

Broad-scale Fisheries Monitoring Bulletin

BUCKSHOT LAKE - FMZ 18 - 2018-2022

**Buckshot Lake facts**

Location: MILLER

Surface area: 441 hectares

Maximum depth: 33.5 metres

Average depth: 9.1 metres

Water clarity: 3.9 metres

**Monitoring activities**

Fish netting - yes

Fish contaminants - yes

Zooplankton - yes

Water chemistry - yes

Bathymetry - no

Water temperature/dissolved oxygen - yes

Aquatic invasive species - yes

**Netting summary**

Netting period(s): June 24 to June 28 2019

Number of net sets: 26

Number of fish species caught: 12

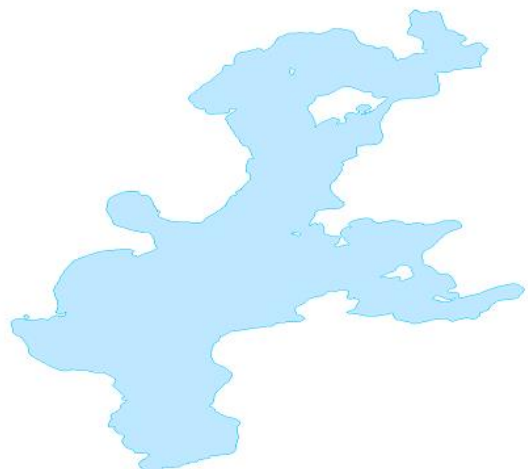


Figure 1. Outline of Buckshot Lake




Figure 2. Map of Ontario with FMZ 18 highlighted

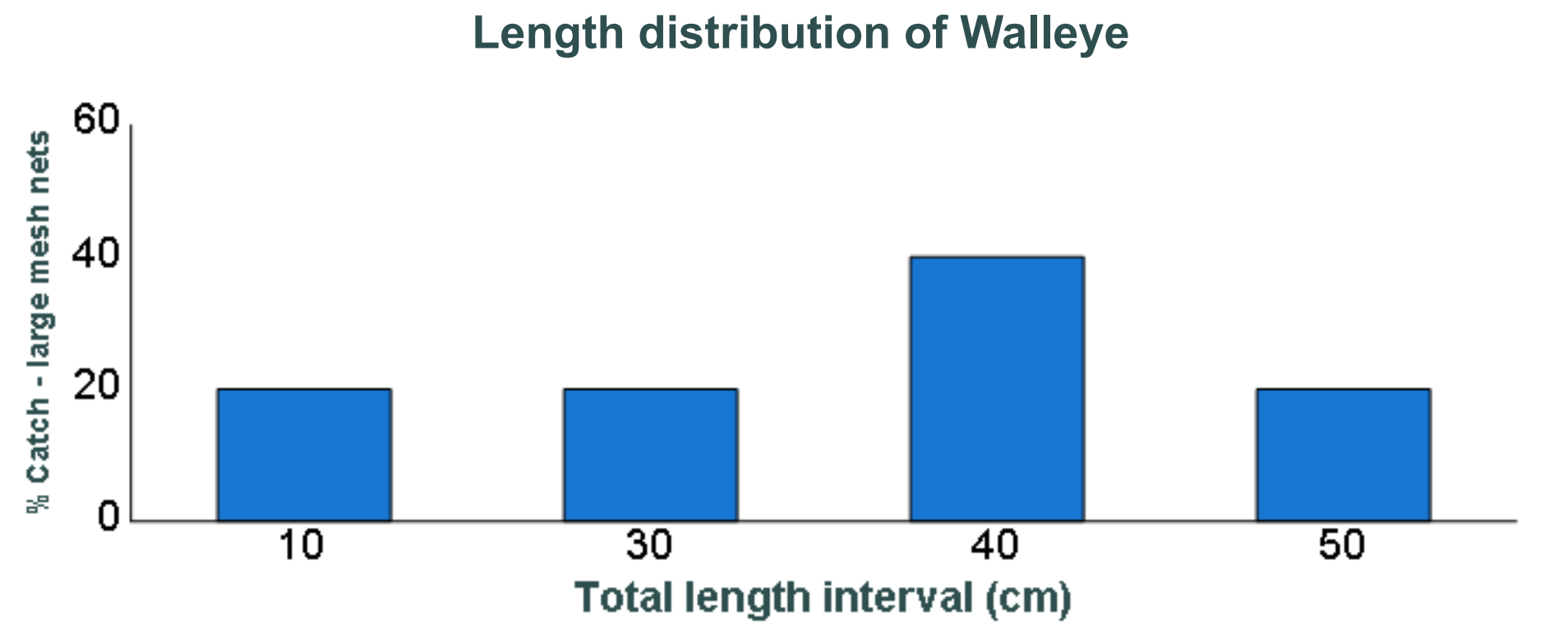
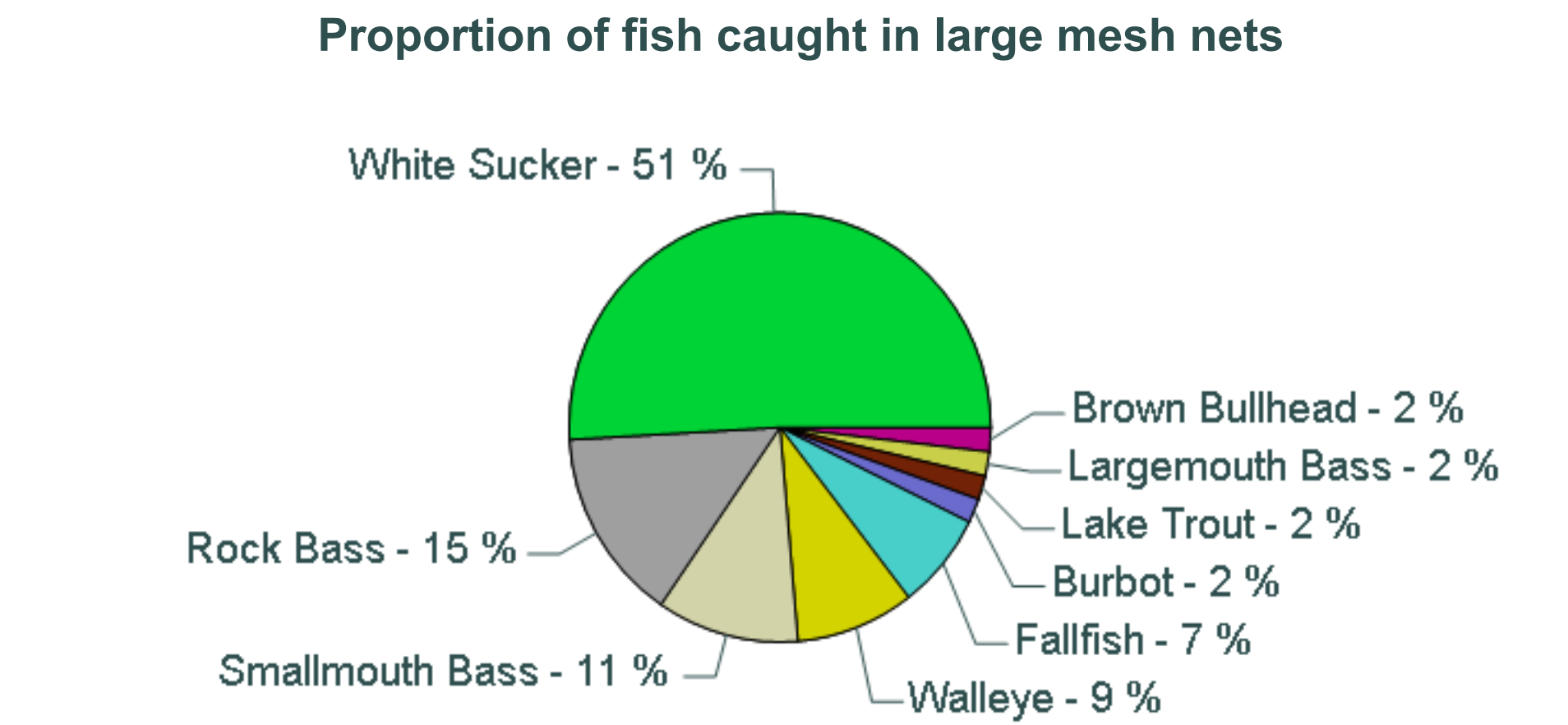
**About Broad-scale Fisheries Monitoring**

The Broad-scale Fisheries Monitoring program collects information from representative lakes in fisheries management zones across the province to help biologists manage our fisheries effectively. This bulletin provides a snapshot of recent monitoring activities and netting results. The sampling approach allows us to measure and evaluate the health of Ontario’s lakes and their fish communities, and track changes through time over broad areas of Ontario. To learn more about the sampling program visit [Methods for monitoring fish populations](#).

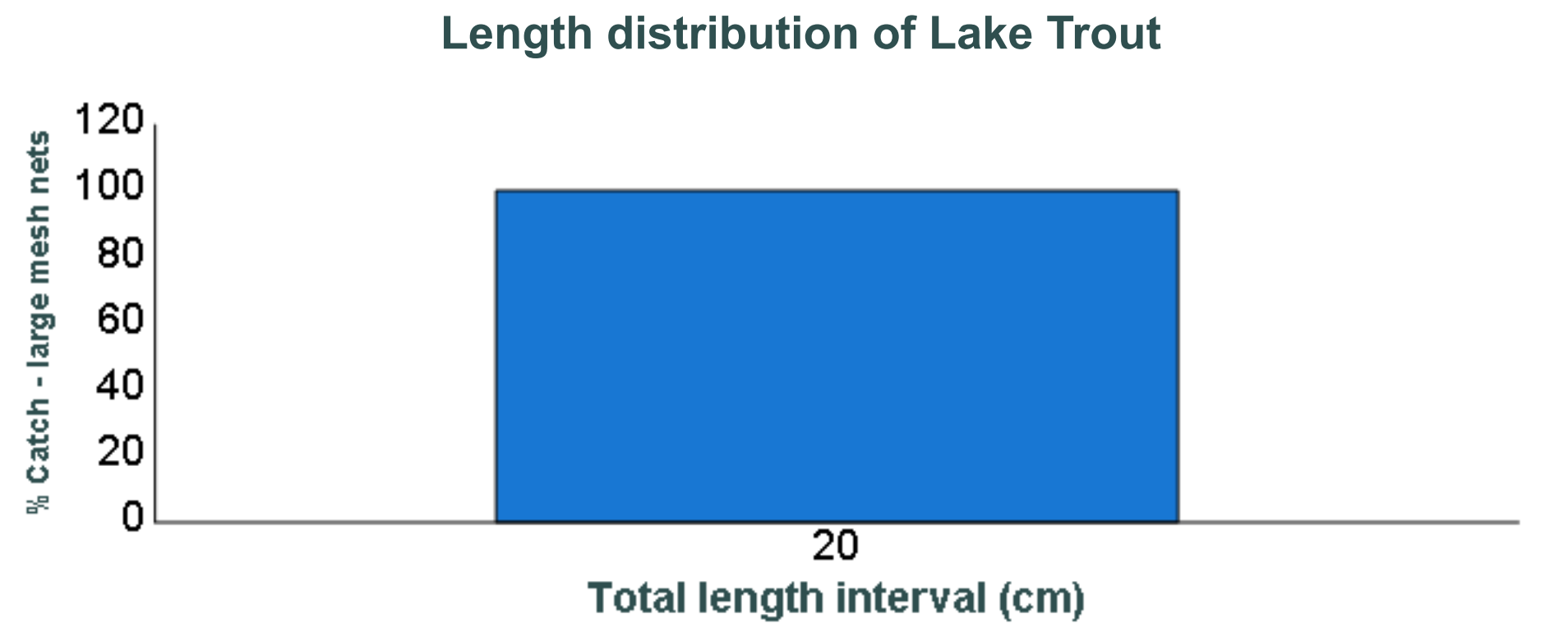
**Fish netting results**

Fish populations were surveyed using large and small mesh nets to provide information on fish species present and their characteristics, such as growth, age, and abundance. The catch data (depicted in the chart below) show that 9 species were surveyed in large mesh nets. Additional fish species observed in small mesh nets were Pumpkinseed, Slimy Sculpin, and Yellow Perch.

Fish species	Total catch %	Maximum length (cm)	Minimum length (cm)	Average length (cm)
White Sucker	51	52.0	36.1	46.5
Rock Bass	15	18.4	13.4	15.6
Smallmouth Bass	11	46.5	29.9	40.2
Walleye	9	53.1	19.4	37.5
Fallfish	7	37.2	23.3	27.0
Burbot	2	51.9	51.9	51.9
Lake Trout	2	26.6	26.6	26.6
Largemouth Bass	2	28.5	28.5	28.5
Brown Bullhead	2	34.6	34.6	34.6



Catch results are presented in 10-cm length intervals, labelled with the lower limit (e.g., the "20 cm" interval represents fish between 20 cm and 29 cm). The size of Walleye ranged from 19 to 53 cm.



Catch results are presented in 10-cm length intervals, labelled with the lower limit (e.g., the "20 cm" interval represents fish between 20 cm and 29 cm). The size of Lake Trout ranged from 26 to 26 cm.

**Water chemistry and temperature**

Not available

**Aquatic invasive species**

Field crews searched for aquatic invasive species. Zooplankton samples are being processed to determine if any new invasive species are present. Any species new to Ontario or an invasive species that is a new record for a waterbody is reported to the Invading Species Hotline ([www.invadingspecies.com](http://www.invadingspecies.com)).

**Fish contaminants**

Levels of contaminants in fish flesh (e.g., mercury, PCB’s, mirex, organochlorine pesticides, and other organic chemicals) will be reported in: [The Guide to Eating Ontario Sport Fish](#).

We are committed to providing [accessible customer service](#). For alternate formats, communications supports, or more information, please contact the Ministry of Natural Resources and Forestry at 1-800-667-1940 (TTY phone number: 1-866-686-6072), send an email to [mnr.nric.mnr@ontario.ca](mailto:mnr.nric.mnr@ontario.ca), or visit [ontario.ca/fishing](http://ontario.ca/fishing).