Lake Fact Sheet – Parry Sound District

Bay Lake

Location

Official Name:	Bay Lake	*Local Names:*	Bucktooth Lake
County/District:	Parry Sound	*Geographic Twp:*	Perry
Municipality:	Township of Perry	*MNR Admin. Area:*	Bracebridge
Lat./Long:	45.506 N -79.208 W	*UTM (NAD83):*	17 639984 5040676
Topographic Map (1:50,000):	31E11	*Drainage Basin:*	Little East River

Physical Features

Surface Area (ha):	135	*Maximum Depth (m):*	23	*Mean Depth (m):*	8
Elevation (m asl):	366	*Perimeter (km):*	9.0	*Island Shoreline (km):*	1.0
Volume (10^4 m^3):	1065	*Watershed (km^2):* (excludes area of lake)	10.4	*Water Clarity (m):*	4.9

Land Use and Development

Crown Land (%): 0 *Provincial Parks:* none

Shoreline Development: high; shoreline residential

Access: public; launch at west end of lake

Water Level Management: not regulated

Fish Species

Major Fish Species: smallmouth bass (I), walleye (I), burbot, largemouth bass (?), lake whitefish, lake trout (no longer stocked), brook trout (O)

Other Fish Species: brown bullhead, pumpkinseed, creek chub, white sucker, yellow perch, rainbow smelt (I)

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: ..... lake trout open all year (2015)

Current Stocking: ..... none

Historic Stocking (last year stocked): ..... brook trout (1961), walleye (2000), lake trout (2011)

*Contaminants (*species tested): ..... walleye, smallmouth bass, lake whitefish

Assessment: Completed Projects:

1971	lake survey
1980	lake trout assessment program
2001	summer trap netting
2012	winter angling spot checks
2012	Summer Profundal Index Netting (targets lake trout)
2013	Winter angler survey

Synopsis

Based on lake morphometry and water chemistry, Bay Lake provides a small amount of lake trout habitat. Despite an MNR lake survey report from 1955 indicating that Bay Lake was a good trout lake, there is currently limited summer habitat, because of anoxia in bottom waters, to sustain a strong lake trout population.

Based on a 2000 trap net study, Bay Lake supports a self-sustaining introduced walleye population.

In the winter of 2012, spot checks of angling activity were done on days expected to have high use (weekends and March Break). Fishing effort was directed at lake trout, walleye and whitefish. Effort was low and no harvested fish were observed.

Index netting was done in 2012 to assess the status of the lake trout population. Only two stocked lake trout were caught and lake-wide abundance was determined to be low. As in past surveys, the lake whitefish population was fairly abundant and was mainly comprised of individuals between 50 and 60 cm long and 1.5 to 2 kg in weight.

The winter angler survey in 2013 was somewhat more intensive that the spot checks done in 2012. It confirmed that overall fishing effort was fairly low. Since other sport fish species are available to winter anglers (walleye and lake whitefish) the continued stocking of lake trout appeared to be of little value.

Bay Lake was formally removed from the list of lakes designated for Lake Trout management in September, 2015. The lake will no longer be stocked and the extended season for lake trout will be removed (tentative target date is 2017).

In 2016, an angler reported catching Largemouth Bass; the presence of a population has not been verified.

Updated: 2019

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

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