

Broad-scale Fisheries Monitoring Bulletin

BUCKSHOT LAKE - ZONE 18

Buckshot Lake Facts

Township(s): Miller

Surface Area: 442 ha

Maximum Depth: 29.0 m

Average Depth: 9.7 m

Water Clarity: 6.5 m

Monitoring Activities

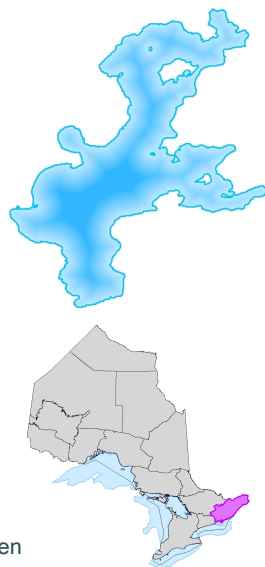
- ☒ Fish netting
- ☒ Fish contaminants
- ☒ Zooplankton
- ☒ Water chemistry
- ☐ Bathymetry
- ☒ Water temperature/dissolved oxygen
- ☒ Aquatic invasive species

Netting Summary

Netting period: July 16-21, 2008

Number of net sets: 22

Number of fish species caught: 12



Fish Netting Results

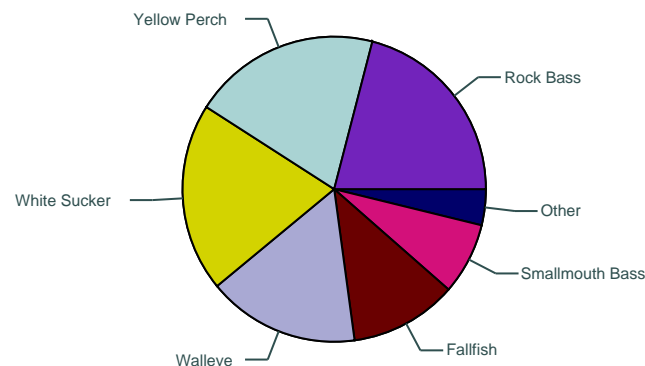
Fish populations were surveyed using large and small mesh nets to provide information on fish species present and their characteristics, such as growth, age and abundance. The catch data below show that 9 species were surveyed in large mesh nets. Additional fish species observed in small mesh nets were Bluegill, Golden Shiner and Pumpkinseed.

| Fish species | Total Catch % | Maximum Length cm | Minimum Length cm | Average Length cm |
|-----------------|---------------|-------------------|-------------------|-------------------|
| Rock Bass | 21 | 19.2 | 9.8 | 14.4 |
| Yellow Perch | 20 | 22.1 | 15.3 | 16.9 |
| White Sucker | 20 | 51.5 | 32.2 | 43.6 |
| Walleye | 16 | 45.8 | 24.9 | 37.5 |
| Fallfish | 11 | 33.6 | 17.7 | 24.5 |
| Smallmouth Bass | 8 | 43.3 | 19.5 | 34.8 |
| Lake Trout | 2 | 64.9 | 55.1 | 60.0 |
| Largemouth Bass | < 1 | 24.0 | 24.0 | 24.0 |
| Brown Bullhead | < 1 | 30.1 | 30.1 | 30.1 |

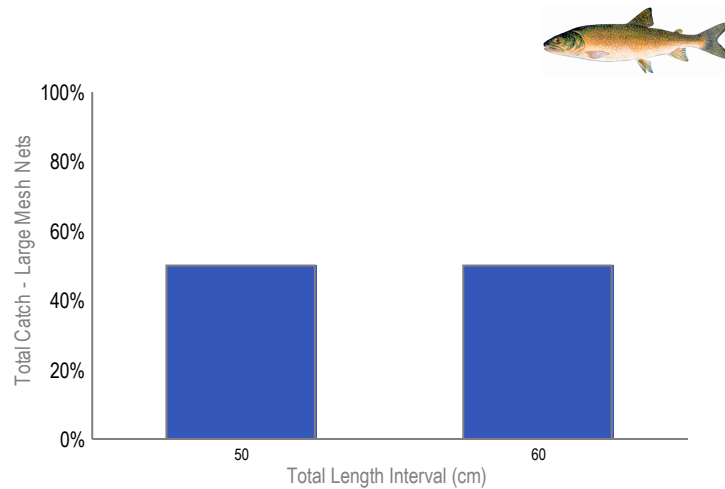
About the Program

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](http://fish.ontario.ca/monitoring).

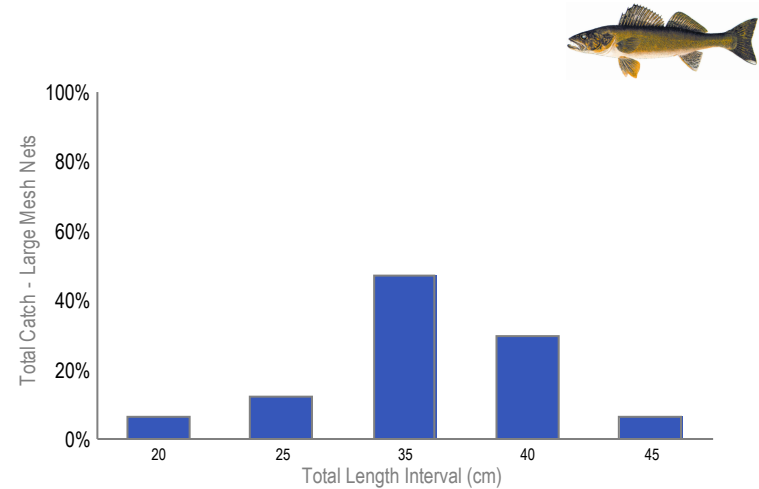
Proportion of Fish Caught in Large Mesh Nets



Length Distribution of Lake Trout



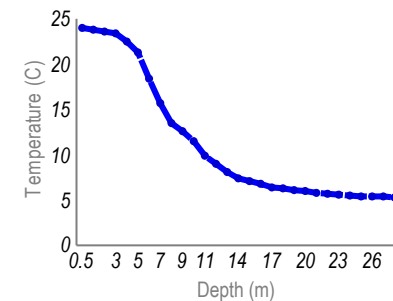
Length Distribution of Walleye



The size of Lake Trout ranged from 55.1 to 64.9 cm and the size of Walleye ranged from 24.9 to 45.8 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 Buckshot Lake with increasing depth. The temperature at the surface was 24 °C and declined to 5.3 °C at the bottom of the lake.



Aquatic Invasive Species

Aquatic invasive species were monitored by field crews. 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).

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 or visit ontario.ca/fishing.

ontario.ca/fishing