

# Broad-scale Fisheries Monitoring Program Bulletin

## WHITE LAKE - FMZ 18 - 2018-2022

### White Lake facts

Location: DARLING  
 Surface area: 2365 ha  
 Maximum depth: 9.1 m  
 Average depth: 2.1 m  
 Water clarity: 4.9 m



### Monitoring activities

- Fish netting
- Fish contaminants
- Zooplankton
- Water chemistry
- Bathymetry
- Water temperature/dissolved oxygen
- Aquatic invasive species



### Netting summary

Netting period: Aug 26 to Sep 5 2019  
 Number of nets set: 34  
 Number of fish species caught: 11

### Fish netting results

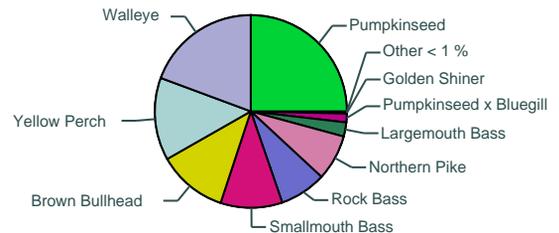
Fish populations were surveyed using large and small mesh nets to provide information on fish species present and their characteristics, such as growth, age, and abundance. The catch data (depicted in the chart below) show that 11 species were surveyed in large mesh nets. No additional fish species were observed in small mesh nets.

Fish species	Total catch %	Maximum length (cm)	Minimum length (cm)	Average length (cm)
Pumpkinseed	25	34.1	1.2	20.7
Walleye	19	63.8	24.1	40.7
Yellow Perch	14	34.9	13.3	22.0
Brown Bullhead	12	37.8	23.5	33.1
Smallmouth Bass	10	46.2	12.6	33.3
Rock Bass	8	23.1	9.8	15.4
Northern Pike	8	66.5	33.6	51.2
Largemouth Bass	2	38.9	11.4	27.5
Pumpkinseed x	1	22.4	20.4	21.3
Golden Shiner	< 1	15.9	15.9	15.9
White Sucker	< 1	49.8	49.8	49.8

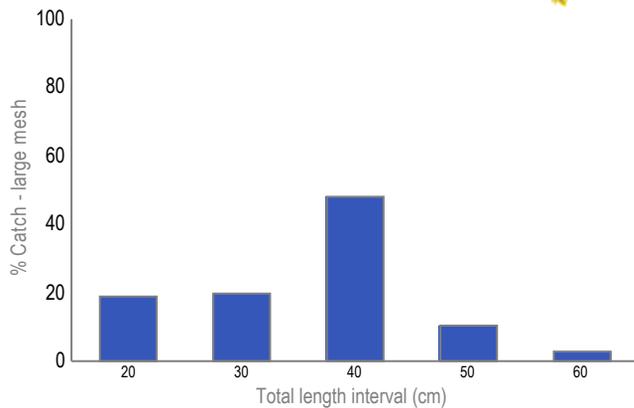
### About Broad-scale Fisheries Monitoring

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](#).

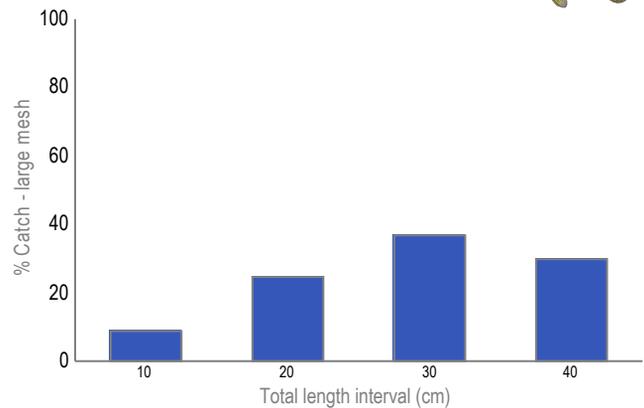
### Proportion of fish caught in large mesh nets



## Length distribution of Walleye



## Length distribution of Smallmouth Bass



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 24 to 63 cm and the size of Smallmouth Bass ranged from 12 to 46 cm in large mesh nets.

## Water chemistry and temperature

Not available

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## 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.invasivespecies.com](http://www.invasivespecies.com)).

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## 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](#).

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For more information please contact Ministry of Natural Resources and Forestry at 1-800-667-1940, send an email to [mnr.nric.mnr@ontario.ca](mailto:mnr.nric.mnr@ontario.ca), or visit [www.ontario.ca/fishing](http://www.ontario.ca/fishing).