Lake Fact Sheet – Parry Sound District

Axe Lake

Location

Official Name: ..... Axe Lake	*Local Names:* .....
County/District: ..... Parry Sound	*Geographic Twp:* ..... Monteith, McMurrich & Stisted
Municipality: ..... Township of McMurrich/Monteith ..... Town of Huntsville	*MNR Admin. Area:* ..... Parry Sound
Lat./Long: ..... 45.391 N 79.506 W	*UTM (NAD83):* 17 616912 5027484
Topographic Map (1:50,000): 31E05	*Drainage Basin:*.....North Muskoka River

Physical Features

Surface Area (ha): 265	*Maximum Depth (m):* 13	*Mean Depth (m):*..... 2.5
Elevation (m asl):.....323	*Perimeter (km):* 10.3	*Island Shoreline (km):*..... 0.3
Volume (10^4 $m^{3:}$):.....660	*Watershed (km^2):* ..... 33 (excludes area of lake)	*Water Clarity (m):* 1.2

Land Use and Development

Crown Land (%):.....*25* *Provincial Parks:*..... Axe Lake Wetland Conservation Reserve

Shoreline Development: ..... low; recreation camp

Access:.....public; by water via Axe Creek from Rome Road

Water Level Management: ..... not regulated

Fish Species

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

Other Fish Species: .....white sucker, pumpkinseed, brown bullhead, cisco, Iowa darter, blacknose shiner

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): ..... brook trout (1959), smallmouth bass (1945), largemouth bass (1986)

Contaminants (species tested): ..... largemouth bass

Summary of Fisheries Studies/ Reports

OMNR. 1986. Lady Lake Largemouth Bass Study (Draft)

- Bioassay type study in which largemouth bass were transferred from Axe Lake to Lady Lake to determine if receiving lake was toxic.
- Result was non-toxic after a two-week period. (no long-term conclusions)

OMNR, 1982. Axe Lake – 1982 Bass Transfer Summary

- 396 largemouth bass live-captured from Axe Lake and transferred to eight lakes in the Parry Sound District (Santa, McLean, Carruthers, Plate, Tabor, Gilbank, Crawford & Love Lakes)

OMNR 1981 August Largemouth Bass Assessment

- 433 transferred from Axe Lake to four recipient lakes in the Parry Sound District (Manitouwaba Lake –94; Shanty Lake – 99; Wilcox lake – 59; Horn Lake – 181)

OMNR 1981 July Largemouth Bass Transfer

- 145 transferred from Axe Lake to Nine Mile Lake

Keddy, P. A. 1980 The coastal plain flora of an inland lake near Georgian Bay (Draft)

- Rare Atlantic Coastal flora identified on Axe Lake

Walden, F. A, 1954 Management of The Fishery of The Muskoka River System, A Brief Biological Study of Axe Lake (Report found on Axe Lake file.)

- Smallmouth bass planting of 1944 and 1945 unsuccessful as no specimens found in survey
- Recommends attempting stocking Speckled and Kamloops trout as an experiment

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Synopsis

The bed of Axe Lake and much of the surrounding Crown Land is in the Axe Lake Conservation Reserve. Axe Lake has acted as a donor lake to establish largemouth bass fisheries in many lakes across the Parry Sound District through live transfer of adult fish.

Updated: 2020

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

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