

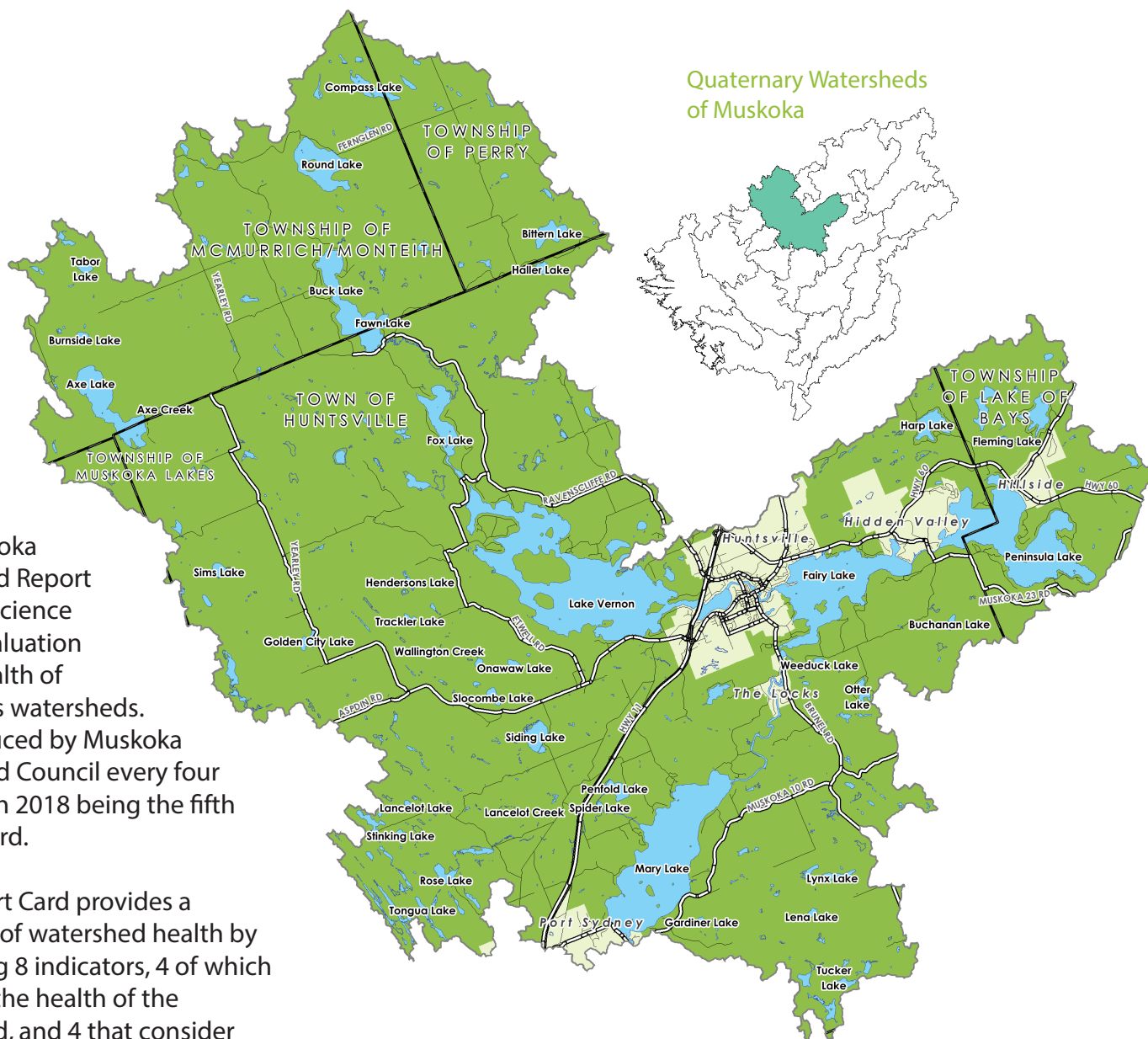


2018 Muskoka Watershed Report Card

Quaternary Watershed:

MARY LAKE

Quaternary Watersheds
of Muskoka



The Muskoka Watershed Report Card is a science based evaluation of the health of Muskoka's watersheds. It is produced by Muskoka Watershed Council every four years, with 2018 being the fifth Report Card.

The Report Card provides a snapshot of watershed health by evaluating 8 indicators, 4 of which measure the health of the watershed, and 4 that consider potential threats.

Mary Lake Watershed Stats:

Total Area (hectares)	Largest Lake	# of Lakes (over 8 hectares)	% Crown Land
66,344	Mary Lake (1,566 ha)	45	5
% Protected Area (provincial parks, crown nature reserves, local land trusts)			
# of Dams	% Wetland		
6	11	1	



Muskoka
WATERSHED COUNCIL

Dive deeper into the story map at www.muskokawatershed.org/reportcard-story-map

Total Phosphorous

Not Stressed



16/16 sampled lakes in the Mary Lake Watershed have steady phosphorous concentrations.

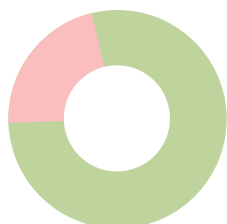
Benthic Macroinvertebrates

Typical

of Lakes Sampled: 15

20% Extremely Atypical

80% Typical



Invasive Species

Vulnerable

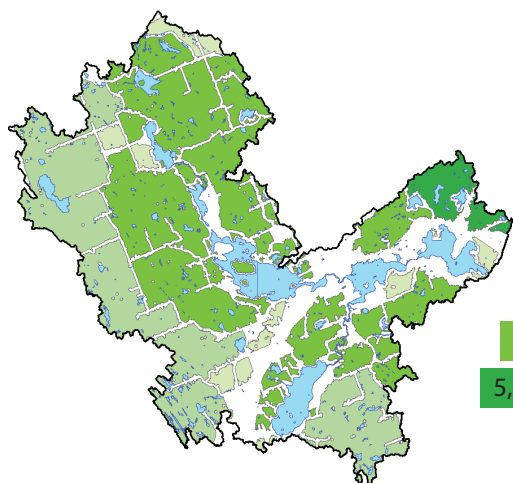
Invasive species reported in this watershed:

- Phragmites
- Giant Hogweed
- Japanese Knotweed
- Rainbow Smelt
- Rusty Cray Fish
- Spiny Waterflea



Fragmentation

Vulnerable



Size of Patches:

200 - 499 ha

500 - 4,999 ha

5,000 - 9,999 ha

10,000+ ha

74% OF LAND
IS NATURAL AREA

26% OF LAND
IS FRAGMENTED

Calcium

Not Stressed

10 Lakes **4 Lakes** **2 Lakes**

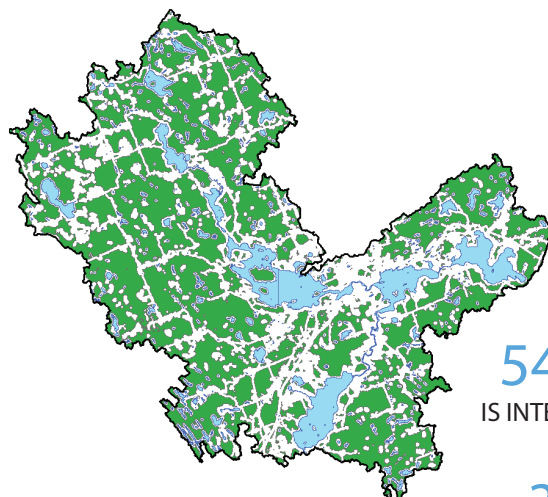
NOT STRESSED
(>2.0 mg/L)

VULNERABLE
($1.5-2$ mg/L)

STRESSED
(<1.5 mg/L)

Interior Forest

Not Stressed



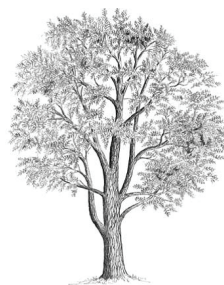
54% OF LAND
IS INTERIOR FOREST

32,826

HECTARES OF INTERIOR FOREST

Species At Risk

Not Graded



There are 46 species at risk in the Muskoka Watershed and the **Butternut Tree** is one of them!

Climate Change

Vulnerable

Lakes in Muskoka today have approximately **3 weeks** less winter ice cover than in 1975.

Summer water temperatures in Muskoka's lakes are **0.5 °C** warmer on average than in 1980.



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