

# Ocquionis Creek and tribs ( 0601-0034)

# MinorImpacts

## Waterbody Location Information

Revised: 07/10/2009

**Water Index No:** SR-204-P392- 5  
**Hydro Unit Code:** 02050101/010      **Str Class:** C(T)  
**Waterbody Type:** River (Low Flow)  
**Waterbody Size:** 2.3 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Susquehanna River  
Upper Susquehanna  
**Reg/County:** 4/Otsego Co. (39)  
**Quad Map:** RICHFIELD SPRINGS (J-21-4)

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

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

### Type of Pollutant(s)

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

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

Known: ---  
Suspected: AGRICULTURE, Urban/Storm Runoff  
Possible: ---

## Resolution/Management Information

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

**Resolution Potential:** Medium

## Further Details

### Overview

Aquatic life support and recreational uses in Ocquionis Creek are known to experience minor impacts due to nutrient enrichment from agricultural and other nonpoint sources.

### Water Quality Sampling

A biological (macroinvertebrate) assessment of Ocquionis Creek in Richfield Springs was conducted as part of the RIBS biological screening effort in 1997. Sampling results indicated slightly impacted conditions. In such samples some replacement of sensitive ubiquitous species by more tolerant species occurs, although the sample also includes a balanced distribution of all expected species. Aquatic life is considered to be fully supported in the stream, however the community composition and nutrient biotic evaluation suggest conditions and levels of enrichment are sufficient to cause some stress to aquatic life. Impact source determination found the fauna is most similar to communities influenced by nonpoint sources and toxicity. Considerable urban debris was also noted at the site. (DEC/DOW, BWAR/SBU, June 2009)

#### Previous Assessment

Impacts from ammonia, residual chlorine and other pollutants attributed to the Richfield Springs WWTP discharge noted in earlier assessments have been addressed by the upgrading of the plant in 1995. (DEC/DOW, Region 4, January 2001)

#### 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 also/primarily Class C,C(T),C(TS).