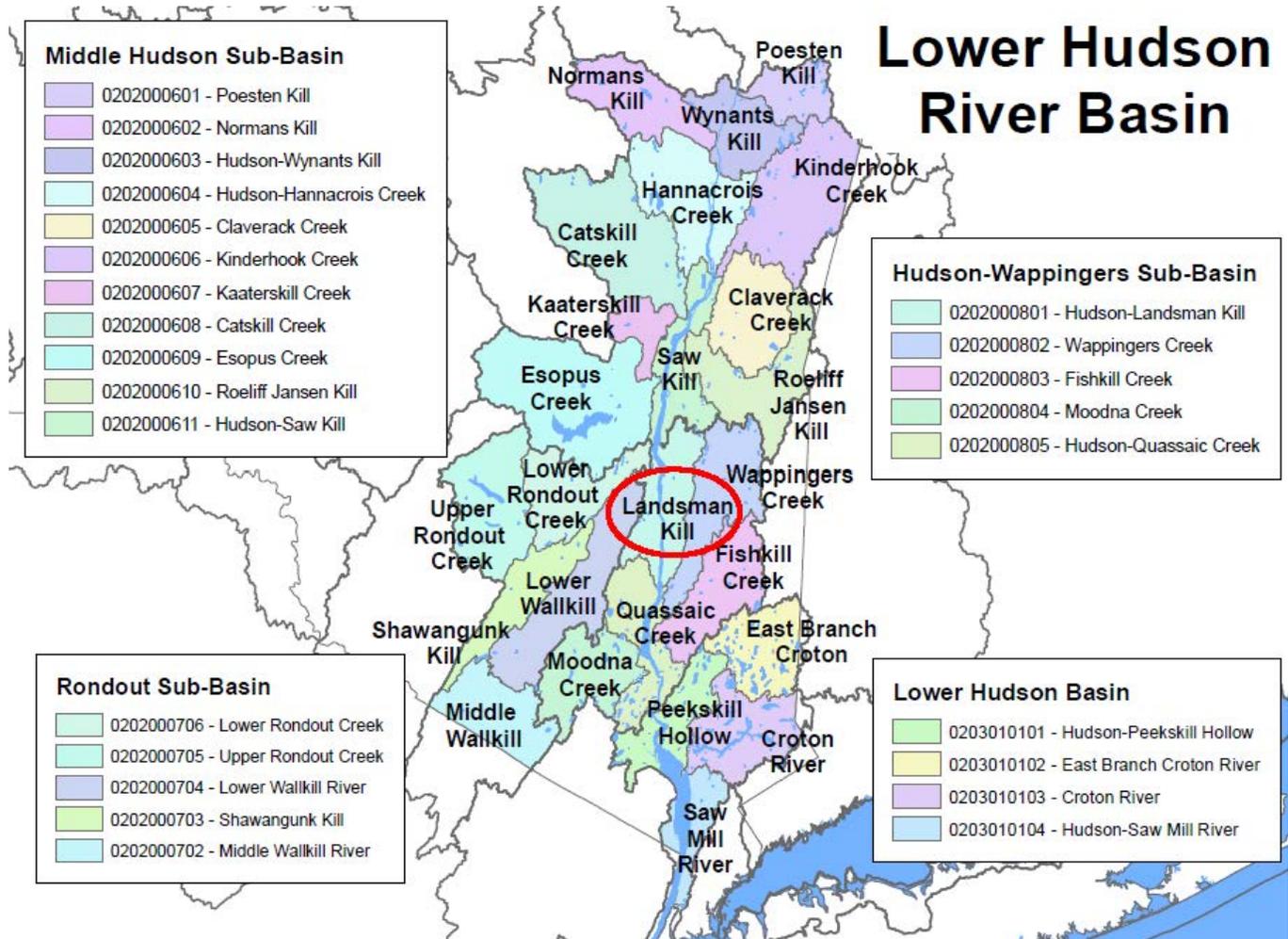


Lower Hudson River Basin



Landsman Kill Hudson River (0202000801)

Water Index Number	Waterbody Name	Category
H-103	Lattintown Creek and tribs (1301-0193)	NoKnownImpact
H-104 thru 125, WOH (selected)	Minor Tribs to West of Hudson(1301-0194)	UnAssessed
H-105	Casper Creek and tribs (1301-0195)	MinorImpacts
H-105-P415c	Cobalt Lake (1301-0196)	UnAssessed
H-105a thru 140, EOH (selected)	Minor Tribs to East of Hudson (1301-0197)	UnAssessed
H-114	Fall Kill and tribs (1301-0087)	Impaired Seg
H-114..P418	Morgan Lake (1301-0198)	UnAssessed
H-116	Twaalfskill Creek and tribs (1301-0199)	MinorImpacts
H-124	Crum Elbow Creek and tribs (1301-0200)	NoKnownImpact
H-124-P425,P426	Staatsburg Reservoir, Browns Pond(1301-0201)	UnAssessed
H-128	Black Creek, Lower, and tribs (1301-0202)	NoKnownImpact
H-128	Black Creek, Middle, and tribs (1301-0203)	UnAssessed
H-128	Black Creek, Upper, and tribs (1301-0204)	UnAssessed
H-128- 2-P433,P434	Mirror Lake, Esopus Lake (1301-0205)	UnAssessed
H-128- 4-P436	Lily Pond (1301-0206)	UnAssessed
H-128- 4-P436b	Marx Pond (1301-0207)	UnAssessed
H-128-P437	Chodikee Pond (1301-0208)	Impaired Seg
H-136	Landsman Kill and minor tribs (1301-0209)	MinorImpacts
H-136- 6	Rhinebeck Kill and tribs (1301-0210)	MinorImpacts
H-136-P446	Round Pond (1301-0211)	UnAssessed

Fall Kill and tribs (1301-0087)

Impaired Seg

Waterbody Location Information

Revised: 02/19/2008

Water Index No: H-114
Hydro Unit Code: 02020008/010 **Str Class:** C
Waterbody Type: River
Waterbody Size: 41.3 Miles
Seg Description: entire stream and tribs

Drain Basin: Lower Hudson River
Reg/County: 3/Dutchess Co. (14)
Quad Map: POUGHKEEPSIE (O-25-1)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Known
RECREATION	Impaired	Known
Aesthetics	Stressed	Known

Type of Pollutant(s)

Known: Aesthetics (debris/trash), Pathogens
Suspected: NUTRIENTS (phosphorus), D.O./Oxygen Demand, Silt/Sediment, Unknown Toxicity
Possible: - - -

Source(s) of Pollutant(s)

Known: URBAN/STORM RUNOFF
Suspected: MUNICIPAL, Industrial
Possible: 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
TMDL/303d Status: 3a (Waterbody Requiring Verification of Impairment)

Resolution Potential: Medium

Further Details

Overview

Aquatic life support and recreational uses in Fall Kill are impaired by nutrient enrichment, pathogens and various other pollutants attributed to municipal inputs and urban nonpoint sources.

Water Quality Sampling

A biological (macroinvertebrate) assessment of Fall Kill in Poughkeepsie (at Garden Street) was conducted in 2002. Sampling results indicated moderately impacted water quality conditions. These results were comparable to conditions found in 1997, 98 and 99. Previous biological sampling found that water quality degradation increases from slightly to moderately impacted as one moves downstream. In the upstream watershed, the sources of impact were determined to be primarily nonpoint. Farther downstream the community was consistent with residential/commercial development and golf course runoff. Near the mouth, municipal/industrial waste and urban runoff are the likely sources. Considerable trash and debris, typical of urban waterways, was also found in the stream during sampling. (DEC/DOW, BWAM/SBU, December 2004 and Fallkill Creek Biological Assessment Report, Bode et al, DEC/DOW BWAM, August 1998)

Previously Assessment

Segment Description

This segment includes the portion of the stream and all tribs from the mouth to Chodikes Pond. The waters of this portion of the stream are Class C from the mouth to unnamed trib (-2), Class A from there to unnamed trib (-3) and Class B for the remainder of the reach. Tribs to this reach/segment are primarily Class C; unnamed trib (-2) is Class B. Middle/Upper Black Creek are listed separately. Lower tidal portions of these tribs are included with the Hudson Main Stem.

The Dutchess County Health Department has collected data indicating several areas of high fecal coliform levels. These findings suggest failing and/or inadequate on-site septic systems. (Dutchess County DOH, 1996)

Section 303(d) Listing

Fallkill Creek is currently included on the NYS 2008 Section 303(d) List of Impaired Waters. The lake is included on Part 3a of the List as a Water Requiring Verification of Impairment, however this updated assessment suggests that the suspected impairments to water quality and uses are verified and it is recommended that this listing for phosphorus in the lake be moved to Part 1 of the List, indicating a waterbody with an impairment requiring TMDL development. It may be appropriate to add a listing for pathogens impairment as well, but current pathogen levels in the creek should first be verified. (DEC/DOW, BWAM/WQAS, May 2008)

Segment Description

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment are also Class C.