



PARRY SOUND AREA LAKE SUMMARIES



Brought to you compliments of:

Gord Pollock, Broker

Century 21 Granite Properties Ltd Brokerage
33 James Street, Parry Sound, Ontario P2A 1T6

Business: 705-746-2158 , Fax: 705-746-4746

Residence: 705-746-4816 , Cell: 705-774-0955

Website: www.gordpollock.com Email: gord@gordpollock.com

Bear Lake

Created: Sept. 2000

Revised: June 2003

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: 1975
Surface Area:..... 325 hectares
Maximum Depth: 6.7 meters
Mean Depth: 2.3 meters
Perimeter: 14.2 km
Island shoreline: 0.8 km
Littoral Zone: 99%
Thermal Regime: Cool
Shoreline Development: 79 Cottages, 1 Resort
Access Points: Road
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: 2.3 meters
Colour: Yellow/Brown

Dissolved Oxygen:**Alkalinity:** 6.8 mg/l - Level 2 Extremely Sensitive (MOE, 1989)**pH:** 6.0 - 6.5**Total Phosphorus:****M.E.I.:** 8.2

“Guide to eating fish”: Restrictions on Smallmouth Bass and Northern Pike consumption, refer to the current “Guide to Eating Ontario Sport Fish”.

Fisheries:

Game Fish Species: Rock Bass, Smallmouth Bass, Largemouth Bass, Yellow Perch, Northern Pike, Walleye

Other species present: White Sucker, Pumpkinseed, Iowa Darter, Brown bullhead, Johnny Darter, Golden Shiner

Exotic Species:

Stocking Record: 1987 Largemouth Bass 146 adults
1973 Smallmouth Bass 10,000 fingerlings
1970 Largemouth Bass 5,000 fry
1963 Smallmouth Bass 5,000 fingerlings
1961 Smallmouth Bass 3,000 fingerlings
1958 Smallmouth Bass 500 fingerlings
1954 Smallmouth Bass 75 6 to 11 inch
1952 Smallmouth Bass 300 fingerling
1951 Smallmouth Bass 250 fingerlings
1950 Smallmouth Bass 400 fingerlings
1949 Walleye 200,000 eggs
1945 Smallmouth Bass 500 fingerlings
1943 Smallmouth Bass 10,000 fry

Stress Type: Acidification

Use Type: Recreation, Recreational Fishing, Tourism Based Industry

Summary of Fisheries Studies / Reports:

McIntyre, E. 2001 **Synoptic Trapnet Survey Report**

- Bear Lake fish community in excellent condition dominated by walleye and northern pike
- Walleye reproduction and recruitment are excellent
- Walleye adult mortality appears to be very high
- Low abundance of smallmouth bass; Conclusion - sub-optimal habitat conditions
- 1987 introduction of sm. bass to create a self-sustaining population appears to be a failure

Boudreau, T.A. 1987. **Largemouth bass introductions** made in the Parry Sound District – 1987.

- Sept. 9 – 11, 1987, 146 adult and juvenile largemouth bass transferred from Axe Lake

Black, R. 1986. Bear Lake **Trapnet Survey**, July 1986.

- Northern Pike at low to moderate numbers and heavily exploited
- Smallmouth Bass populations depressed and 1980 and 1982 year classes are weak although 1979 year class is strong.
- Recommends stocking 100, 25 to 35 cm largemouth bass as the lake has excellent potential for self-sustaining population

Management Prescription: