker Creek and tribs (0403-0066)

# No Known Impacts

## Waterbody Location Information

Revised: 10/8/2015

**Water Index No:** Ont 117-155- 2  
**Hydro Unit Code:** Angelica Creek (0413000204)  
**Water Type/Size:** River/Stream 43.7 Miles  
**Description:** entire stream and tribs

**Water Class:** C  
**Drainage Basin:** Genesee River  
**Reg/County:** 9/Allegany (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	Suspected
Fish Consumption	Fully Supported	Unconfirmed

### Conditions Evaluated

Habitat/Hydrology	Unknown
Aesthetics	Unknown

### Type of Pollutant(s)

(CAPS indicate Major Pollutants/Sources that contribute to an Impaired/Precluded Uses)

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

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

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

## Management Information

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

## Further Details

### Overview

Baker Creek is assessed as having no known impacts; all evaluated uses are considered to be fully supported. However, this assessment is based on older data and sampling to verify conditions is recommended.

### Use Assessment

Baker 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 good water quality. 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, February 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

A biological (macroinvertebrate) assessment of Baker Creek in Angelica (at Route 16) was conducted as part of the RIBS biological screening effort in 1999. Sampling results were field assessed as having slightly impacted conditions and good water quality. This field assessment was verified by laboratory-sorting to the order level. Aquatic life at that time was assessed as being fully supported, however due to the age of the data (more than 10 years old) additional sampling is recommended to verify current conditions. (DEC/DOW, BWAM/SBU, January 2015)

#### Source Assessment

Specific sources of pollutants to the waterbody have not been identified.

#### Management Actions

No specific management actions have been identified or are deemed necessary for the waterbody. Additional sampling to verify conditions in this waterbody segment is recommended.

#### Section 303(d) Listing

Baker Creek is not included on the current (2016) 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 2016)

#### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream and its tribs are Class C.

# Black Creek and tribs (0403-0067)

# Minor Impacts

## Waterbody Location Information

Revised: 10/8/2015

<b>Water Index No:</b>	Ont 117-155- 9	<b>Water Class:</b>	C
<b>Hydro Unit Code:</b>	Angelica Creek (0413000204)	<b>Drainage Basin:</b>	Genesee River
<b>Water Type/Size:</b>	River/Stream 80.6 Miles	<b>Reg/County:</b>	9/Allegany (2)
<b>Description:</b>	entire stream and tribs		

## Water Quality Problem/Issue Information

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

### Conditions Evaluated

Habitat/Hydrology	Good
Aesthetics	Unknown

### Type of Pollutant(s) (CAPS indicate Major Pollutants/Sources that contribute to an Impaired/Precluded Uses)

Known:	---
Suspected:	Unknown Pollutants (biological impacts)
Unconfirmed:	---

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

Known:	---
Suspected:	Agriculture, Unknown Source
Unconfirmed:	---

## Management Information

<b>Management Status:</b>	Verification of Source Needed
<b>Lead Agency/Office:</b>	DOW/BWAM
<b>IR/305(b) Code:</b>	Water Attaining All Standards (IR Category 1)

## Further Details

### Overview

Black Creek is assessed as having minor impacts due to aquatic life that is thought to be stressed. No specific pollutant or sources have been identified, but nonpoint nutrient contributions from agricultural activity is possible.

### Use Assessment

Black 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 use. A 3-mile portion of the stream is a Class C(T) state-stocked trout water.

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 may be minor impacts to recreational (fishing) uses, although more specific sampling is necessary to confirm this is the case. (DEC/DOW, BWAM, February 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

A biological (macroinvertebrate) assessment of Black Creek in Birdsall (at Dalton Road/Route 16) was conducted as part of the RIBS biological screening effort in 2009. Sampling results reflect fair to good water quality, with the macroinvertebrate community altered from what is expected under natural conditions and indications of nonpoint nutrient enrichment and possible pesticide 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. (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 source of nutrients to the waterbody is agricultural activities, though these sources should be verified. (DEC/DOW, BWAM/SBU, January 2015)

#### Management Actions

No specific management actions have been identified for the waterbody.

#### Section 303(d) Listing

Black Creek is not included on the current (2016) NYS Section 303(d) List of Impaired/TMDL Waters. There appear to be no impacts that would justify the listing of this waterbody. (DEC/DOW, BWAM/WQAS, January 2016)

#### Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C, except for a portion from one mile above the mouth to a point 4 miles above the mouth, which is Class C(T). Tribs to this reach are Class C.