

# Broad-scale Fisheries Monitoring Bulletin

## WHITE LAKE - ZONE 18

### White Lake Facts

Township(s): Bagot and McNab and Darling

Surface Area: 2369 ha

Maximum Depth: 9.2 m

Average Depth: 3.1 m

Water Clarity: 3.8 m



### Monitoring Activities

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



### Netting Summary

Netting period: July 28 - August 07, 2008

Number of net sets: 31

Number of fish species caught: 12

### 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 below show that 11 species were surveyed in large mesh nets. Additional fish species observed in small mesh nets was Bluntnose Minnow.

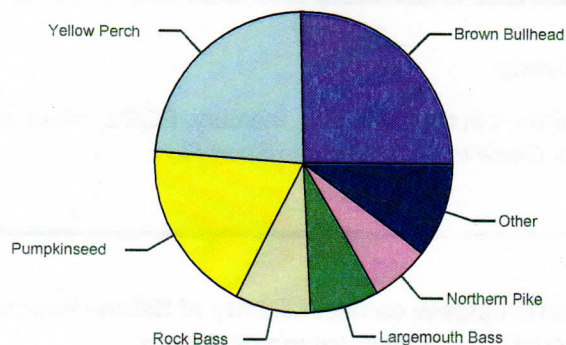
Fish species	Total Catch %	Maximum Length cm	Minimum Length cm	Average Length cm
Brown Bullhead	25	40.0	14.0	29.9
Yellow Perch	23	29.0	13.0	19.8
Pumpkinseed	19	23.0	7.0	19.3
Rock Bass	8	22.0	6.0	15.2
Largemouth Bass	7	45.0	15.0	28.3
Northern Pike	6	67.0	17.0	45.9
Walleye	6	67.0	16.0	41.4
Smallmouth Bass	2	45.0	15.0	31.7
White Sucker	2	59.0	16.0	46.2
Bluegill	< 1	23.0	22.0	22.3
Golden Shiner	< 1	16.0	16.0	16.0

### About the Program

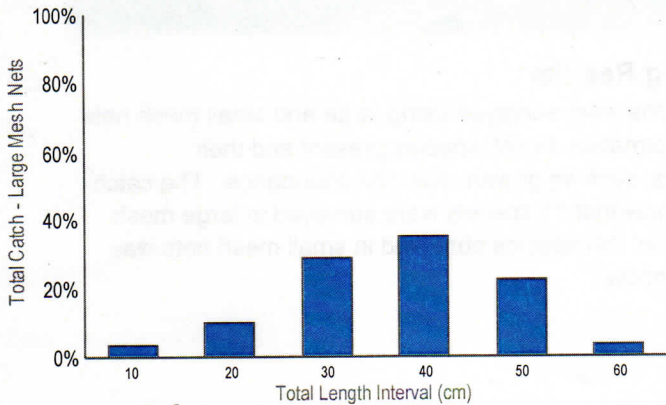
The Broad-scale Monitoring Program provides information for managing our fisheries effectively. This bulletin provides a snapshot of the recent monitoring activities and netting results. Netting is conducted using large and small mesh nets to understand the characteristics of fish communities in a lake. Large mesh nets contribute information about fish species and small mesh nets describe the fish community.

To learn more about the sampling program visit [Fish Ontario: Monitoring and State of the Resource Reporting](#).

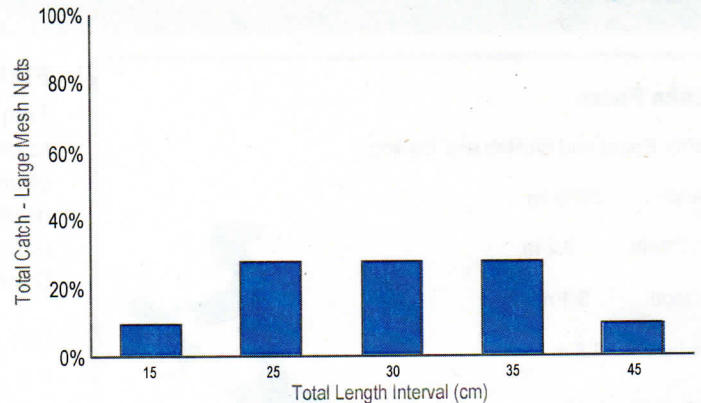
### Proportion of Fish Caught in Large Mesh Nets



## Length Distribution of Walleye



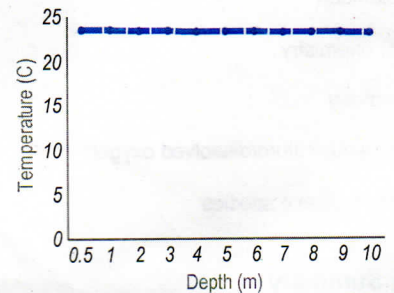
## Length Distribution of Smallmouth Bass



The size of Walleye ranged from 16.0 to 67.0 cm and the size of Smallmouth Bass ranged from 15.0 to 45.0 cm in large mesh nets.

## Water Chemistry and Temperature

Water samples were collected in May 2008 and sent to the Ministry of Environment for analysis. Water temperature, oxygen levels and water transparency were measured in July 2008. The graph shows the temperature of White Lake with increasing depth. The temperature at the surface was 23.5 °C and declined to 23.1 °C at the bottom of the lake.



## Aquatic Invasive Species

Aquatic invasive species were monitored by field crews. Spiny water flea were observed during monitoring. Samples are currently being processed to determine if any more new invasive species were detected through this sampling program. 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*.

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

[ontario.ca/fishing](http://ontario.ca/fishing)