



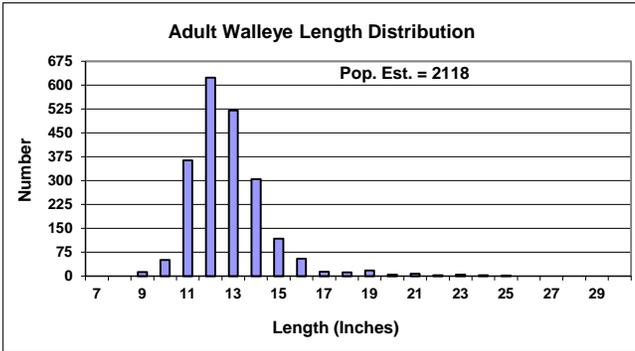
**WISCONSIN DNR
FISHERIES INFORMATION SHEET**

LAKE: EAGLE (EAGLE CHAIN)

COUNTY: VILAS

YEAR: 2013

The Department of Natural Resources surveyed Eagle Lake, Vilas County, from May 8 through May 14, 2013, to determine the health of its fishery. The survey was designed to assess the lake's walleye and musky fishery. Eagle Lake is a drainage lake with sand/gravel/rock substrate and a naturally reproducing walleye population. It has a surface area of 575 acres, 4.9 miles of shoreline and a maximum depth of 34 feet.



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

Walleye



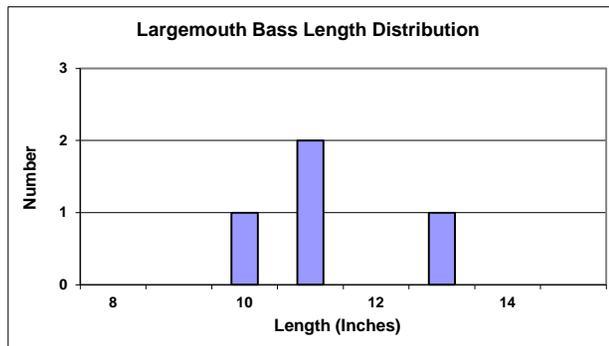
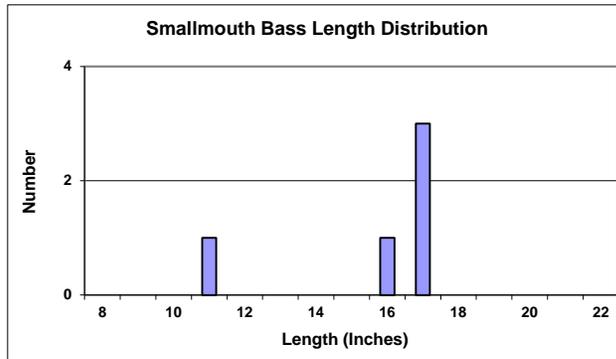
A mark-recapture survey of Eagle Lake's adult walleye population was conducted from May 8-12, 2013. During 5 days of fyke netting, 573 adult walleye were captured and marked with a fin clip. Two crews sampled Eagle Lake with electro-fishing boats on May 12 and captured 240 adult walleye. During electrofishing 23% (54 of 240) of captured walleye bore the fin clip given during fyke netting. The largest walleye captured was a 25.2-inch female.

Based on those results, Eagle Lake was estimated to contain 2118 adult walleye (3.7 /acre). An estimated 11% (242 of 2118) of adult walleye were 15 inches long or larger.

Smallmouth Bass



During sampling conducted through May 14, 5 smallmouth bass 8 inches or larger were captured. Of those smallmouth captured, 80 % (4 of 5) were 14 inches long or larger. The largest smallmouth captured was 17.2-inches long.



Largemouth Bass



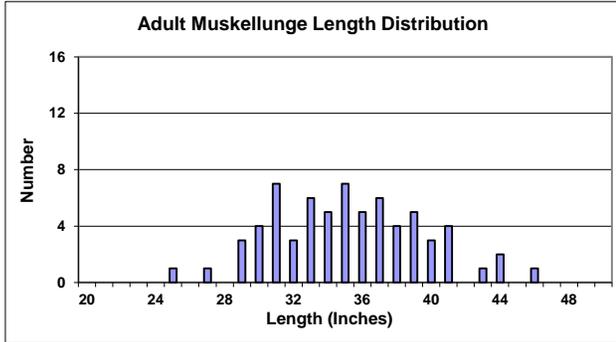
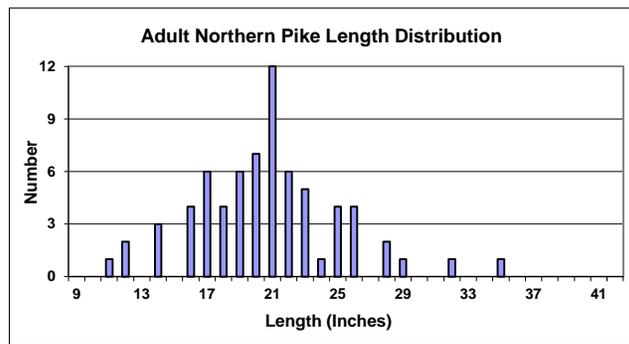
During sampling conducted on Eagle Lake, only 4 largemouth bass 8 inches or larger were captured. The largest largemouth captured was 13.2-inches long.

Northern Pike



From May 8 through May 14, 2013, 70 adult northern pike were captured fyke netting and electrofishing in Eagle Lake. Of the adult northern pike captured 87% (61 of 70) were less than 26 inches long. The largest northern pike captured was a 35.2-inch female.

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



Muskellunge



During our fyke netting and electro-fishing sampling of Eagle Lake, 68 adult muskellunge were captured. Of the muskellunge captured, 16% (11 of 68) were 40 inches long or larger. The largest muskellunge captured was a 46.8-inch female.

* Note: Adult muskellunge are defined using PSD stock size as all sexable muskellunge and muskellunge of unknown sex ≥ 20 inches long.

Other Species

In addition to the game fish mentioned above, 12 species of fish were captured during fyke netting and electro-fishing sampling of Eagle Lake. Yellow perch, black crappie, and bluegill were common in our fyke net catches. Also caught were moderate numbers of pumpkinseeds, rockbass, and white suckers. Other species sampled included yellow bullhead, shorthead redhorse, golden shiner, common shiner, creek chub, and burbot.

A creel survey will be conducted on Eagle Lake throughout the 2013-14 fishing season to get estimates of fishing effort and angler harvest. Creel clerk Lynn Robinson will count and interview anglers and examine their catch. The information gathered will be used to estimate fishing effort and angler harvest.

Table 1. General Fishing Regulations for Eagle Lake, Vilas County, 2013-14

FISH SPECIES	OPEN SEASON	DAILY LIMIT	MINIMUM LENGTH
Walleye	May 4 - March 2	3	No minimum length, no harvest 14-18" and only 1 over 18"
Largemouth and Smallmouth Bass	May 4 - June 14 (C&R) June 15 - March 2 (Harvest)	None 5 in total	14 inches
Muskellunge	May 25 - Nov. 30	1	40 inches
Northern Pike	May 4 - March 2	5	None

A brief summary of selected fishing regulations for Eagle Lake are 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://dnr.wi.gov/topic/fishing/regulations_index.html

This report is interim only; data and findings should not be considered final. Results of creel surveys should be available by June 2014. Watch for survey summaries at: <http://dnr.wi.gov/fish/nor/northern.html> or contact:

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

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