

Natural. Valued. Protected.

Lake Fact Sheet – Parry Sound District Solitaire Lake

Location

<i>Official Name:</i> Solitaire Lake	<i>Local Names:</i> Clear Lake
<i>County/District:</i>Muskoka	<i>Geographic Twp:</i> Sinclair
<i>Municipality:</i> Township of Lake of Bays	<i>MNR Admin. Area:</i> Bracebridge
<i>Lat./Long:</i> 45.392 N -79.010 W	<i>UTM (NAD83):</i> 17 5028449 655768
<i>Topographic Map (1:50,000):</i>31E06	<i>Drainage Basin:</i> Big East River

Physical Features

<i>Surface Area (ha):</i>122	<i>Maximum Depth (m):</i> 30	<i>Mean Depth (m):</i> 11
<i>Elevation (m asl):</i>380	<i>Perimeter (km):</i> 6.2	<i>Island Shoreline (km):</i> 0
<i>Volume (10⁴ m³):</i>1342	<i>Watershed (km²):</i> 3	<i>Water Clarity:</i>
	(excludes area of lake)	

Land Use and Development

<i>Crown Land (%):</i> 25	<i>Provincial Parks:</i> J. Albert Bauer Provincial Park (non-operating)
<i>Shoreline Development:</i>	Low; shoreline residential
<i>Access:</i>	Public access from small boats off South Limberlost Road
<i>Water Level Management:</i>	Not regulated

Fish Species

<i>Major Fish Species:</i>	lake trout, burbot, yellow perch, smallmouth bass (I)
<i>Other Fish Species:</i>	white sucker, brown bullhead, lake chub, lake whitefish, fathead minnow, creek chub, common shiner, golden shiner, pearl dace, round whitefish; slimy sculpin
<i>Other Species:</i>	spiny water flea (I 2004)

Notes: E: extirpated, I: introduced – intentional or accidental, O: occasional, R: remnant, S: currently stocked, ?: status uncertain, 2009: year of first record or introduction if known, blank: presumed native

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Fisheries Management

<i>Fisheries Management Zone:</i>	15
<i>Designation for Lake Trout Management:</i>	designated; natural reproduction; at development capacity
<i>Fishing Regulation</i>	Lake trout open from 3 rd . Sat. in May – Sept 30. (2009)
<i>Exceptions:</i>	
<i>Current Stocking:</i>	None
<i>Historic Stocking (last year stocked):</i>	lake trout (1976), brook trout (1958), rainbow trout (1941)
<i>Contaminants:</i>	Species tested: lake trout, smallmouth bass
<i>Assessment:</i>	Completed Projects: 1975 lake survey 1978 lake trout assessment 1984 lake trout spawning shoal assessment 1985-86 creel surveys 2005 Nordic fish community assessment Dissolved oxygen profiles are collected on a regular basis

Synopsis

Solitaire Lake was closed to winter and early spring fishing in 1987. A creel census was conducted in the spring of 1986 suggested that over harvest was likely occurring and confirmed the perceptions of area anglers.

All indications are that Solitaire is an excellent lake trout lake with good nursery and spawning habitat providing excellent reproductive success for a native lake trout population. It is expected that Solitaire Lake would be sensitive to additional shoreline development or disturbance in the upstream drainage basin, because of its relatively small size and headwater position.

The 'whitefish' identified in early surveys were confirmed as round whitefish in the 2005 Nordic netting.

Updated: January 2010

Refer to Lake Fact Sheet Interpretation document for explanation of content.

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