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## Lake Fact Sheet – Parry Sound District Long Lake

### Location

Official Name: ..... Long Lake    Local Names: ..... Oliphant Lake  
 County/District: ..... Parry Sound    Geographic Twp: ..... Proudfoot  
 Municipality: ..... Town of Kearney    MNR Admin. Area: ..... Bracebridge  
 Lat./Long: ..... 45.7100 N 79.1858 W    UTM (NAD83): ..... 17 641207 5063428  
 Topographic Map (1:50,000): ..... 31E11    Drainage Basin: ..... Magnetawan River

### Physical Features

Surface Area (ha): ..... 180    Maximum Depth (m): ..... 43    Mean Depth (m): ..... 14  
 Elevation (m asl): ..... 381    Perimeter (km): ..... 12.9    Island Shoreline (km): ..... 0.1  
 Volume (10<sup>4</sup> m<sup>3</sup>): ..... 2520    Watershed (km<sup>2</sup>): ..... 14.1    Water Clarity (m): ..... 5.5  
 (excludes area of lake)

### Land Use and Development

Crown Land (%): ..... 60    Provincial Parks: ..... none  
 Shoreline Development: ..... low; shoreline residential, recreation camp  
 Access: ..... public; access via Crown Land access road/snowmobile trail  
 Water Level Management: ..... not regulated

### Fish Species

Major Fish Species: ..... lake trout, brook trout, smallmouth bass (I 1982), round whitefish, burbot  
 Other Fish Species: ..... brown bullhead, common shiner, lake chub, yellow perch, white sucker, creek chub, pearl dace  
 Other Species: .....

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; at development capacity
<i>Fishing Regulation Exceptions</i> .....	lake trout open from 3 <sup>rd</sup> Sat in May - Sept. 30
<i>Current Stocking:</i> .....	none
<i>Historic Stocking (last year stocked):</i> .....	brook trout (1968), lake trout (1984)
<i>Contaminants (species tested):</i> .....	lake trout
<i>Assessment:</i>	<i>Completed Projects:</i>
	1968 lake survey
	1982 lake trout population assessment
	1983 winter creel survey
	1984 lake trout spawning assessment and sonic tracking
	1985 summer creel survey
	1993 Spring Littoral Index Netting (lake trout)
	2005 Spring Littoral Index Netting (lake trout)
Water chemistry profiles are collected on a regular basis	

### Synopsis

Long Lake is a small, semi-remote lake trout lake located in Proudfoot Township. The lake has good deep water habitat for lake trout, especially the east basin, where there is a considerable area greater than 30 m deep. Lake summer dissolved oxygen profiles have been collected and show that the average oxygen content of the hypolimnion is close to the 7 ppm criterion below which MNR recommends that no additional shoreline development be permitted in order to protect water quality.

Creel survey results from 1983, 1985, and 1991 showed a significant reduction in angler activity and catch-per-unit-effort (CUE). It was speculated that the lake was over-harvested and required protection from angler harvest to facilitate its recovery. Spring Littoral Index Netting (SLIN) in 1993 confirmed a very low abundance with only 1 lake trout captured during 28 standard short sets. Round whitefish were extremely abundant in the netting indicating a possible community imbalance which may impact the recovery of lake trout.

Special regulations were implemented in 1994 which included a winter/early spring closure of the lake trout season. A subsequent SLIN survey in 2005 found a moderately abundant lake trout population, indicating that the population had recovered greatly. Current open water angling effort is thought to be fairly low.

Long (Oliphant) Lake is currently being managed as a self-sustaining lake trout fishery; no supplemental stocking is done in order to protect the native genetic stock. A small number of brook trout occur in the lake; they probably depend largely on tributary streams as nursery areas, in order to persist in the presence of smallmouth bass. Long Lake is one of a small number of lakes in the District which supports a population of round whitefish.

Updated: January 2010

Refer to Lake Fact Background Information document for explanation of content.

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