Lake Fact Sheet – Parry Sound District

Bear Lake

Location

Official Name: ..... Bear Lake	*Local Names:* .....
County/District: ..... Parry Sound	*Geographic Twp:* ..... Monteith
Municipality: ..... Township of McMurrich/Monteith	*MNR Admin. Area:* ..... Parry Sound
Lat./Long: ..... 45.440 N 79.585 W	*UTM (NAD83):* 17 610600 5032700
Topographic Map (1:50,000): 031E05	*Drainage Basin:* ..... Seguin River

Physical Features

Surface Area (ha): 325	*Maximum Depth (m):* 6.7	*Mean Depth (m):* 2.3
Elevation (m asl): 315	*Perimeter (km):* 14.2	*Island Shoreline (km):* 0.8
Volume (10^4 m^3): 747	*Watershed (km^2):* ..... 26.7 (excludes area of lake)	*Water Clarity (m):* *2.3*

Land Use and Development

Crown Land (%): ..... 10 *Provincial Parks:* ..... none

Shoreline Development: ..... High; shoreline residential

Access: ..... public: Beach Street off Highway 518

Water Level Management: ..... not regulated

Fish Species

Major Fish Species: ..... largemouth bass (I), smallmouth bass (I), walleye (I), northern pike,

Other Fish Species: ..... white sucker, pumpkinseed, Iowa darter, brown bullhead, johnny darter, golden shiner ..... rock bass, yellow perch,

Other Species: .....

Notes: E: extirpated, I: introduced – intentional or accidental, O: occasional, R: remnant, S: currently stocked, ?: status uncertain, 2009: year of first record or introduction if known, blank: presumed native

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Fisheries Management

Fisheries Management Zone: 15

Designation for Lake Trout Management: ..... not designated

Fishing Regulation Exceptions ..... no lake-specific exceptions

Current Stocking: ..... none

Historic Stocking (last year stocked): ..... largemouth bass (1987), smallmouth bass (1973), walleye (1949)

Contaminants (species tested): ..... smallmouth bass (2012), northern pike (2012)

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 smallmouth 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

Updated: 2020

Refer to Lake Fact Background Information document for explanation of content.

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