



## Black Creek Watershed (0202000301)

### Water Index Number

H-301-20  
H-301-20- 1  
H-301-20- 7-1-P85  
H-301-20- 7-6-1-1a-P85a  
H-301-20- 8-P86  
H-301-20-11-P87  
H-301-20-P87a

### Waterbody Segment

Black Creek and minor tribs (1103-0017)  
White Creek and tribs (1103-0004)  
Barkley Pond (1103-0018)  
Halls Pond (1103-0019)  
Scott Lake (1103-0020)  
Smith Pond (1103-0021)  
Chamberlin Mills Pond (1103-0022)

### Category

NoKnownImpct  
NoKnownImpct  
UnAssessed  
UnAssessed  
UnAssessed  
UnAssessed  
UnAssessed

# Black Creek and minor tribs (1103-0017)

NoKnownImpct

## Waterbody Location Information

Revised: 07/06/2005

**Water Index No:** H-301-20  
**Hydro Unit Code:** 02020003/080      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 98.5 Miles  
**Seg Description:** entire stream and selected/smaller tribs

**Drain Basin:** Upper Hudson River  
**Reg/County:** 5/Washington Co. (58)  
**Quad Map:** COSSAYUNA (I-27-1)

## 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  
**TMDL/303d Status:** n/a ( )

**Resolution Potential:**

## Further Details

A biological (macroinvertebrate) assessment of Black Creek in Fitch Point (at Cemetery Road) was conducted in 2001. Sampling results indicated slightly impacted water quality conditions. Nonpoint source nutrient enrichment was identified as the primary stressor. This site was assessed as non-impacted in a 1999 sampling. Despite this decline, aquatic life is considered to be fully supported in the stream, and there are no other apparent water quality impacts to designated uses. (DEC/DOW, BWAR/SBU, June 2005)

This segment includes the entire stream and selected/smaller tribs. The waters of the stream are Class C. Tribs to this reach/segment, including West Beaver Brook (-3) and West Branch Black Creek, are Class C,C(T),C(TS). White Creek (-1) and larger lakes in the watershed are listed separately.

# White Creek and tribs (1103-0004)

NoKnownImpct

## Waterbody Location Information

Revised: 07/06/2005

**Water Index No:** H-301-20- 1  
**Hydro Unit Code:** 02020003/070      **Str Class:** C\*  
**Waterbody Type:** River  
**Waterbody Size:** 45.8 Miles  
**Seg Description:** entire stream and tribs

**Drain Basin:** Upper Hudson River  
**Reg/County:** 5/Washington Co. (58)  
**Quad Map:** SALEM (I-27-2)

## 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  
**TMDL/303d Status:** n/a ( )

**Resolution Potential:**

## Further Details

NYSDEC Rotating Integrated Basin Studies (RIBS) monitoring of White Creek in Salem/Greenwich (Hanks Road) was conducted in 2001 and 2002. Biological screening in 2001 found water quality to be non-impacted, with fauna that contained many species of clean-water mayflies, stoneflies, and caddisflies. Community assessment conducted as part of Intensive Network sampling in 2002 revealed water quality to be slightly impacted, with nutrient enrichment indicated as a primary stressor. The surrounding land is highly agricultural. Water column sampling revealed no parameters of concern. Macroinvertebrate tissue samples analyzed for pesticides, PCBs, and PAHs showed no contaminants to be above levels of concern. Based on sediment quality guidelines developed for freshwater ecosystems, overall sediment quality is not likely to cause chronic toxicity to sediment-dwelling organisms. Chronic toxicity testing using water from this location showed no significant mortality or reproductive effects on the test organism. Based on the consensus of these established assessment methods, overall aquatic life support is considered to be fully supported in the river despite minor effects on the fauna and there are no other apparent water quality impacts. (DEC/DOW, BWAR/RIBS, January 2005)

A previous biological assessment of White Creek in Salem (at Hanks Road) was conducted in 1999. Sampling results indicated non-impacted water quality conditions. The fauna contained many species of clean-water mayflies, stoneflies, and caddisflies. An intensive study of White Creek by Hudson Basin River Watch in 2001 found elevated

levels of nitrogen and fecal coliforms at most sites. These results are likely the result of agricultural activity in the watershed and are not known to be causing violations of water quality standards and/or impairment to uses in the stream. (DEC/DOW, BWAR/SBU, June 2005)

This segment includes the entire stream and all tribs. The waters of the stream are Class C(T). Tribs to this reach/segment, including Blind Buck Stream (-1), Beaver Brook (-2) and Buttermilk Falls Brook (-3), are primarily Class C,C(T),C(TS); portions of Blind Buck Stream (-1) are Class B,B(T).