



## Cherry Valley Creek Watershed (0205010102)

### Water Index Number

SR-195  
 SR-195  
 SR-195-21  
 SR-195-23-P376

### Waterbody Segment

Cherry Valley Creek, Lower and tribs (0601-0022)  
 Cherry Valley Creek, Upper and tribs (0601-0174)  
 Pleasant Brook and tribs (0601-0175)  
 Belvedere Lake (0601-0111)

### Category

NoKnownImpct  
 Minor Impacts  
 UnAssessed  
 UnAssessed

# Cherry Valley Creek, Lower and tribs ( 0601-0022)

NoKnownImpct

## Waterbody Location Information

Revised: 06/26/2009

**Water Index No:** SR-195  
**Hydro Unit Code:** 02050101/020      **Str Class:** C  
**Waterbody Type:** River (Low Flow)      **Drain Basin:** Susquehanna River  
**Waterbody Size:** 5.7 Miles      **Reg/County:** Upper Susquehanna  
**Seg Description:** stream and tribs from mouth to near Roseboom      **Quad Map:** 4/Otsego Co. (39)  
WESTFORD (K-21-2)

## 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

### Water Quality Sampling

A biological (macroinvertebrate) survey of Cherry Valley Creek at five sites between the mouth at the Susquehanna River and Cherry Valley was conducted in 2007. Sampling results indicated non-impacted to slightly impacted water quality conditions, with most sites showing some influences from nonpoint sources and nutrient loadings. This survey included three sampling sites within this reach; these sites were located above Milford (at Route 35), in Westville (at Route 43) and in Middlefield (at Route 35). Macroinvertebrate sampling results at the sites indicated non-impacted conditions at the most upstream of these sites, and slightly impacted conditions at the two sites farther downstream, though conditions at these two sites were close to the range of non-impacted. However when concurrent fish community assessments are factored in, all three sites were determined to be non-impacted. The improvement in water quality from upstream to downstream can be attributed to increasing distance from the Village of Cherry Valley (where inadequate on-site septic systems are thought to be the cause of impacts), increasing forest cover and additional flow from adjoining tributaries. (Cherry Valley Creek Biological Assessment Report, DEC/DOW, BWAM/SBU, July 2008)

### Segment Description

This segment includes the portion of the stream and all tribs from the mouth to Pleasant Valley Brook (-21) near Roseboom. The waters of this portion of the stream are Class C,C(T). Tribs to this reach/segment, including O'Connell

Creek (-12) and Shellrock Creek (-17), are also/primarily Class C,C(T). Pleasant Valley Brook (-21) and Upper Cherry Valley Creek are listed separately.

# Cherry Valley Creek, Upper and tribs ( 0601-0174)

MinorImpacts

## Waterbody Location Information

Revised: 09/11/2009

**Water Index No:** SR-195  
**Hydro Unit Code:** 02050101/020      **Str Class:** C(T)  
**Waterbody Type:** River  
**Waterbody Size:** 53.0 Miles  
**Seg Description:** stream and tribs above Roseboom

**Drain Basin:** Susquehanna River  
Upper Susquehanna  
**Reg/County:** 4/Otsego Co. (39)  
**Quad Map:** ()

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

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Known

### Type of Pollutant(s)

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

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

Known: ON-SITE/SEPTIC SYST (Cherry Valley (v))  
Suspected: Agriculture  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** 2 (Strategy Exists, Needs Funding/Resources)  
**Verification Status:** 5 (Management Strategy has been Developed)  
**Lead Agency/Office:** DOW/Reg4  
**TMDL/303d Status:** n/a

**Resolution Potential:** Medium

## Further Details

### Overview

Aquatic life support and recreational uses in this portion of Cherry Valley Creek are known to experience minor impacts believed to be from inadequate on-site wastewater (septic) systems in the Village of Cherry Valley. Other nonpoint sources contributing to nutrient enrichment in the stream are also a concern.

### Water Quality Sampling

A biological (macroinvertebrate) survey of Cherry Valley Creek at five sites between the mouth at the Susquehanna River and Cherry Valley was conducted in 2007. Sampling results indicated non-impacted to slightly impacted water quality conditions, with most sites showing some influences from nonpoint sources and nutrient loadings. This survey included two sampling sites within this reach; these sites were located above Roseboom (at Route 166) and below Cherry Valley (at Route 166). Macroinvertebrate sampling results at the Cherry Valley site indicated slightly impacted conditions; farther downstream at the Roseboom site conditions were assessed as non-impacted. When concurrent fish community assessments are factored in, both sites were determined to be slightly impacted. Influences from nonpoint sources were in evidence at both sites as well. Without sampling results from a location above the village (no suitable site was found during this survey), it is difficult to determine if the impacts noted are wholly attributable to development in the village. The rebound in water quality as one moves downstream and lack of other obvious sources suggest the village is a

significant source, but additional sampling is recommended to confirm the source of impacts. (Cherry Valley Creek Biological Assessment Report, DEC/DOW, BWAM/SBU, July 2008)

A biological assessment of Cherry Valley Creek at the site above Roseboom was conducted as part of the RIBS biological screening effort in 2003. Sampling results indicated slightly impacted conditions. In such samples the community is slightly altered from natural conditions. Some sensitive species are not present and the overall abundance of macroinvertebrates is lower. However, the effects on the fauna appear to be limited and water quality is considered to be satisfactory. The nutrient biotic index and impact source determination indicate some enrichment in the stream and fauna that is most similar to communities influenced by nonpoint sources. In spite of these minor impacts, aquatic life support is considered to be fully supported in the stream. (DEC/DOW, BWAM/SBU, January 2009)

#### Watershed Management

In the unsewered community of Cherry Valley inadequate residential and commercial on-site wastewater treatment systems result in the discharge of untreated or poorly treated wastewater. Some of the discharge is thought to be conveyed to the stream via storm sewers. Discussions regarding the construction of a municipal wastewater treatment plant are ongoing, but adequate funding to address the problems with a collection system or treatment plant has not been identified. Individual discharges are currently being addressed on a case-by-case basis by NYSDEC and health department staff. (DEC/DOW, Region 4, September 2009)

#### Segment Description

This segment includes the portion of the stream and all tribs above Pleasant Valley Brook (-21) near Roseboom. The waters of this portion of the stream are Class C,C(T). Tribs to this reach/segment are also/primarily Class C,C(T). Pleasant Valley Creek (-21) and Lower Cherry Valley Brook are listed separately.