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Lake Fact Sheet – Parry Sound District

# Troutspawn Lake

Location	
<i>Official Name:</i> ..... Troutspawn Lake	<i>Local Names:</i> .....Big Trout Lake
<i>County/District:</i> .....Haliburton	<i>Geographic Twp:</i> ..... Livingstone
<i>Municipality:</i> ...Township of Algonquin Highlands	<i>MNR Admin. Area:</i> ..... Bracebridge
<i>Lat./Long:</i> .....45.397 N -78.760 W	<i>UTM (NAD83):</i> ..... 17 675301 5029487
<i>Topographic Map (1:50,000):</i> .....31E07	<i>Drainage Basin:</i> ..... Hollow River

Physical Features		
<i>Surface Area (ha):</i> .....108	<i>Maximum Depth (m):</i> ..... 13.7	<i>Mean Depth (m):</i> .....5.2
<i>Elevation (m asl):</i> .....409	<i>Perimeter (km):</i> .....7.4	<i>Island Shoreline (km):</i> ..... 0
<i>Volume (10<sup>4</sup> m<sup>3</sup>):</i> .....562	<i>Watershed (km<sup>2</sup>):</i> ..... 5.5 (excludes area of lake)	<i>Water Clarity:</i> .....

Land Use and Development	
<i>Crown Land (%):</i> ..... 60	<i>Provincial Parks:</i> ..... none
<i>Shoreline Development:</i>	Moderate; shoreline residential
<i>Access:</i>	Public launch with small parking area on Troutspawn Lake Road
<i>Water Level Management:</i>	Not regulated. Water level is controlled to some degree by road culvert at outlet

Fish Species	
<i>Major Fish Species:</i>	brook trout (R), yellow perch (I, ~2001)
<i>Other Fish Species:</i>	white sucker, brown bullhead, creek chub, bluntnose minnow, brook stickleback, common shiner, pearl dace, golden shiner, fathead minnow, pumpkinseed, northern redbelly dace
<i>Other Species:</i>	

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

<i>Fisheries Management Zone:</i> .....	15
<i>Designation for Lake Trout Management:</i> .....	not designated
<i>Fishing Regulation Exceptions:</i>	No lake-specific exceptions (2009)
<i>Current Stocking:</i>	Not stocked by MNR; stocked periodically with brook trout under private Licence to Stock Fish
<i>Historic Stocking (last year stocked):</i>	last MNR stocking: brook trout (1994)
<i>Contaminants:</i>	Fish have not been tested by MOE for their suitability for human consumption.
<i>Assessment:</i>	Completed Projects:
	1971 Lake survey
	1990- 93 Voluntary creel survey
	1992 Stocking assessment

### Synopsis

The lake was originally surveyed in 1960 and at the time the fish community included brook trout, common white sucker, pumpkinseed, brown bullhead, and common shiners. Its reputation for brook trout was very good and "recognized by guides and sport fisherman as an outstanding speckled trout water", dating back to the 1920's. A 1971 lake survey notes the addition of creek chub and northern redbelly dace along with a recommendation to "check for the presence of yellow perch". This comment suggests yellow perch may have been introduced prior to 1971, although notes from the survey confirm none were sampled at that time. A stocking assessment 1992 resulted in the capture of 22 brook trout, all of natural origin. At the time yellow perch were absent from the catch, but golden shiner and bluntnose minnow were new additions to the list of inhabiting fish species. The lake was subsequently removed from the stocking program due to the presence of a strong naturally reproducing population of brook trout.

The lake's potential to produce brook trout was severely diminished with the documented presence of yellow perch in 2001. This species impacts brook trout primarily through predation on young trout. Local residents have attempted to bolster the population by rearing trout at a lake-side incubation facility and stocking of commercially reared trout, through a Licence to Stock Fish. These efforts may supplement the catch-able population to some degree, but the native population has been marginalized permanently.

Updated: 2012

Refer to Lake Fact Sheet Interpretation document for explanation of content.

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