

Moodna Creek, Lower, and minor tribs (1303-0010) No Known Impacts

Waterbody Location Information

Revised: 04/01/2016

Water Index No: H- 89 **Water Class:** C
Hydro Unit Code: Moodna Creek (0202000804) **Drainage Basin:** Lower Hudson River
Water Type/Size: River/Stream 25.3 Miles **Reg/County:** 3/Orange (36)
Description: stream and select tribs, from mouth to Mountainville

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Pollutants/Sources)

Uses Evaluated	Severity	Confidence
Water Supply	Unassessed	-
Public Bathing	Unassessed	-
Recreation	Unassessed	-
Aquatic Life	Fully Supported	Known
Fish Consumption	Unassessed	-
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: Assessment/Reassessment Scheduled
Lead Agency/Office: DOW/BWAM
IR/305(b) Code: Water Attaining All Standards (IR Category 1)

Further Details

Overview

This portion of Moodna Creek is assessed as having no known impacts, based on the evaluation that aquatic life is fully supported. There is some limited sampling of a trib showing elevated levels of pathogens, but this impact needs to be verified.

Use Assessment

This waterbody segment 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.

Water Quality Information

A biological (macroinvertebrate) survey of Moodna Creek at multiple sites between the mouth at Cornwall and Washingtonville was conducted in 2004. Sampling results indicated non-impacted to slightly impacted water quality conditions. Two of the three sites located in this reach reflected non-impacts water quality. Nonpoint source nutrient enrichment was indicated as the primary source at all sites on the stream. Possible sewage inputs were suggested at the downstream sites. Nutrient biotic evaluation determined the effects on the fauna to be minor. Aquatic life support is considered to be fully supported in the stream, and there are no other apparent water quality impacts to designated uses. (DEC/DOW, BWAM/SBU, June 2005)

Bacteriological sampling for enterococcus in a trib has been conducted by the Quassaick Creek Watershed Alliance, in partnership with Riverkeeper. The Alliance submitted 2014 and 2015 data showing exceedences of the EPA recommended entero criteria for support of recreational uses. Although NYSDEC is considering the use of entero (or E-coli) criteria to replace the current coliform standards, it has not yet adopted these criteria as water quality standards. It is also not certain that limited number of samples collected are representative of conditions in the larger waterbody. Additional sampling to more fully evaluate conditions in this waterbody is recommended for the next NYSDEC RIBS monitoring effort in the Lower Hudson River Basin in 2017-18. (DEC/DOW, BWAM, April 2016)

Source Assessment

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

Management Actions

No specific management actions have been identified for the waterbody. Followup sampling to verify support of recreational uses is recommended.

Section 303(d) Listing

This trib waterbody is not included on the current (2014) NYS Section 303(d) List of Impaired/TMDL Waters. There are no impacts/impairments that would justify the listing of the waterbody at this time. The waterbody was suggested and considered for listing during development of the the 2016 List. However, although enterococcus levels were found to be elevated, NYSDEC has not adopted an entero standard for general recreation use. Therefore it is not appropriate to list the waterbody at this time. (DEC/DOW, BWAM, April 2016)

Segment Description

This segment includes the portion of the stream and all tribs from the mouth to Woodbury Creek (-7) in Mountainville. The waters of this portion of the stream are Class C. Tribs to this reach/segment, including Silver Stream (-2), are Class C. Woodbury Creek and Upper Moodna Creek are listed separately.

reach/segment, including Mineral Spring Brook (-4), are also Class C,C(TS).

Walton Lake (1303-0004)

Need Verific

Waterbody Location Information

Revised: 07/11/2008

Water Index No:	H- 89-19-10-P257	Drain Basin:	Lower Hudson River
Hydro Unit Code:	02020008/090	Str Class:	A
Waterbody Type:	Lake	Reg/County:	3/Orange Co. (36)
Waterbody Size:	117.7 Acres	Quad Map:	MONROE (P-24-4)
Seg Description:	entire lake		

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

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Possible

Type of Pollutant(s)

Known: ---
Suspected: ALGAL/WEED GROWTH (aquatic vegetation)
Possible: Nutrients, Salts

Source(s) of Pollutant(s)

Known: ---
Suspected: ON-SITE/SEPTIC SYST, Urban/Storm Runoff
Possible: Deicing (stor/appl)

Resolution/Management Information

Issue Resolvability:	1 (Needs Verification/Study (see STATUS))	
Verification Status:	1 (Waterbody Nominated, Problem Not Verified)	
Lead Agency/Office:	DOW/BWAM	Resolution Potential: Medium
TMDL/303d Status:	n/a	

Further Details

Overview

Recreational uses in Walton Lake may experience minor impacts/threats due to excessive aquatic vegetation and/or algal growth. This assessment is based on previously reported concerns and conditions in the lake need to be verified.

Source (Drinking) Water Assessment The NYSDOH Source Waters Assessment

Program (SWAP) compiles, organizes, and evaluates information regarding possible and actual threats to the quality of public water supply sources. This information - which is contained in SWAP assessment reports - assists in the oversight and protection of public water systems. It is important to note that SWAP assessments evaluate the potential for untreated drinking water sources to be impacted by contamination. These assessments do not address the safety or quality of treated finished potable tap water. Drinking water supplies taken from this waterbody include the Village of Chester. This assessment found no noteworthy risks to source water quality. (NYSDOH, Source Water Assessment Program, 2005)

Previous Assessment

Concerns that recreational uses and aesthetics in Walton Lake may be restricted by excessive aquatic vegetation were previously reported. Suspected sources of nutrients feeding the lake include inadequate and/or failing on-site septic systems serving residences along the lake and lawn chemical/fertilizer usage. Urban runoff and road salt/sanding activity may also influence water quality in the lake. Grass carp were introduced to control aquatic vegetation growth

in the lake. However the lake has been stocked with trout and it is noted as a satisfactory large mouth bass fishery. (Orange County WQCC and DEC/Reg 3, FWMR, 1996)

would yield significant conservation benefits. (MCA/WCS, 2005)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment, including Black Meadow Creek (above trib. 20 of Otter Kill is named Black Meadow Creek), are primarily Class C; with small portions of tribs designated Class A.