



**WISCONSIN DNR
FISHERIES INFORMATION SHEET**

LAKE: GEORGE

COUNTY: ONEIDA

YEAR: 2010

The Department of Natural Resources surveyed George Lake, Oneida County, from April 1 through June 2, 2010, to determine the health of its fishery. The survey was designed to take a comprehensive look at the lake's fishery. George Lake is a drainage lake with chiefly sand substrate and a moderate-density walleye population. It has a surface area of 435 acres, 5.5 miles of shoreline and a maximum depth of 26 feet.

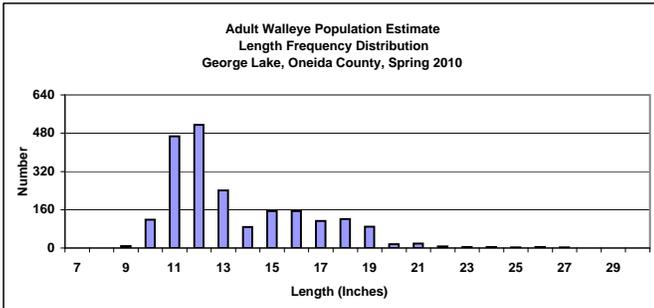


Figure 1. Length frequency distribution of 2,127 adult* walleye estimated to be in George Lake, Oneida County, based on a spring 2010 survey.

* Note: Adult walleye are defined as all sexable walleye and walleye of unknown sex \geq 15 inches long.

Walleye

We conducted a mark-recapture survey of George Lake's adult* walleye population from April 1-7, 2010. We captured and marked (fin clipped) 478 adult walleye in seven days of fyke netting. A crew sampled George Lake with an electro-fishing boat on April 7th and captured 92 adult walleye. Nearly 22% (20 of 92) of those walleye bore the fin clip given during fyke netting.

Based on those results, we estimated that George Lake was inhabited by 2,127 adult walleye (4.9/acre). Approximately 37% (778 of 2,127) of adult walleye were 14 inches long or larger. The largest walleye we captured was a 27.2-inch female.

Smallmouth Bass

We also completed a mark-recapture survey of George Lake's smallmouth bass population from April 1 through June 2, 2010. We captured and marked 102 smallmouth bass through May 25th. An electro-fishing crew captured 19 smallmouth bass on June 2nd. Approximately 42% (8 of 19) of those smallmouth had been marked (fin clipped) in previous sampling.

From those results, we estimated that 226 smallmouth bass, 8-inches or larger, inhabited George Lake. Approximately 49% (111 of 226) of those smallmouth were 14 inches long or larger. The largest smallmouth we captured was 20.2 inches long.

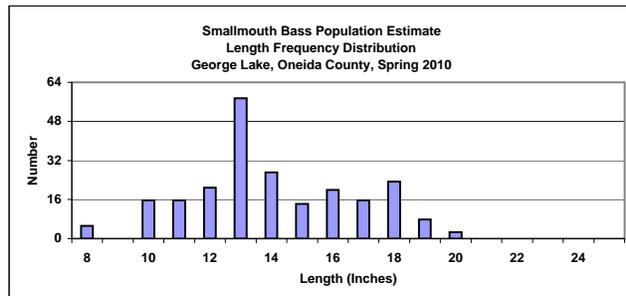


Figure 2. Length frequency distribution of 226 smallmouth bass \geq 8" estimated to be in George Lake, Oneida County, based on a spring 2010 survey.

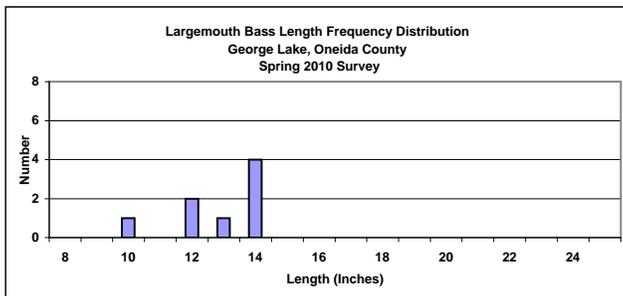


Figure 3. Length frequency distribution of eight largemouth bass \geq 8" captured during a fisheries survey of George Lake, Oneida County, in spring 2010.

Largemouth Bass

We have captured eight largemouth bass, 8 inches or larger, during our fyke netting and electro-fishing sampling of George Lake. Four of those largemouth bass were 14 inches long or larger. The biggest largemouth bass we captured was 14.4 inches long.

Northern Pike

We captured 72 adult* northern pike in fyke nets fished in George Lake from April 1-7, 2010. Nearly 24% (17 of 72) of adult northern pike we captured were larger than 26 inches long. The largest northern pike we captured was a 34.7-inch female.

* Note: Adult northern pike are defined as all sexable northern pike and northern pike of unknown sex \geq 12 inches long.

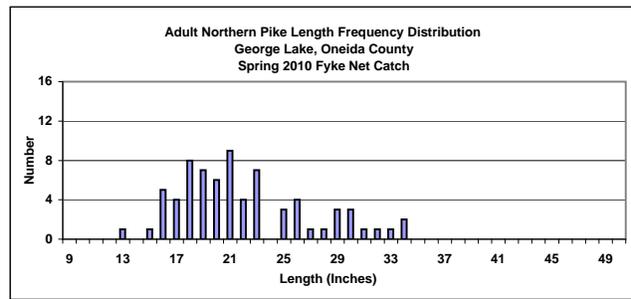


Figure 4. Length frequency distribution of 72 adult* northern pike captured in fyke nets during a fisheries survey of George Lake, Oneida County, in spring 2010.

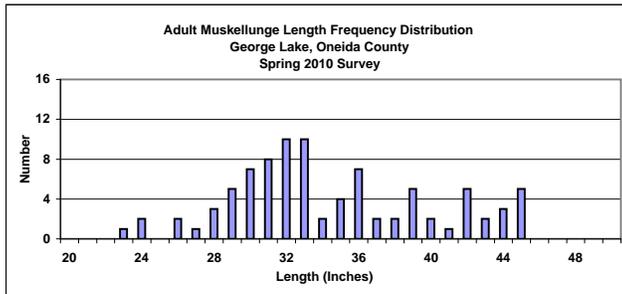


Figure 5. Length frequency distribution of 89 adult* muskellunge captured during a fisheries survey of George Lake, Oneida County, in spring 2010.

Muskellunge

We captured 89 adult* muskellunge during our fyke netting and electro-fishing sampling of George Lake. Nearly 45% of the adult muskellunge (40 of 89) we captured were 34 inches long or larger. Roughly one in five muskellunge (18 of 89) were 40 inches long or larger. The largest muskellunge we captured was a 45.8-inch female.

* Note: Adult muskellunge are defined as all sexable muskellunge and muskellunge of unknown sex \geq 20 inches long.

Other Species

We captured 11 species of fish in our fyke netting and electro-fishing sampling of George Lake in addition to the game fish mentioned above. Yellow perch were common in our fyke net catches. We also caught black crappie, bluegill, burbot, common shiner, golden shiner, mimic shiner, pumpkinseed, rock bass, white sucker and yellow bullhead. In-water sampling will conclude with a survey of young-of-year walleye in fall 2010.

We are also conducting a creel (angler harvest) survey on George Lake this year. Creel clerk Jason Halverson will count and interview anglers and examine their catch throughout the 2010 open-water fishing season.

Table 1. General Fishing Regulations for George Lake, Oneida County, 2010

FISH SPECIES	OPEN SEASON	DAILY LIMIT	MINIMUM LENGTH
Walleye	May 1 - March 6	3	No minimum, only one over 14"
Largemouth and Smallmouth Bass	May 1 - June 18 (C&R) June 19 - March 6 (Harvest)	None 5 in total	14 inches
Muskellunge	May 29 - Nov. 30	1	34 inches
Northern Pike	May 1 - March 6	5	None

A brief summary of selected fishing regulations for George Lake is included above (Table 1). While the regulatory information provided was current at the time the surveys were conducted, it is not comprehensive and should not be used as a substitute for the current fishing regulation pamphlet. You may obtain a copy of current fishing regulations when you purchase your fishing license, or download a copy from our web site at:

<http://www.dnr.wi.gov/fish/regulations/>

This report is interim only; data and findings should not be considered final. Results of creel surveys should be available by June 2011. Spring survey and creel survey summaries will be posted at:

<http://dnr.wi.gov/fish/nor/northern.html>

or contact:

Mike Coshun, Treaty Fisheries Biologist
Wisconsin Department of Natural Resources
8770 Highway J
Woodruff, WI 54568
(715) 356-5211 Ext. 209
Email: Michael.Coshun@dnr.state.wi.us

For answers to questions about fisheries management activities and plans for George Lake, Oneida County, contact:

John Kubisiak, Fisheries Biologist
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhineland, WI 54501
(715) 365-8919
Email: JohnF1.Kubisiak@Wisconsin.gov