



PARRY SOUND AREA LAKE SUMMARIES



Brought to you compliments of:

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McDougall Lake

Created: October 03

Revised:

Location:

MNR District:..... Parry Sound
Geographic Township: McDougall
Municipal Township: McDougall
Watershed: Seguin River
Angling Division: 15

Basin and Terrain Characteristics:

Lake Survey Year: 1976
Surface Area:..... 69.3 hectares
Maximum Depth: 7.0 meters
Mean Depth: 3.6 meters
Perimeter: 7.1 km
Island shoreline: 0.2 km
Littoral Zone: 86%
Thermal Regime: Cool
Shoreline Development: 31 Cottages, 4 resorts, 1 Golf Club
Access Points: Road (Public)
Water Level: Not Regulated
Crown Land: 0% 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: 2.4 Meters
Colour: Yellow/Brown

Dissolved Oxygen:**Alkalinity:** 6.8 – Level 3 Moderately Sensitive (MoE, 1989)**pH:** 7.0**Total Phosphorus:** 8.7 ug/l (MoE, 1989)**M.E.I.:** 7.9**“Guide to eating fish”:** No Information**Fisheries:****Game Fish Species:** Northern Pike, Smallmouth Bass (1963), Yellow Perch, Walleye, Black Crappie (Anecdotal, 2000)**Other species present:** White Sucker, Common Shiner, Bluntnose Minnow, Brown Bullhead, Rock Bass, Pumpkinseed, Shorthead Redhorse Minnow (2000), Iowa Darter, Johnny Darter,**Exotic Species:****Stocking Record:** 1963 Smallmouth Bass 1,000 fingerling
1957 Smallmouth Bass 300 fingerling
1955 Smallmouth Bass 200 fingerling
1955 Walleye 150,000 eggs
1953 Smallmouth Bass 250 fingerling
1953 Walleye 200,000 eggs
1952 Smallmouth Bass 300 fingerling
1952 Walleye 150,000 eggs
1951 Smallmouth Bass 250 fingerling
1951 Walleye 150,000 eggs
1950 Smallmouth Bass 400 fingerling
1948 Walleye 100,000 fry
1947 Walleye 100,000 fry
1946 Smallmouth Bass 500 fingerling
1944 Smallmouth Bass 5,000 fry
1941 Smallmouth Bass 1,000 fingerling
1940 Walleye 250,000 fry
1940 Smallmouth Bass 5,000 fry
1939 Smallmouth Bass 500 fingerling
1939 Walleye 500,000 fry**Stress Type:****Use Type:** Snowmobile Trail, Recreation, Recreational fishing, Tourism Based Industry**Summary of Fisheries Studies / Reports:**McIntyre, E. 2001 **Synoptic Trapnet Survey** Summer 2001

- A synoptic trapnet survey consisting of 11 overnight, trapnet sets was conducted from June 4 to 9th, 2000.

- The primary purpose of the study was to assess the status of the fish community and in particular that of the walleye population prior to a planned rehabilitative stocking of fall fingerling walleye in 2000 by the Parry Sound Anglers and Hunters organization.
- Due to supply problems with the private hatchery providing the fish, the stocking did not occur.
- Overall fish productivity as measured by C.U.E. by weight was 10.1 kg/net set well below the average of 19.7 generated from 14 similar and recent surveys.
- Walleye comprised 25% of the total catch weight of 130.8 kg. followed by common white sucker at 23%, northern pike 19%, redhorse sucker 13%, smallmouth bass 10%, brown bullhead 7%, black crappie 3% and rock bass at less than 1%.
- We acknowledge that catch composition is not representative of fish community composition due to gear selectivity.
- Walleye and smallmouth bass abundance as measured by C.U.E. (number) was very low relative to other surveys conducted in the Parry Sound Area over the past two decades. Northern pike abundance was 'average'.
- Age class distribution of walleye was highly irregular and inconsistent in year class strength which was not representative of a healthy population.
- Recent recruitment has varied from low to negligible. Notwithstanding the foregoing, the existing walleye population is of sufficient size to rehabilitate and rebuild the walleye fishery on McDougall Lake. We recommend onerous walleye fishing regulation changes to promote natural rehabilitation of this population.
- Recruitment, mortality and abundance of smallmouth bass and black crappie are probably all low and these populations appear to be languishing, but are probably stable at this low level.
- Pike recruitment and mortality rates are also low but abundance appears higher.

MNR 2000 Walleye Spawning Bed Enhancement Project Summer, 1999

- 12 cubic yards of granite rock 6 to 14 inches in diameter were deposited at two sites on the inlet from Nine Mile Lake (50 meters north of Pine Ridge Road Bridge and immediately below the bridge)

Management Prescription: