



PARRY SOUND AREA LAKE SUMMARIES



Brought to you compliments of:

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Three-Legged Lake

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Revised:

Location:

MNR District:..... Parry Sound
Geographic Township: Foley & Cowper
Municipal Township: Seguin & Archipelago
Watershed: Georgian Bay
Angling Division: 15

Basin and Terrain Characteristics:

Lake Survey Year: 1973
Surface Area:..... 177.8 hectares
Maximum Depth: 40.6 meters
Mean Depth: 14.3 hectares
Perimeter: 22.7 km
Island shoreline: 1.6 km
Littoral Zone: 37%
Thermal Regime: Cold
Shoreline Development: 50 Cottages, 1 Resort
Access Points: Road (Public)
Water Level: Not Regulated
Crown Land: 75%

Water Quality:

(Parameters pertain to fisheries habitat only. For information on potability of water or contaminants, contact Min. of Health and Min. of Environment.)

Secchi reading: 6.0 meters (1996)

Colour:

Dissolved Oxygen:**Alkalinity:** 20.5 ug/l – Level 3 Moderately Sensitive (MoE, 1989)**pH:** 7.8 (1968); 5.78 – 7.03 (MoE, 1980)**Total Phosphorus:** 6.0 ug/l (MoE, 1980); 3.2 ug/l (MoE, 1989)**M.E.I.:****“Guide to eating fish”:** No Information**Fisheries:****Game Fish Species:** Lake Trout (1998), Smallmouth Bass (1998), Yellow Perch (1998),
Rainbow Trout (2001)**Other species present:** White Sucker (1998), Cisco (1998)**Exotic Species:****Stocking Record:** 2001 Rainbow Trout 2,000 6 inch
2000 Rainbow Trout 2,500 8 – 10 inch
1999 Rainbow Trout 2,000 9 – 11 inch
1988 Lake Trout 2,500 9 – 11 inch AD clip
1985 Lake Trout 2,000 yearling LP clip
1978 Lake Trout 3,200 yearling AD clip
1976 Lake Trout 5,000 yearling
1975 Lake Trout 1,000 yearling LP clip
1972 Lake Trout 5,000 yearling AD clip
1971 Lake Trout 3,000 yearling RP clip
1969 Lake Trout 5,000 yearling LV clip
1968 Lake Trout 3,000 yearling AD clip
1967 Lake Trout 850 yearling
1965 Lake Trout 3,000 fry
1965 Smallmouth Bass 1,000 fingerling
1963 Smallmouth Bass 2,000 fingerling
1963 Lake Trout 2,000 yearling
1961 Lake Trout 1,000 17 weeks
1959 Lake Trout 500 yearling
1957 Lake Trout 1,000 fingerling
1955 Lake Trout 1,000 3 month
1954 Lake Trout 3,000 1.5 (?)
1953 Smallmouth Bass 300 fingerling
1953 Lake Trout 2,000 (?)
1952 Smallmouth Bass 300 fingerling
1950 Lake Trout 1,000 fingerling
1949 Lake Trout 2,000 fingerling
1948 Smallmouth Bass 5,000 fry
1947 Smallmouth Bass 5,000 fry
1945 Lake Trout 15,000 fry
1936-40 Lake Trout 50,000 fingerling
1935 Lake Trout 25,000 fingerling
1925 Lake Trout 20,000 fry**Stress Type:**

Use Type: Recreation, Recreational Fishing, Canoe Route

Summary of Fisheries Studies / Reports:

MNR 2003 Note to File: **Optimal Habitat Calculations**

- Optimal Lake Trout Habitat as a percentage of lake volume (temp $\geq 10^{\circ}$ C. & D.O. ≥ 6 ppm.): 42.4% (1999); 44% (2000); 37.4% (2002); 41.1% (2003)

MNR 1999 Note to File: 1999 **Winter Creel “Spot Check” survey**

- Lake ‘surveyed’ on seven occasions during Feb. and March of 1999
- On only one occasion was a single person interviewed. No lake trout caught.
- Winter angling pressure appears negligible.

MNR 1998 Note to File: **Optimal Habitat Calculations**

- Optimal Lake Trout Habitat as a percentage of lake volume (temp $\geq 10^{\circ}$ C. & D.O. ≥ 6 ppm.): 55.8% (1980); 13.6% (1996)

McIntyre, E. 1998. **Spring littoral index netting** report for Three Legged Lake, 1998 - Geographic Township of Foley

- CUE of 0.36 ± 0.19 ($P > 0.05$) (among the lowest in Parry Sound Area and Provincially)
- Low productivity (reproductive) levels; 5 of 11 lake trout captured were naturals
- exceptionally slow growth rate and perhaps exceptionally late sexual maturation
- poor conditions (length-weight relationship)
- cisco population appears to have crashed
- spawning habitat appears limited; precise spawning locations undocumented
- reduced optimal lake trout habitat as indicated by 1996 dissolved oxygen/temp. data
- significant rehabilitative efforts are required if lake trout are to continue as a natural, self-sustaining populations in this lake

Perry, L. 1993. **Assessment** of Three Legged Lake, Foley Township, **for potential lake trout spawning habitat.**

- Visual summer-time assessment of potential lake trout spawning sites
- two anecdotal records included
- 9 potential sites identified, of which 3 appear ‘promising’

Perry and Jamieson 1993 **Observed Bass nests** on Three-legged Lake, Foley Township

- Details locations of spawning sites

Deary Environmental Consultants, 1990. Summary report for **lake trout** (*Salvelinus namaycush*) **assessment** of thirteen lakes in the Parry Sound District

- 12 over-night gill net sets: 12 lake trout caught - 3 naturals; also caught 206 cisco
- mean fork length: 32.8 cm; mean round wt. 569 grams

MNR 1990 Note to File: **winter angler report**

- Party of 2 has fished this lake 2 times this year and caught 7 lake trout of which 4 were fin clipped.

MNR, 1978. Summary of 1978 **winter creel census** on lake trout lakes by Ministry of Natural Resources Personnel.

- Checked on 6 occasions during winter of 1978
- 10.5 angler hours of effort surveyed; no lake trout caught

Thurston, L. 1976. **Assessment of lake trout planting** Parry Sound District.

- 12 over-night gill net sets caught 17 lake trout (10 natural) and 194 cisco

Thurston, L. 1975 Summer and Winter Creel census on selected lake trout lakes in the Parry Sound District 1974-75

- 2 checks of 7 anglers at 31 rod hours for lake trout none caught

Management Prescription:

- Lake trout catch and possession limit of two (2), zero (0) between 40 - 55 cm (15.7 - 21.6 in.).
- Conservation license limit of one (1), zero (0) between 40 - 55 cm (15.7 - 21.6 in.).
- Lake trout open from May 19 (3rd Sat.) - Sept. 30.