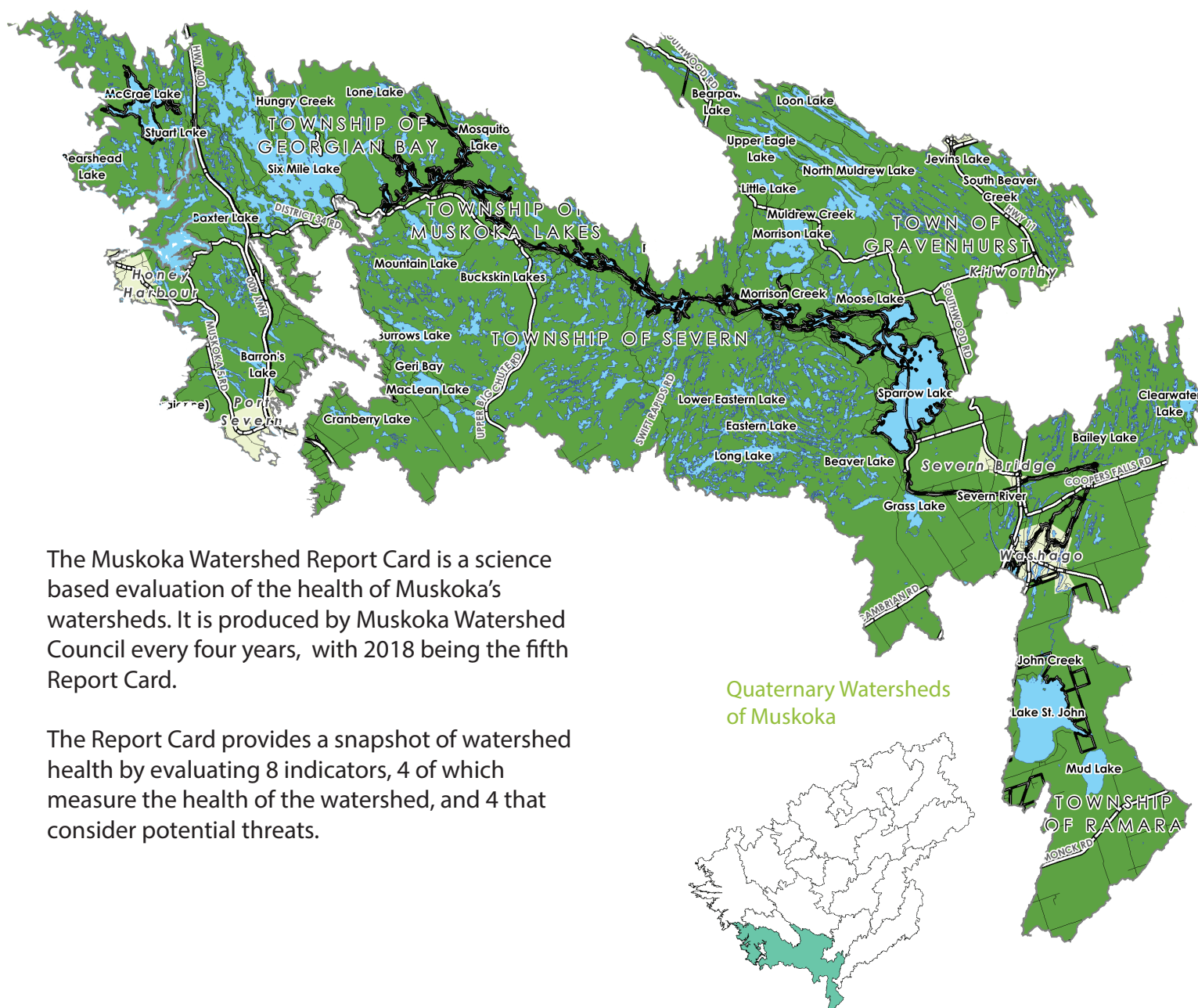




# 2018 Muskoka Watershed Report Card

## Quaternary Watershed: SEVERN RIVER



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.

### Rosseau River Watershed Stats:

| Total Area<br>(hectares) | Largest Lake             | # of Lakes<br>(over 8 hectares)  | % Crown Land |
|--------------------------|--------------------------|--|--------------|
| 70,112                   | Six Mile Lake (1,358 ha) | 18   | 56           |
| # of Dams                | % Wetland                | % Protected Area<br>(provincial parks, crown nature reserves, local land trusts) |              |
| 0                        | 18                       | 14   |              |



## Total Phosphorous

Not Stressed



15/16 sampled lakes in the Severn River Watershed have steady phosphorous concentrations.

## Calcium

Not Stressed

16 Lakes 0 Lakes 0 Lakes

NOT STRESSED  
( $>2.0$  mg/L)

VULNERABLE  
( $1.5-2$  mg/L)

STRESSED  
( $<1.5$  mg/L)

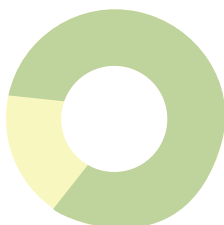
## Benthic Macroinvertebrates

Typical

# of Lakes Sampled: 6

83% Typical

17% Atypical

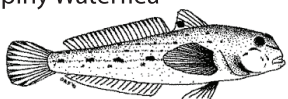


## Invasive Species

Stressed

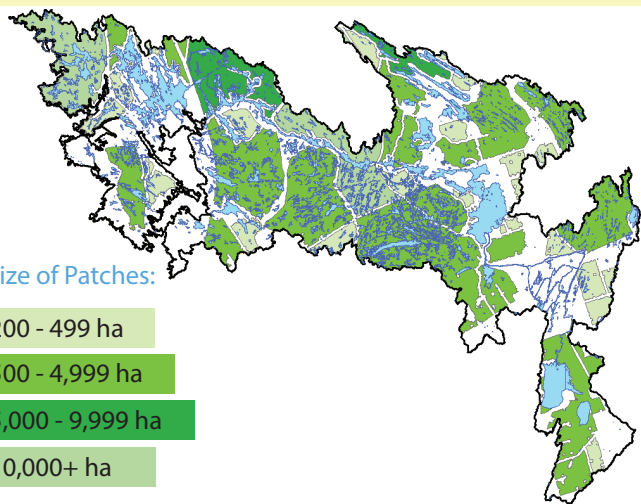
Invasive species reported in this watershed:

- Phragmites
- Purple Loosestrife
- Eurasian Water Milfoil
- Giant Hogweed
- Japanese Knotweed
- Round Goby
- Rusty Crayfish
- Spiny Waterflea



## Fragmentation

Vulnerable



Size of Patches:

200 - 499 ha

500 - 4,999 ha

5,000 - 9,999 ha

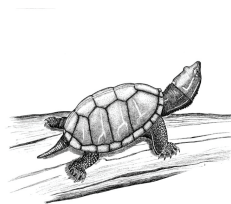
10,000+ ha

61% OF LAND  
IS NATURAL AREA

39% OF LAND  
IS FRAGMENTED

## Species At Risk

Not Graded



There are 46 species at risk in the Muskoka Watershed and the **Eastern Musk Turtle** 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.

