

*Natural. Valued. Protected.*

Lake Fact Sheet – Parry Sound District

# Bolger Lake

Location:	
<b>MNR District:</b> .....	Parry Sound
<b>Geographic Township:</b> .....	Burton
<b>Municipal Township:</b> .....	Whitestone
<b>Watershed:</b> .....	Magnetawan River
<b>Fisheries Mgmt Zone:</b> .....	15

Basin and Terrain Characteristics:	
<b>Lake Survey Year:</b> .....	1975
<b>Surface Area:</b> .....	340.4 hectares
<b>Maximum Depth:</b> .....	19.8 meters
<b>Mean Depth:</b> .....	5.3 meters
<b>Perimeter:</b> .....	27.4 km
<b>Island shoreline:</b> .....	2.9 km
<b>Littoral Zone:</b> .....	63%
<b>Shoreline Development:</b> .....	19 Cottages (at time of 1975 survey)
<b>Access Points:</b> .....	Road
<b>Water Level:</b> .....	
<b>Crown Land:</b> .....	60% Shoreline

Water Quality:	
<b>Secchi reading:</b>	4.8 meters (1998)
<b>Colour:</b>	Blue/Green
<b>Dissolved Oxygen:</b>	
<b>Alkalinity:</b>	6.8 mg/l – Level 2 Extremely Sensitive (MOE, 1989)
<b>pH:</b>	7.5
<b>Total Phosphorus:</b>	Average 0.005 mg/l
<b>M.E.I.:</b>	3.2
<p><b>“Guide to eating fish”:</b> Fish in watersheds draining into Georgian Bay generally have high levels of mercury. This is due to natural, high background levels of mercury present in the watershed – not man-made contamination. A precautionary approach to fish consumption is recommended. We recommend you search the guide for an alternate large lake in your watershed and apply those consumption guidelines to your lake of interest. Extra caution should be exercised by women of child-bearing age and for children.</p>	
<p>The Guide to Eating Ontario Sport Fish is available electronically at: <a href="http://www.ene.gov.on.ca">www.ene.gov.on.ca</a>.</p>	

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### Fisheries:

**Game Fish Species:** Walleye, Largemouth Bass, Yellow Perch, Rock Bass, Northern Pike (1999), Smallmouth Bass

**Other species present:** Cisco, Pumpkinseed, Brown Bullhead (1999), White Sucker (1999)

**Exotic Species:**

**Stocking Record:** The lake is not currently being stocked.

1952 Smallmouth Bass 300 fingerling  
Pre 1974 Cottagers introduce Northern Pike (Anecdotal)

### Summary of Fisheries Studies / Reports:

Brown, B., 2001 Bolger Lake **Walleye Spawning Site Assessment**

- Six creek sites, shoals and shoreline assessed for spawning capabilities and enhancement potential.
- No creek observed is suitable for enhancement.
- A shoal off Gray's cottage is the best area for enhancement.

McIntyre, E. 1999 **1999 Synoptic Trapnet Survey Report**

- Walleye was the dominant catch being 63.7% of the biomass.
- Walleye catch is comparatively high against the district average.
- The percentage of forage fish biomass was unusually low.

The Magnetawan Pioneer Society, 1996 **Creel Census of the Bolger Lakes**

- Effort per fish caught was 2.22 rod hours

### Management Prescription:

This lake is being managed as a natural, self-sustaining Walleye and Bass fishery. Generic sport fishing regulations for FMZ-15 apply; there are no exception regulations.

*Created: June 2003*  
Updated: January 2010

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

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Parry Sound Area office: (705) 746-4201  
Bracebridge Area office: (705) 645- 8747