

A/OFRC PROJECT UPDATE WASAUKSING FIRST NATION

November 2015

THREE MILE LAKE BROAD SCALE MONITORING

INTRODUCTION

The Anishinabek / Ontario Fisheries Resource Centre, in partnership with Wasauksing First Nation, conducted a Broad Scale Monitoring (BSM) project on Three Mile Lake, located on Parry Island. This project took place from August 15-17, 2015. The purpose of a BSM is to gain an understanding of abundance of fish species.

METHODS

A total of 20 overnight net sets composed of eight 25 foot small mesh BSM gill nets and twelve 50 foot large mesh BSM gill nets were set. A temperature and dissolved oxygen profile was made using a Dissolved Oxygen Meter by lowering a sensor down in 1 m increments and recording the temperature and



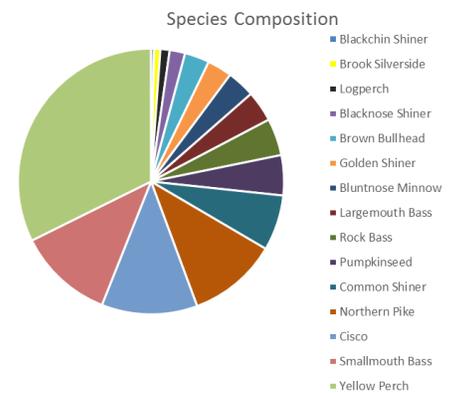
A/OFRC Fisheries Intern, Lucas Beaver, weighs a Smallmouth Bass captured in a gill net

dissolved oxygen until the bottom is reached.

RESULTS

A total of 266 fish were captured representing 15 species was achieved for this project. The most abundant fish was the Yellow Perch, with 86 individuals being captured. Other fish captured included Smallmouth Bass (31), Cisco (31), Northern Pike (29), Common Shiner (18), Pumpkinseed (13), Rock Bass (12), Largemouth Bass (10), Bluntnose Minnow (9), Golden

Shiner (8), Brown Bullhead (8), Blacknose Shiner (5), Logperch (3), Brook Silverside (2), and Blackchin Shiner (1). Two unexpected finds were the Ciscoes and Brook Silversides, the latter of which are near the northern extent of their range.



CONCLUSION

It was observed that many Smallmouth Bass, Northern Pike, and Yellow Perch were infected with black spot disease, which appears as small black dots on the surface of the fish. *Although it is unsightly, black spot disease is not transmissible to humans, and does not affect the overall quality or taste of the meat.* This data, along with the data collected in 2014 during a habitat assessment of Three Mile Lake, will be analyzed in a full technical report, along with a proposed fisheries management plan for 2016.

A special miigwech goes out to Chuck Baker for his assistance in the field.



Ciscoes captured in BSM nets on Three Mile Lake



Brook Stickleback captured in Three Mile Lake



For more information on this or other fisheries projects please contact:

Anishinabek/Ontario Fisheries Resource Centre
755 Wallace Road Unit #5 North Bay, ON P1A 0E7

phone: (705) 472-7888 fax: (705) 472-6333 website: www.aofrc.org email: aofrc@aofrc.org