



PARRY SOUND AREA LAKE SUMMARIES



Brought to you compliments of:

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Horn Lake

Created: October 03

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Location:

MNR District:..... Parry Sound
Geographic Township: Monteith
Municipal Township: McMurrich/Monteith
Watershed: Seguin River
Angling Division: 15

Basin and Terrain Characteristics:

Lake Survey Year: 1976
Surface Area:..... 454.9 hectares
Maximum Depth: 9.2 meters
Mean Depth: 2.0 meters
Perimeter: 27.8 km
Island shoreline: 13.0 km
Littoral Zone: 97%
Thermal Regime: Warm
Shoreline Development: 4 Cottages
Access Points: Road (Public)
Water Level: Controlled. Dam on outlet: 2.0 meter late winter draw down
Crown Land: 55% Shoreline

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: 1.6 meters
Colour: Yellow/Brown

Alkalinity: 6.8 mg/l (1979) - Level 2 Extremely Sensitive (MoE, 1989)
pH: 6.0 (1979)
M.E.I.: 7.2

“Guide to eating fish”: No Information

Fisheries:

Game Fish Species:

Largemouth Bass, Yellow Perch

Other species present: Brown Bullhead, Cisco, White Sucker, Lake Chub, Pumpkinseed

Exotic/Introduced Species: Smallmouth bass introduced on five occasions between 1941 and 1963; unsuccessful introduction.

Stocking Record: 1981 Largemouth Bass 200 adult
1978 Largemouth Bass 68 adult
1976 Largemouth Bass 143 adult
1963 Smallmouth Bass 1,000 fingerling
1961 Smallmouth Bass 2,000 fingerling
1953 Smallmouth Bass 400 fingerling
1952 Smallmouth Bass 300 fingerling
1941 Smallmouth Bass 1,000 fingerling

Use Type: Recreation, Recreational Fishing

Summary of Fisheries Studies / Reports:

McIntyre, E. 1982 1981 **Assessment of Some Largemouth Bass Introductions** Made in The Parry Sound District During 1976 and 1978

- A total of 211 adult largemouth bass planted in 1976 and 1978
- In 1981, 12-overnight trap net sets caught only 2 largemouth bass; CPUE of 0.17 largemouth bass / set; indicative of very poor survival of planted fish

McIntyre, E. 1982 **Coarse Fish Removal and Assessment** Conducted in the Parry sound District 1981

- Utilizing four and six foot trap nets 12,403 brown bullheads and 321 pumpkinseeds were removed.
- Purpose of project was to alter community structure to favour largemouth bass.

McIntyre, E. 1982 Pre-stocking Assessment and **Transfer of Adult Largemouth Bass** in the Parry Sound District , 1981

- A total of 200 adult largemouth bass were transferred from Axe and Mead Lakes.
- Purpose: A final attempt to introduce largemouth bass into Horn Lake to create a natural, self-sustaining fishery.

Baldwin, R. 1978 **Largemouth Bass Introductions** in the Parry Sound District, 1976 – 1978

- In 1996, 143 largemouth bass adults were transferred from Nogies Creek in Minden District.
- In 1978, a total of 68 largemouth bass were transferred on two occasions from Martin Lake.

Note: Parry Sound Power Generation (formerly Parry Sound Public Utilities) holds water rights to various lakes in the Seguin River watershed – including Horn Lake, for hydro generating purposes. The lake is subject to a summer draw down of 0.7 m. between July and mid-September, and a winter draw down of 2.0 m between February and mid-March. The late winter draw down is significant, reducing the surface area by approximately 63%. Two metres is the mean depth of Horn Lake, so approximately half the lake is drained in the winter draw down. This may have a significant detrimental impact on resident fish species.

Management Prescription:

- Manage as a natural, self-sustaining largemouth bass, and yellow perch fishery.
- No 'exception' regulations apply.