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Lake Fact Sheet – Parry Sound District

# Salmon Lake

Location:	
<b>MNR District:</b> .....	Parry Sound
<b>Geographic Township:</b> .....	Foley
<b>Municipal Township:</b> .....	Seguin
<b>Watershed:</b> .....	Boyne River
<b>Fisheries Mgmt Zone:</b> .....	15

Basin and Terrain Characteristics:	
<b>Lake Survey Year:</b> .....	1971
<b>Surface Area:</b> .....	68.1 hectares
<b>Maximum Depth:</b> .....	14.3 meters
<b>Mean Depth:</b> .....	7.4 meters
<b>Perimeter:</b> .....	6.9 km
<b>Island shoreline:</b> .....	1.1 km
<b>Littoral Zone:</b> .....	39%
<b>Shoreline Development:</b> .....	44 Cottages (cottage count as of 2004)
<b>Access Points:</b> .....	Road (Public)
<b>Water Level:</b> .....	Not Regulated (i.e. no dams)
<b>Crown Land:</b> .....	10% Shoreline

Water Quality:	
<b>Secchi reading:</b>	3.7 meters (OMNR, 1971); 5.0 meters (MOE, 1998)
<b>Colour:</b>	Colourless
<b>Alkalinity:</b>	13.7 mg/l (Level 2 - Extremely Sensitive; MOE, 1989)
<b>pH:</b>	6.5
<b>Total Phosphorus:</b>	8 ug/l (low)
<b>M.E.I.:</b>	2.5
<p><b>“Guide to Eating Ontario Sport 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 (i.e. Oastler Lake) and apply those consumption guidelines to Salmon Lake. Extra caution should be exercised by women of child-bearing age and for children.</p> <p>The <i>Guide to Eating Ontario Sport Fish</i> 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:** Northern Pike, Smallmouth Bass, Largemouth Bass, Yellow Perch,

**Other species present:** Cisco, White Sucker, Rock Bass, Pumpkinseed

**Introduced Species:** Lake Trout (no longer stocked). Largemouth and Smallmouth Bass are probably introduced species.

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

1963 Lake Trout 1,500 yearling  
1959 Lake Trout 500 yearling  
1955 Lake Trout 1,000 yearling  
1953 Lake Trout 1,000 yearling  
1950 Lake Trout 1,000 yearling  
1949 Lake Trout 2,000 yearling

### Summary of Fisheries Studies / Reports:

McIntyre, E. 2004. Nearshore Community Index Netting (NSCIN) Survey Report – Salmon Lake, Foley Geographic Township, Summer 2004. 16 p.

#### Executive Summary:

During the summer of 2004, a Nearshore Community Index Netting (NSCIN) survey was conducted on Salmon Lake to assess the status of the nearshore fish community and individual species which comprise it.

The nearshore fish community of Salmon Lake is relatively simple with only seven different species being captured in this survey. The catch – and by inference, the fish community, was almost completely dominated by smallmouth and largemouth bass. Together, these two species comprised 88% of all fish caught and 93% of the total catch weight.

Relative to Provincial benchmarks, smallmouth bass abundance was “medium” and largemouth bass abundance was “high”. Relative abundance for all other species (northern pike, brown bullhead, rock and pumpkinseed) was “low”, except common white sucker which was “medium”. Biosampling data (size distribution) for smallmouth bass indicated a robust and healthy population characterized by high levels of reproduction and recruitment and moderate levels of exploitation. The largemouth bass population was also characterized by good levels of reproduction and recruitment, but the scarcity of large individuals in the catch may be symptomatic of high levels of exploitation.

Ministry records strongly suggest smallmouth and largemouth bass are both recently (post 1971) introduced species to the lake, but not by the MNR. Northern pike, which probably is an original species, appears to be languishing. We suspect this may be due to unsuitable or limited habitat for pike.

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### **Management Prescription:**

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

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

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