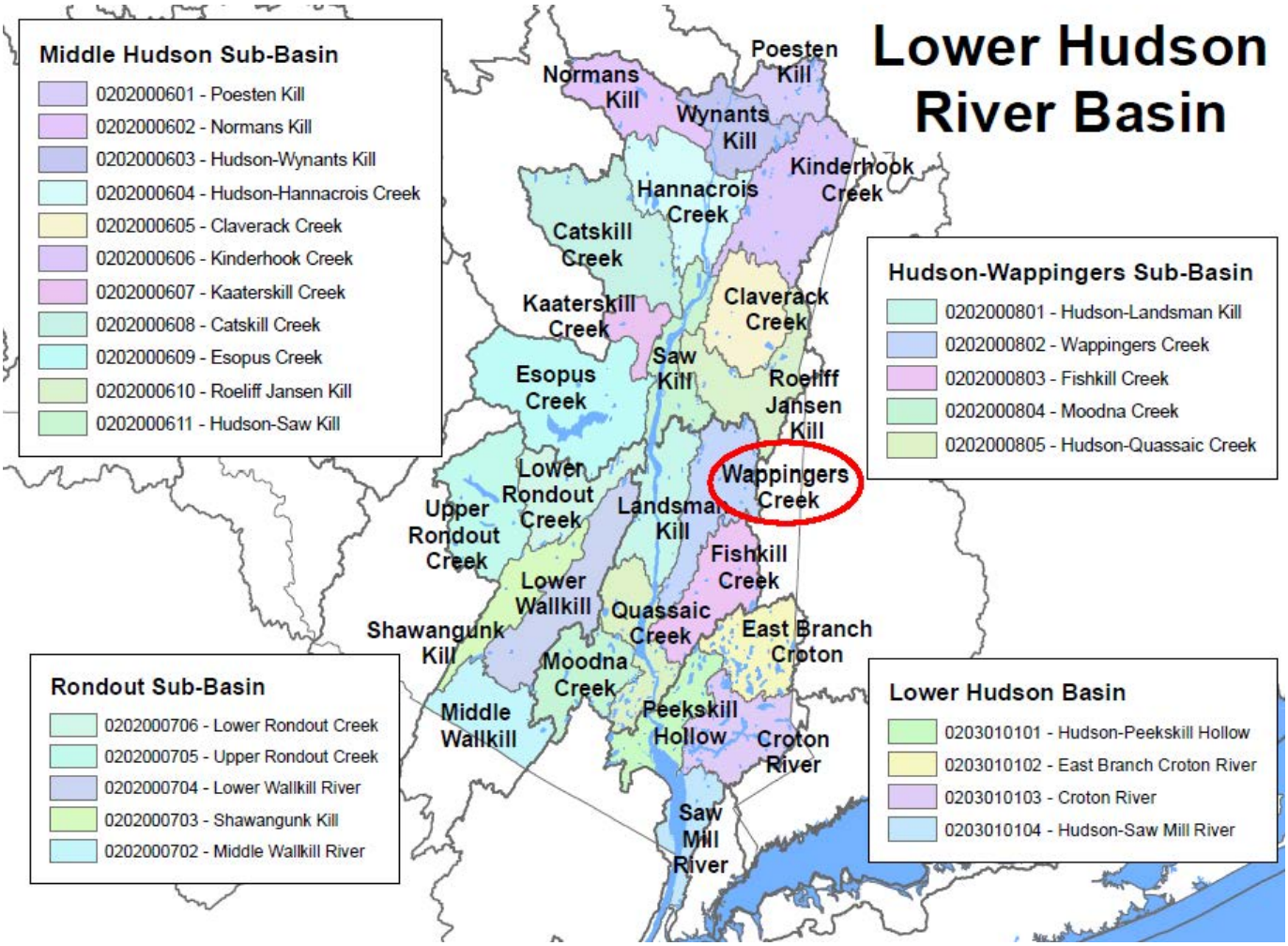

Wappingers Creek
(0202000802)

Water Index Number	Waterbody Name	Waterbody Category
H-101 (portion 1)	Wappingers Cr, Lower, and minor tribs (1305-0012)	UnAssessed
H-101 (portion 2)/P365	Wappingers Lake (1305-0001)	**Impaired Seg**
H-101 (portion 3)	Wappingers Cr, Middle, and minor tribs (1305-0013)	**Need Verific**
H-101 (portion 4)	Wappingers Cr, Middle, and minor tribs (1305-0014)	**NoKnownImpct**
H-101 (portion 5)	Wappingers Cr, Upper, and tribs (1305-0011)	**NoKnownImpct**
H-101- 1- 1a	Unnamed Trib to Hughsonville Cr (1305-0015)	UnAssessed
H-101- 4	Unnamed Trib to Wappingers Cr and tribs (1305-0016)	UnAssessed
H-101- 4- 2- 1-P366b	Lake Oniad (1305-0017)	UnAssessed
H-101-11	Unnamed Trib to Wappingers Cr and tribs(1305-0018)	UnAssessed
H-101-12	Great Spring Brook and tribs (1305-0030)	**NoKnownImpct**
H-101-18	Little Wappingers Cr, Lower, and tribs (1305-0019)	**NoKnownImpct**
H-101-18	Little Wappingers Cr, Upper, and tribs (1305-0020)	UnAssessed
H-101-18-11-P375	Long Pond (1305-0003)	**Need Verific**
H-101-18-13-P378	Silver Lake (1305-0002)	**Need Verific**
H-101-18-13-P378- 1-P379	Mud Pond (1305-0021)	UnAssessed
H-101-20-P384	Upton Lake (1305-0005)	**Need Verific**

H-101-21	East Br Wappingers Cr, Lower, and tribs (1305-0022)	UnAssessed
H-101-21	East Br Wappingers Cr, Upper, and tribs (1305-0023)	UnAssessed
H-101-21- 7-P395	Round Pond (1305-0024)	UnAssessed
H-101-21-P390	Dieterich Pond (1305-0025)	UnAssessed
H-101-21-P396	Shaw Pond (1305-0026)	UnAssessed
H-101-30..P401,P403	Ryder Pond, Hunns Lake (1305-0004)	**Need Verific**
H-101-31- 4- 2-P405	Miller Pond (1305-0027)	UnAssessed
H-101-38-P407	Halcyon Pond (1305-0028)	UnAssessed
H-101-P408,P409,P410	Thompson, Stissing, Mud/Twin Isl Ponds(1305-0010)	**Need Verific**

Wappingers Lake (1305-0001) Impaired Seg

Waterbody Location Information

Revised: 07/11/2008

Water Index No: H-101 (portion 2)/P365
Hydro Unit Code: 02020008/060 **Str Class:** B
Waterbody Type: Lake
Waterbody Size: 80.2 Acres
Seg Description: entire lake

Drain Basin: Lower Hudson River
Low Hudson-Wappinger
Reg/County: 3/Dutchess Co. (14)
Quad Map: WAPPINGERS FALLS (O-25-4)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
PUBLIC BATHING	Impaired	Known
Aquatic Life	Stressed	Possible
RECREATION	Impaired	Known
Aesthetics	Stressed	Known

Type of Pollutant(s)

Known: NUTRIENTS (phosphorus), Algal/Weed Growth (aquatic vegetation)
Suspected: SILT/SEDIMENT
Possible: Pathogens

Source(s) of Pollutant(s)

Known: - - -
Suspected: URBAN/STORM RUNOFF, Agriculture, Construction (resident.develop.), Hydro Modification
Possible: Streambank Erosion, Other Sanitary Disch

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DOW/Reg3 **Resolution Potential:** Medium
TMDL/303d Status: 3a->1

Further Details

Overview
Public bathing and other recreational uses in Wappingers Lake are impaired by nutrient (phosphorus) and silt/sediment loadings attributed to urban runoff and other nonpoint sources.

Water Quality Sampling
Wappingers Lake was sampled as part of the NYSDEC Lake Classification and Inventory (LCI) Program in 2003. Results of this sampling indicate that the lake is best characterized as eutrophic, or highly productive. Average phosphorus levels (60 ug/l) in the lake easily exceed the state guidance values indicating impacted/stressed recreational uses (20 ug/l). Corresponding transparency measurements also fail to meet what is the recommended minimum for swimming beaches. Upstream tributaries transport considerable silt and sediment to the lake. Urban/stormwater runoff in this highly developed urban/suburban watershed are thought to be a significant source of nutrient and silt/sediment loadings. Some of the remaining agriculture operations in the watershed may also contribute to the water quality impacts on the lake. (DEC/DOW, BWAM/SWQM, October 2005)
Lake Uses
This lake waterbody is designated class B, suitable for use as a public bathing beach, general recreation and aquatic life

support, but not as a water supply. Water quality monitoring by NYSDEC focuses primarily on support of general recreation and aquatic life. Samples to evaluate the bacteriological condition and bathing use of the lake or to evaluate contamination from organic compounds, metals or other inorganic pollutants have not been collected as part of the CSLAP monitoring program. Monitoring to assess potable water supply and public bathing use is generally the responsibility of state and/or local health departments.

Section 303(d) Listing

Wappingers Lake is included on the NYS 2008 Section 303(d) List of Impaired Waters due to phosphorus and silt/sediment. The lake is included on Part 3 of the List as an Impaired Water for which TMDL Development May be Deferred due to the need to verify the impairment, the pollutant, or pending implementation/evaluation of other restoration measures. However this updated assessment suggests that the suspected impairments are confirmed and the lake be moved to Part 1 of the List as Waterbody Requiring TMDL Development (or other strategy to attain water quality standards). This waterbody was first listed on the 1996 Section 303(d) List for phosphorus and in 2002 for silt/sediment.

Wappingers Cr, Middle, and minor tribs (1305-0013) Need Verific

Waterbody Location Information

Revised: 06/05/2008

Water Index No: H-101 (portion 3) **Drain Basin:** Lower Hudson River
Hydro Unit Code: **Str Class:** B(T)
Waterbody Type: River **Reg/County:** 3/Dutchess Co. (14)
Waterbody Size: 42.7 Miles **Quad Map:** PLEASANT VALLEY (O-25-2)
Seg Description: stream and select tribs, fr Wapp.Falls to Pleasnt.Vall.

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: PATHOGENS, Metals
Possible: - - -

Source(s) of Pollutant(s)
Known: - - -
Suspected: Tox/Contam. Sediment
Possible: UNKNOWN SOURCE, On-Site/Septic Syst

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 1 (Waterbody Nominated, Problem Not Verified)
Lead Agency/Office: DOW/Reg3 **Resolution Potential:** Medium
TMDL/303d Status: n/a

Further Details

Overview
Recreational uses in this portion of Wappingers Creek may experience impacts due to elevated pathogen levels from as yet unidentified sources. Slightly elevated levels of some metals in sediments have also been noted.

Water Quality Sampling
NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Wappingers Creek in Poughkeepsie, Dutchess County, (at Jackson Road) was conducted in 2003. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity evaluation. During this sampling the biological (macroinvertebrate) sampling results indicated non-impacted water quality conditions. Water column sampling revealed iron and coliform to be parameters of concern. However, iron can be considered to be naturally occurring and not a source of water quality impacts. Bottom sediment sampling results revealed various metals (copper, nickel, zinc) to be exceeding the Threshold Effects level - levels at which adverse impacts occasionally occur. Toxicity testing of the water column showed significant mortality and reproductive impacts in one of three test. Based on the consensus of these established assessment methods, overall water quality at this site is thought to experience impacts to uses that need further investigation. (DEC/DOW, BWAM/RIBS, January 2005)

A biological (macroinvertebrate) assessment of Wappingers Creek at this site was also conducted in 2002 during the

Biological Screening effort in the basin. Sampling results also indicated non-impacted water quality conditions. The sampling was part of a biological (macroinvertebrate) survey of Wappingers Creek at multiple sites between Wappingers Falls and Stanfordville. Sampling results indicated non-impacted water quality conditions at most sites. Excellent water quality was noted at four of the five sites sampled, including the three sites within this reach. Water quality at the most upstream site in Stanfordville was assessed as slightly impacted, however nutrient biotic evaluation determined these 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. These condition represent an improvement from previous sampling which should most sites to be slightly impacted. (DEC/DOW, BWAM/SBU, June 2005)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs from Wappingers Lake (P365) in Wappingers Falls to unnamed trib (-11) in Pleasant Valley. The waters of this portion of the stream are Class B,B(T). Tribs to this reach/segment are Class B,B(T),C,C(T). An unnamed trib (-4) near New Hackensack and other portions of Wappingers Creek are listed separately.

Wappingers Cr, Middle, and minor tribs (1305-0014) NoKnownImpct

Waterbody Location Information

Revised: 02/20/2008

Water Index No: H-101 (portion 4) **Drain Basin:** Lower Hudson River
Hydro Unit Code: **Str Class:** B(T)
Waterbody Type: River **Reg/County:** 3/Dutchess Co. (14)
Waterbody Size: 91.8 Miles **Quad Map:** MILLBROOK (N-26-4)
Seg Description: stream and select tribs, fr Pleasnt Val to Stanfrdville

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 Wappingers Creek at multiple sites between Wappingers Falls and Stanfordville was conducted in 2002. Sampling results indicated non-impacted water quality conditions at most sites. Excellent water quality was noted at four of the five sites sampled, including two of three sites within (or representative of) this reach. Water quality at the most upstream site in Stanfordville was assessed as slightly impacted, however nutrient biotic evaluation determined these 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. These condition represent an improvement from previous sampling which should most sites to be slightly impacted. (DEC/DOW, BWAM/SBU, June 2005)

Segment Description
This segment includes the portion of the stream and selected/smaller tribs from to/including unnamed trib (-11) in Pleasant Valley to unnamed trib (-29) in Stanfordville. The waters of this portion of the stream are Class B(T),B(TS). Tribs to this reach/segment, including Clinton Corners Brook (-20) and Willow Brook (-27), are Class B,B(T),C,C(T),C(TS). Great Spring Brook (-12), Little Wappingers Creek (-18), East Branch (-21) and other portions of Wappingers Creek are listed separately.

Wappingers Cr, Upper, and tribs (1305-0011) NoKnownImpct

Waterbody Location Information

Revised: 02/20/2008

Water Index No: H-101 (portion 5)
Hydro Unit Code: 02020008/060 **Str Class:** C(TS)*
Waterbody Type: River
Waterbody Size: 81.5 Miles
Seg Description: stream and tribs, above Stanfordville

Drain Basin: Lower Hudson River
Low Hudson-Wappinger
Reg/County: 3/Dutchess Co. (14)
Quad Map: MILLBROOK (N-26-4)

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 Wappingers Creek at multiple sites between Wappingers Falls and Stanfordville was conducted in 2002. Sampling results indicated non-impacted water quality conditions at most sites. Excellent water quality was noted at four of the five sites sampled. The lone site within this reach (in Stanfordville) was assessed as slightly impacted by nonpoint sources of nutrient enrichment, however nutrient biotic evaluation determined these 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. These condition represent an improvement from previous sampling which should most sites to be slightly impacted. (DEC/DOW, BWAM/SBU, June 2005)

Previous Assessment
The recreational use (swimming), fishery and aesthetics in Hunns Lake Creek may be affected by agricultural runoff and streambank erosion. BMPs have been implemented on watershed croplands to address erosion and nutrient runoff. Continuing efforts by the county are focusing on the access of cattle to the stream itself. (Dutchess County WQCC, July 1999)

Segment Description

This segment includes the portion of the stream and selected/smaller tribs above unnamed trib (-29) in Stanfordville. The waters of this portion of the stream are Class C,C(TS). Tribs to this reach/segment, including Cold Spring Creek (-30), are Class B,B(T),B(TS),C,C(T),C(TS). Other portions of Wappingers Creek are listed separately.

Great Spring Brook and tribs (1305-0030) NoKnownImpct

Waterbody Location Information

Revised: 03/26/2008

Water Index No: H-101-12
Drain Basin: Lower Hudson River
Hydro Unit Code:
Str Class: B
Waterbody Type: River (Low Flow)
Reg/County: 3/Dutchess Co. (14)
Waterbody Size: 31.3 Miles
Quad Map: SALT POINT (N-25-3)
Seg Description: entire stream and tribs

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/assessment of Great Spring Brook near Pleasant Valley (at Route 73) was conducted in 2002. Sampling results indicated slightly impacted water quality conditions. Mayflies and stoneflies were noted in the sample, but the fauna was dominated by algal-feeding riffle beetles. Nonpoint source nutrient enrichment was identified as the primary cause of the impacts. However, nutrient biotic evaluation determined these 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)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream and Class B. Tribs to the stream are also Class B.

Little Wappingers Cr, Lower, and tribs (1305-0019) NoKnownImpct

Waterbody Location Information

Revised: 02/20/2008

Water Index No: H-101-18
Drain Basin: Lower Hudson River
Hydro Unit Code:
Str Class: B(T)
Waterbody Type: River
Reg/County: 3/Dutchess Co. (14)
Waterbody Size: 28.2 Miles
Quad Map: SALT POINT (N-25-3)
Seg Description: stream and tribs, mouth to Schultzville

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) assessment of Little Wappingers Creek near Salt Point (at Halstead Road) was conducted in 2002. Sampling results indicated non-impacted water quality conditions. The stream appeared sluggish and silty - less than ideal habitat - but the fauna was dominated by clean-water mayflies. (DEC/DOW, BWAM/SBU, December 2004)

Segment Description

This segment includes the portion of the stream and all tribs from the mouth to/including unnamed trib (-10) near Schultzville. The waters of this portion of the stream are Class B,B(T). Tribs to this reach/segment are primarily Class B; with some waters Class C. Upper Little Wappingers Creek is listed separately.

Long Pond (1305-0003) Need Verific

Waterbody Location Information

Revised: 07/11/2008

Water Index No: H-101-18-11-P375
Hydro Unit Code: 02020008/060 **Str Class:** AA
Waterbody Type: Lake
Waterbody Size: 81.9 Acres
Seg Description: entire lake

Drain Basin: Lower Hudson River
Low Hudson-Wappinger
Reg/County: 3/Dutchess Co. (14)
Quad Map: ROCK CITY (N-25-2)

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), Nutrients
Possible: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: ON-SITE/SEPTIC SYST, Urban/Storm Runoff
Possible: - - -

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 Long Pond 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.

Previous Assessment

Recreational uses (swimming, boating) and aesthetics in the lake were reported as being affected by excessive aquatic weed growth. Inadequate and/or failing on-site septic systems serving residences along the shore were the suspected source of nutrient loads that promote the growth of aquatic vegetation. (Dutchess County WQCC, 1999)

Silver Lake (1305-0002) Need Verific

Waterbody Location Information

Revised: 07/11/2008

Water Index No: H-101-18-13-P378
Hydro Unit Code: 02020008/060 **Str Class:** AA(T)
Waterbody Type: Lake
Waterbody Size: 110.7 Acres
Seg Description: entire lake

Drain Basin: Lower Hudson River
Low Hudson-Wappinger
Reg/County: 3/Dutchess Co. (14)
Quad Map: ROCK CITY (N-25-2)

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), Nutrients
Possible: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: ON-SITE/SEPTIC SYST
Possible: Urban/Storm Runoff

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 Silver 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.

Previous Assessment

Recreational uses (swimming, boating) and aesthetics in the lake were reported as being affected by excessive aquatic weed growth. Inadequate and/or failing on-site septic systems serving residences along the shore were the suspected source of nutrient loads that promote the growth of aquatic vegetation. (Dutchess County WQCC, 1999)

Upton Lake (1305-0005) Need Verific

Waterbody Location Information

Revised: 07/11/2008

Water Index No:	H-101-20-P384			**Drain Basin:**	Lower Hudson River
Hydro Unit Code:	02020008/060	**Str Class:**	B		Low Hudson-Wappinger
Waterbody Type:	Lake			**Reg/County:**	3/Dutchess Co. (14)
Waterbody Size:	45.5 Acres			**Quad Map:**	SALT POINT (N-25-3)
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), Nutrients
Possible: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: ON-SITE/SEPTIC SYST
Possible: Urban/Storm Runoff

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 Long Pond 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.

Previous Assessment
Recreational uses (swimming, boating) and aesthetics in the lake were reported as being affected by excessive aquatic weed growth. Inadequate and/or failing on-site septic systems serving residences along the shore were the suspected source of nutrient loads that promote the growth of aquatic vegetation. (Dutchess County WQCC, 1999)

Ryder Pond, Hunns Lake (1305-0004) Need Verific

Waterbody Location Information

Revised: 07/11/2008

Water Index No: H-101-30..P401,P403
Hydro Unit Code: 02020008/060 **Str Class:** B
Waterbody Type: Lake
Waterbody Size: 78.8 Acres
Seg Description: total area of both lakes

Drain Basin: Lower Hudson River
Low Hudson-Wappinger
Reg/County: 3/Dutchess Co. (14)
Quad Map: PINE PLAINS (N-26-1)

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), Nutrients
Possible: Silt/Sediment

Source(s) of Pollutant(s)

Known: - - -
Suspected: ON-SITE/SEPTIC SYST, Agriculture
Possible: - - -

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 Ryder Pond and Hunns 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.

Previous Assessment

Recreational uses (swimming, boating) and aesthetics in the lake were reported as being affected by excessive aquatic weed growth. Inadequate and/or failing on-site septic systems serving residences along the shore and runoff from agricultural activity in the watershed were the suspected source of nutrient loads that promote the growth of aquatic vegetation. (Dutchess County WQCC, 1999)

Thompson, Stissing, Mud/Twin Isl Ponds (1305-0010) Need Verific

Waterbody Location Information

Revised: 07/11/2008

Water Index No: H-101-P408,P409,P410
Hydro Unit Code: 02020008/060 **Str Class:** B
Waterbody Type: Lake
Waterbody Size: 204.4 Acres
Seg Description: total area of all three lakes

Drain Basin: Lower Hudson River
Low Hudson-Wappinger
Reg/County: 3/Dutchess Co. (14)
Quad Map: PINE PLAINS (N-26-1)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Possible
Recreation	Stressed	Possible

Type of Pollutant(s)

Known: - - -
Suspected: ALGAL/WEED GROWTH, Nutrients
Possible: Pathogens

Source(s) of Pollutant(s)

Known: - - -
Suspected: OTHER SOURCE (waterfowl)
Possible: Agriculture, Urban/Storm Runoff

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 Thompson, Stissing and Mud/Twin Island Ponds 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.

Previous Assessment

Recreational uses (swimming, boating) and aesthetics in the lake were reported as being affected by excessive aquatic weed growth. Waterfowl (geese, ducks) are the suspected source of nutrient loads that promote the growth of aquatic vegetation. (Dutchess County WQCC, 1996)