Lake Fact Sheet – Parry Sound District

Beaver Lake

Location

Official Name: ..... Beaver Lake	*Local Names:* .....
County/District: ..... Parry Sound	*Geographic Twp:* ..... Bethune
Municipality: ..... Town of Kearney	*MNR Admin. Area:* ..... Bracebridge
Lat./Long: 45.580N 79.209W	*UTM (NAD83):* 17T 639,652 5,049,048
Topographic Map (1:50,000): 31E11	*Drainage Basin:* ..... Magnetawan River

Physical Features

Surface Area (ha): 94	*Maximum Depth (m):* 24	*Mean Depth (m):* 5
Elevation (m asl): 335	*Perimeter (km):*	*Island Shoreline (km):* 0
Volume (10^4 $m^{3:}$): 408	*Watershed (km^2):* ..... 175 (excludes area of lake)	*Water Clarity (m):* 3.1

Land Use and Development

Crown Land (%): ..... 20 *Provincial Parks:* ..... none

Shoreline Development: ..... low; shoreline residential

Access: ..... public; boat launch on Hwy 518

Water Level Management: ..... regulated; water level is influenced by MNRF owned Ayers Dam, downstream of Kearney ..... Water level is managed in accordance with the Magnetawan River Operating Plan

Fish Species

Major Fish Species: ..... Brook Trout (E?), Northern Pike (I 2018), Smallmouth Bass (I 2018) ..... Largemouth Bass (I 2018), Walleye (I 2018)

Other Fish Species: ..... Yellow Perch, Golden Shiner, Pumpkinseed, Rainbow Smelt (I 2018), Rock Bass (I 2018)

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): .....Smallmouth Bass (1940-1958)

Contaminants (species tested): .....Northern Pike, Smallmouth Bass, Walleye

Synopsis

Beaver Lake was surveyed for the first time in 2018. It is curious that it had not been inventoried sooner, given the size and accessibility of the lake. The fish community was dominated by introduced species, with Northern Pike being the most common. At least some of the species have been known to occur elsewhere in the local watershed for many years and were likely in Beaver for many years as well.. Brook Trout were probably native to the lake and may still occur incidentally through emigration from tributary streams in the local watershed. The hostile fish community that exists today precludes any significant number from surviving in the lake. The presence of Walleye was somewhat unexpected; the population is at a relatively low abundance probably due to the combination of habitat quality, fairly high water clarity and interactions with other species, especially smelt and pike. White Suckers were oddly absent from the catch. Suckers are ubiquitous in most waters in the area and have been recorded to occur in Perry Lake downstream.

Updated: 2018

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

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