

*Natural. Valued. Protected.*

## Lake Fact Sheet – Parry Sound District Echo Lake

### Location

---

<i>Official Name:</i> ..... Echo Lake	<i>Local Names:</i> .....
<i>County/District:</i> .....Muskoka	<i>Geographic Twp:</i> ..... MacLean
<i>Municipality:</i> .....Township of Lake of Bays	<i>MNR Admin. Area:</i> .....Bracebridge
<i>Lat./Long:</i> .....45.177 N -79.066 W	<i>UTM (NAD83):</i> .....17 651993 5004458
<i>Topographic Map (1:50,000):</i> .....31E03	<i>Drainage Basin:</i> .....South Muskoka River
<i>Geographical Names of Canada</i> .....	<a href="http://geonames.nrcan.gc.ca/search/search_e.php">http://geonames.nrcan.gc.ca/search/search_e.php</a>

---

### Physical Features

---

<i>Surface Area (ha):</i> .....223	<i>Maximum Depth (m):</i> .....11.9	<i>Mean Depth (m):</i> .....4.6
<i>Elevation (m asl):</i> .....333	<i>Perimeter (km):</i> .....12.6	<i>Island Shoreline (km):</i> .....0.4
<i>Volume (10<sup>4</sup> m<sup>3</sup>):</i> ..... 1,000	<i>Watershed (km<sup>2</sup>):</i> .....25.5 (excludes area of lake)	

---

### Water Quality

The Ministry of the Environment is the lead provincial agency for water quality in Ontario. Many lakes are sampled through the volunteer-based Lake Partner Program. Some municipalities and non-government organizations (eg. cottage associations) also collect data. The Ministry of Natural Resources generally collects water quality information only for specific fisheries management purposes.

MOE Lake Partner Program:..... [www.ene.gov.on.ca/envision/water/lake\\_partner/index.htm](http://www.ene.gov.on.ca/envision/water/lake_partner/index.htm)  
 District Municipality of Muskoka:..... [www.muskokawaterweb.ca](http://www.muskokawaterweb.ca)

### Land Use and Development

---

<i>Crown Land (%):</i> ..... 0	<i>Provincial Parks:</i> ..... none
<i>Crown Land Use Policy Atlas:</i> .....	<a href="http://crownlanduseatlas.mnr.gov.on.ca/">http://crownlanduseatlas.mnr.gov.on.ca/</a>
<i>Shoreline Development:</i>	Moderate; shoreline residential
<i>Access:</i>	Public; Echo Lake Road
<i>Water Level Management:</i>	Unregulated

---

# Lake Fact Sheet – Parry Sound District

## Echo Lake

### Fish Species

---

Major Fish Species: brook trout (R), smallmouth bass (I), largemouth bass (I 1990)

Other Fish Species: cisco (lake herring), white sucker, common shiner, brown bullhead, burbot, rock bass (I), pumpkinseed, yellow perch (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

### Fisheries Management

---

*Fisheries Management Zone:*.....15

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

*Fishing Regulation Exceptions:* No lake-specific exceptions (2009);  
refer to current Regulation Summary for details: [www.mnr.gov.on.ca/en/index.html](http://www.mnr.gov.on.ca/en/index.html)

*Current Stocking:* None

Current stocking list is available through ServiceOntario and MNR Area Offices

*Historic Stocking (last year stocked):* rainbow trout (1954), brook trout (1958), smallmouth bass (1966)

Stocking may be discontinued for many reasons including successful occurrence of natural reproduction, low returns of stocked fish due to changing or poor habitat, incompatible fish community or change to management policy.

---

*Contaminants:* Fish have been tested by MOE for their suitability for human consumption.

Species tested: smallmouth bass, rock bass, white sucker

Mercury is the major contaminant in most inland lakes. Top predators, such as walleye or lake trout generally have higher levels of contaminants than species that feed lower on the food chain, such as whitefish and perch. Larger, older individuals of a species generally have more contaminants than smaller, younger individuals.

For species that have not been tested, we suggest using the guideline from a downstream lake in the same watershed or a nearby lake with similar water clarity and fish community.

Guide to Eating Ontario Sport Fish (MOE):  
[www.ene.gov.on.ca](http://www.ene.gov.on.ca)

---

*Assessment:* Completed Projects:

1969	lake survey
1990	trap netting and contaminant sampling

---

### Synopsis

Echo Lake probably supported a brook trout population prior to the introduction of smallmouth bass. Bass compete with and prey on brook trout, usually resulting in marginalization or extirpation of the brook trout population.

# Lake Fact Sheet – Parry Sound District

## Echo Lake

Largemouth bass have become established more recently, probably through an intentional but unauthorized introduction.

Trap netting in 1990 found a healthy smallmouth bass population, with a range of size and age groups being present. The large areas of shallow littoral zone and considerable depth provide good habitat for this species.

The presence of bass populations and very limited of deep, cold-water habitat preclude stocking the lake with any trout species.

### Contact Information

---

<i>General Inquiry:</i>	Service Ontario, 207 Main St W Huntsville..... 705-789-4616 Natural Resources Information Centre ..... 1-800-667-1940 MNR Bracebridge Area Office ..... 705-645-8747 MNR internet:..... <a href="http://www.mnr.gov.on.ca">www.mnr.gov.on.ca</a>
<i>Fisheries Management:</i>	District Fisheries Management Biologist: ..... 705-646-5523 Sr. Fish and Wildlife Technician (Bracebridge) ... 705-646-5522 Invading Species Hotline ..... 1-800-563-7711
<i>Water Levels:</i>	Water Management Specialist..... 705-646-5531
<i>Crown Land Management (Work Permits, Leases, etc.):</i>	..... 705-645-8747
<i>Enforcement:</i>	TIPS Line: ..... 1-877-847-7667

---

### Bathymetry

The Ministry of Natural Resources has collected lake depth information for many lakes for fisheries management purposes. These maps are no longer being provided to the public. Maps of selected lakes, in the form of map books and outdoor guides, are available commercially through local outdoor product retailers.

Updated: March 2009

This information is supplied without expressed or implied warranty of any kind, including warranty of fitness for a particular purpose. In no event will the Ministry of Natural Resources be liable for any damages, whether incidental, consequential or direct in conjunction with, or arising from the furnishing or use of this information.