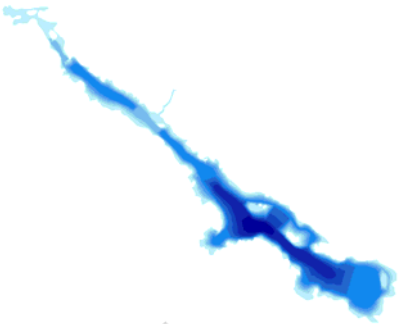
Broad-scale Monitoring Bulletin
GIROUX LAKE – ZONE 15

Giroux Lake Facts



District of Parry Sound

Surface Area: 120 ha

Maximum Depth: 6 m

Average Depth: 3 m

Water Clarity: 1.8 m



Monitoring Activities

- ✓ Fish netting
- ✓ Fish contaminants
- ✓ Zooplankton
- ✓ Water chemistry
- ✓ Bathymetry
- ✓ Water temperature/dissolved oxygen
- ✓ Invasive Species

Netting Summary

Netting dates: August 2 – 4, 2011

Netting days: 3

Number of net sets: 17

Number of fish species caught: 8

Fish Netting Results

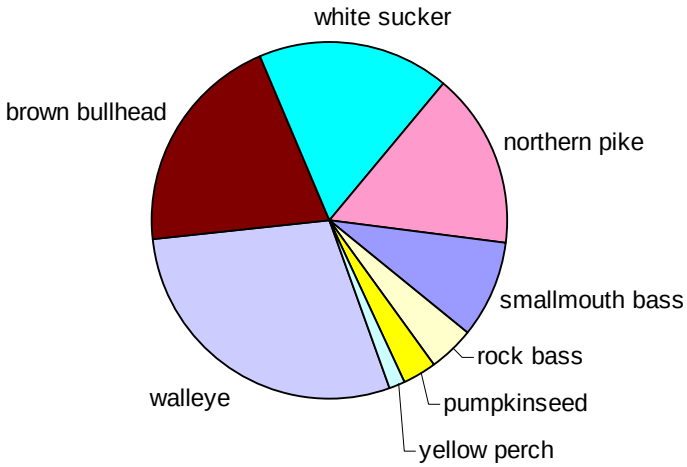
Fish populations were surveyed using large and small mesh nets to provide information on fish species present and their characteristics, such as growth, age and abundance. The catch data below show that 8 species were surveyed in large mesh nets. There were no additional fish species observed in small mesh nets.

Fish species	Total Catch %	Maximum Length cm	Minimum Length cm	Average Length cm
walleye	29	53.8	20.4	41.8
brown bullhead	20	32.1	22.4	28.4
white sucker	17	52.8	30.1	42.8
northern pike	16	50.7	42.8	46.8
smallmouth bass	9	44.6	40.5	42.5
rock bass	4	18.2	12.0	14.9
pumpkinseed	3	13.6	10.0	11.8
yellow perch	2	27.1	27.1	27.1

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. Large mesh nets contribute information about fish species and small mesh nets describe the fish community. To learn more about the sampling program read *Broad-scale Monitoring Program: Monitoring the Health of Ontario Inland Lakes* or visit ontario.ca/fishing.

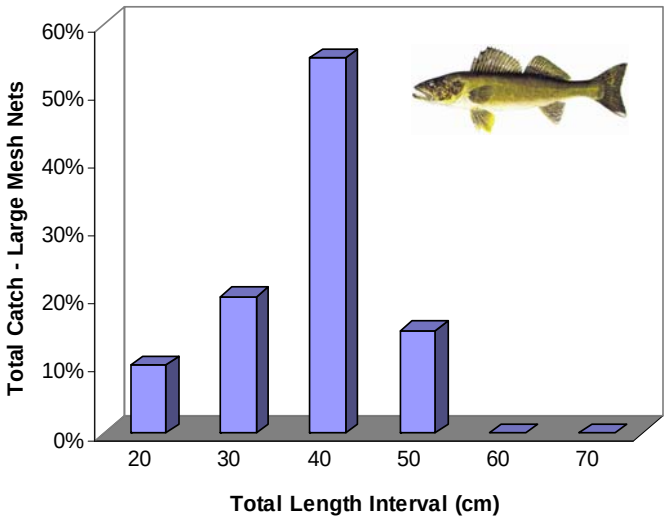
Proportion of Fish Caught in Large Mesh Nets



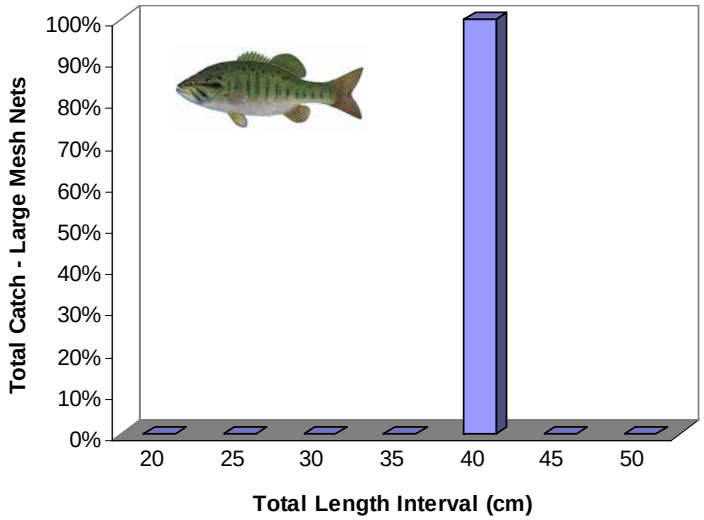
ontario.ca/fishing

Ontario

Length Distribution of Walleye



Length Distribution of Smallmouth Bass



20 cm = 20 to 25 cm, 25 cm = 25 to 30 cm, etc.

The size of walleye ranged from 20 to 54 cm (from a total of 20 fish) and the size of smallmouth bass ranged from 41 to 45 cm (from a total of 6 fish) in large mesh nets.

Water Chemistry and Temperature

Water samples were collected in May 2011 and sent to the Ministry of Environment for analysis. Water temperature, oxygen levels and water transparency were measured in 2011. Giroux Lake is considered a cool-water lake that can support cool and warm-water fish species such as walleye, northern pike and smallmouth bass.

Invasive Species

Invasive species were monitored using plankton nets and observations made by field crews. Historically, there have been no reported occurrences of invasive species in Giroux Lake. Samples are currently being processed to determine if any 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 Sport Fishing in Ontario* or visit ontario.ca/fishguide.

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.