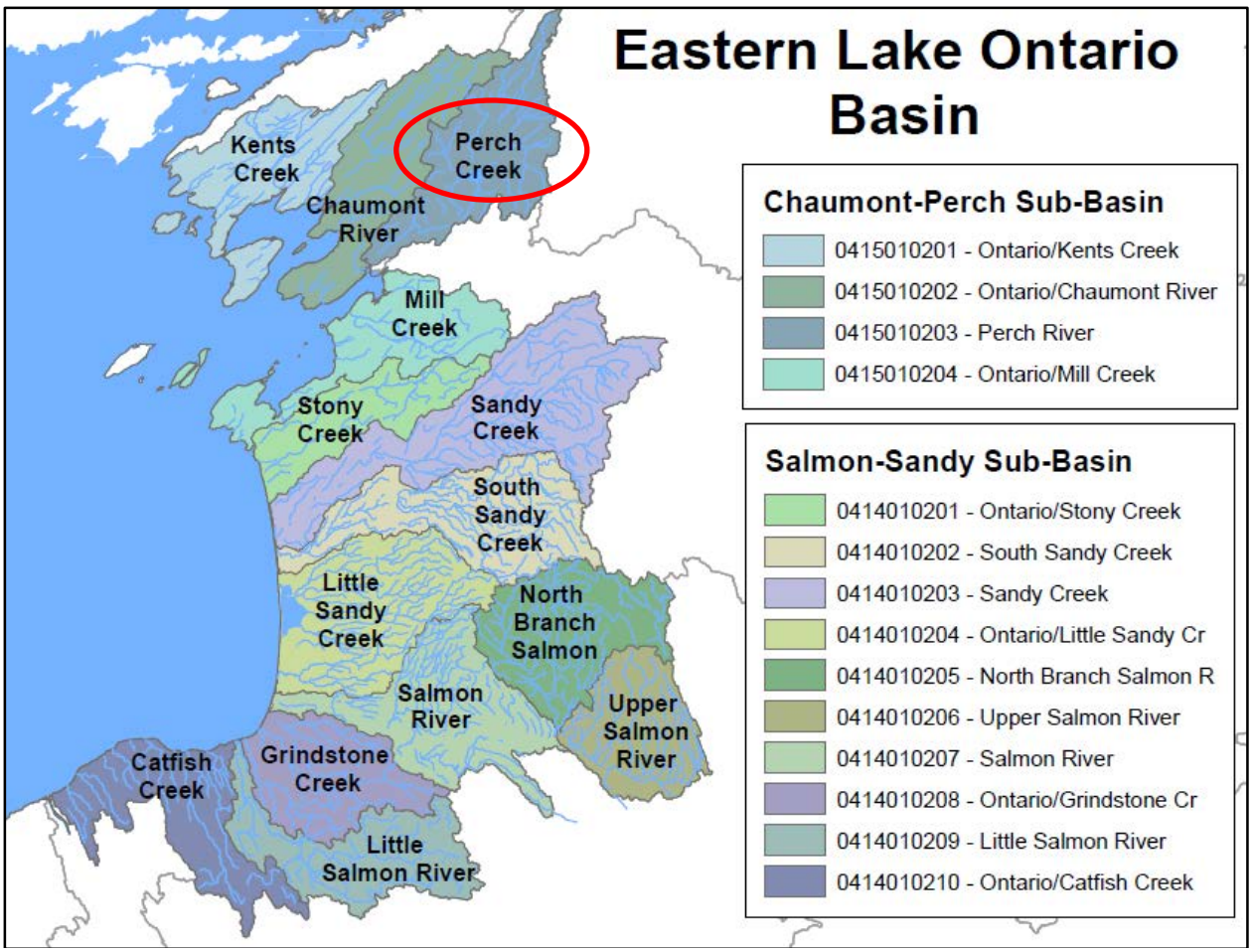

Perch River Watershed
(0415010203)

Water Index Number	Waterbody Segment	Category
Ont 18	Perch River and tribs (0303 0040)	UnAssessed
Ont 18 P390	Perch Lake (0303 0041)	UnAssessed
Ont 18 P390 1	Hyde Creek and tribs (0303 0042)	UnAssessed
Ont 18 P390 1 P391	Hyde Lake (0303 0043)	MinorImpacts

Hyde Lake (0303-0043) MinorImpacts

Waterbody Location Information

Revised: 05/09/2007

Water Index No: Ont 18-P390- 1-P391
Hydro Unit Code: 04150102/020 **Str Class:** B
Waterbody Type: Lake
Waterbody Size: 185.6 Acres
Seg Description: entire lake

Drain Basin: Lake Ontario
Reg/County: 6/Jefferson Co. (23)
Quad Map: THERESA (E-17-2)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Public Bathing	Stressed	Suspected
Aquatic Life	Stressed	Possible
Recreation	Stressed	Known

Type of Pollutant(s)

Known: ALGAL/WEED GROWTH, NUTRIENTS (phosphorus)
Suspected: D.O./Oxygen Demand
Possible: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: AGRICULTURE
Possible: On-Site/Septic Syst

Resolution/Management Information

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

Further Details

Recreational uses in Hyde Lake are known to experience minor impacts due to nutrient loads and some aquatic weed growth. Public bathing and aquatic life support may also be affected. Agricultural and various other nonpoint sources are the likely source of these impacts to the lake.

Hyde Lake has been sampled as part of the NYSDEC Citizen Statewide Lake Assessment Program (CSLAP) beginning in 1999 and continuing through 2004. An Interpretive Summary report of the findings of this sampling was published in 2005. These data indicate that the lake is best characterized as mesoeutrophic, or moderately to highly productive. In some previous years that lake was assessed as eutrophic, indicating the lake was less productive in 2004. Phosphorus levels in the lake frequently exceed the state guidance values indicating impacted/stressed recreational uses. Corresponding transparency measurements only rarely fail to meet what is recommended for swimming beaches. Measurements of pH typically fall within the state water quality range of 6.5 to 8.5. The lake water is slightly colored, which is also typical of northwestern Adirondack Lakes. (DEC/DOW, BWAM/CSLAP, October 2005)

Public perception of the lake and its uses is also evaluated as part of the CSLAP program. This assessment indicates recreational suitability of the lake to be stable but occasionally unfavorable in recent years. The recreational suitability of the lake is described most frequently as "slightly" impacted for most uses The lake itself is most often described as ranging from "not quite crystal clear" to (having) "definite algae greenness," an assessment that is consistent with the perceived water quality conditions in the lake and its measured water quality characteristics. Assessments have noted that aquatic plants occasionally grow to the lake surface and can significantly impact recreational uses, although this has not been the case in most recent years. Aquatic plants are generally native species. (DEC/DOW, BWAM/CSLAP, October 2005)

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 public 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.