

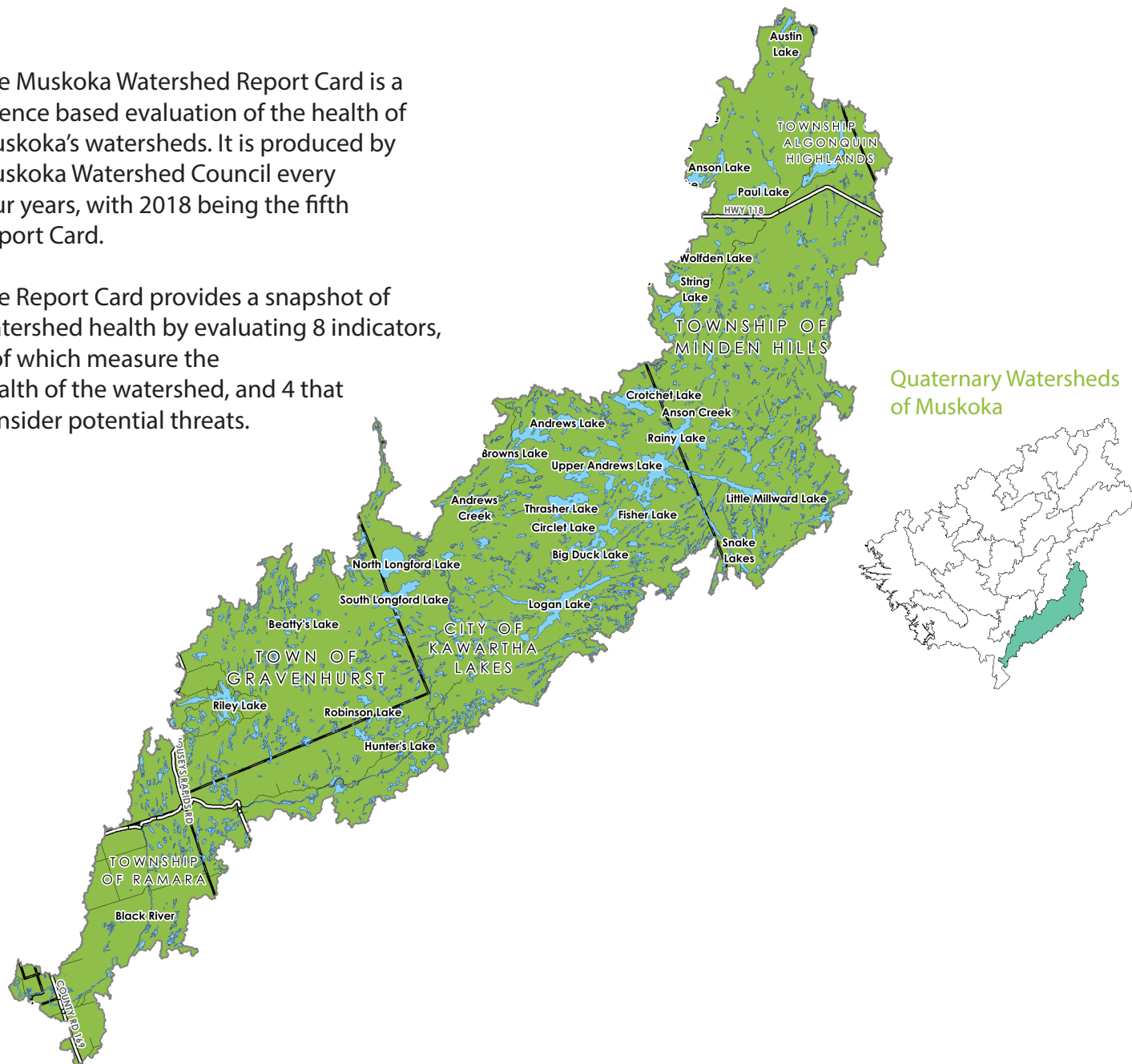


# 2018 Muskoka Watershed Report Card

## Quaternary Watershed: **LOWER BLACK 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.



### Lower Black River Watershed Stats:

Total Area (hectares)	Largest Lake	# of Lakes (over 8 hectares)	% Crown Land
50,816	Riley Lake (150 ha)	23	41
# of Dams	% Wetland	% Protected Area (provincial parks, crown nature reserves, local land trusts)	
0	10	49	



## Total Phosphorous

Insufficient Data



The 1 sampled lake in the Lower Black River Watershed has steady phosphorous concentrations. However, a minimum of 3 sampled lakes is required for a quaternary watershed grade.

## Benthic Macroinvertebrates

Insufficient Data

# of Lakes Sampled: 0

A minimum of 3 sampled lakes is required for a quaternary watershed grade.

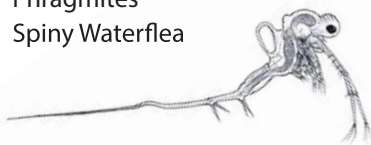


## Invasive Species

Not Stressed

Invasive species reported in this watershed:

- Phragmites
- Spiny Waterflea



## Fragmentation

Vulnerable

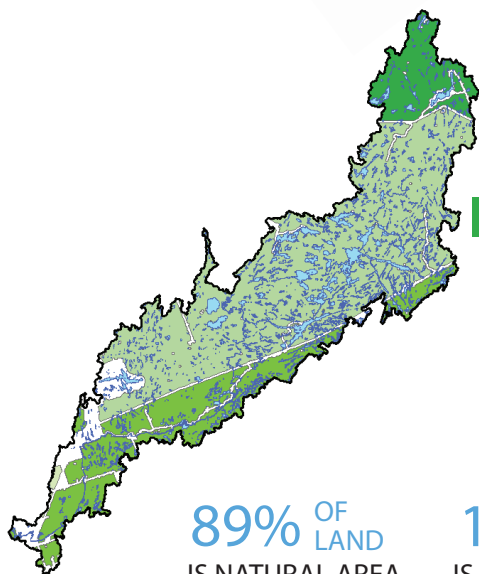
Size of Patches:

200 - 499 ha

500 - 4,999 ha

5,000 - 9,999 ha

10,000+ ha



**89%** OF LAND  
IS NATURAL AREA

**11%** OF LAND  
IS FRAGMENTED

## Calcium

Insufficient Data

**1 Lake**

NOT STRESSED  
( $>2.0$  mg/L)

**0 Lakes**

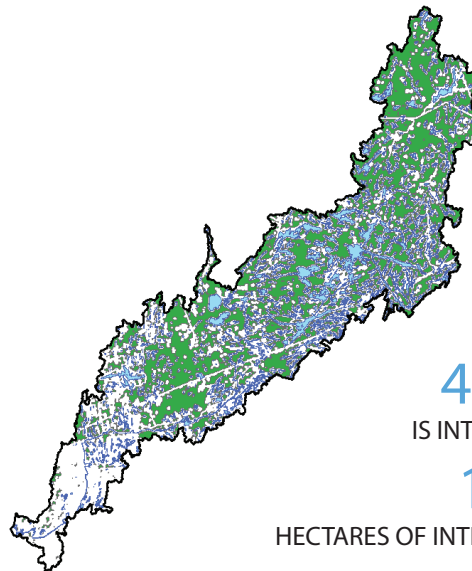
VULNERABLE  
( $1.5-2$  mg/L)

**0 Lakes**

STRESSED  
( $<1.5$  mg/L)

## Interior Forest

Vulnerable

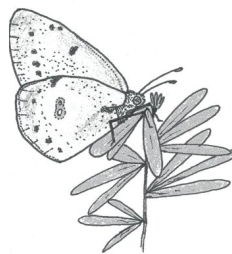


**40%** OF LAND  
IS INTERIOR FOREST

**18,287**  
HECTARES OF INTERIOR FOREST

## Species At Risk

Not Graded



There are 46 species at risk in the Muskoka Watershed and the **West Virginia White Butterfly** 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.

