



WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Fisheries Information Sheet

Enterprise Lake, Langlade County, 2024



LAKE INFORMATION

Enterprise Lake is a 505-acre soft water drainage lake with 6.0 miles of shoreline, a maximum depth of 28 feet and predominately muck, gravel, rubble and boulder substrates. Enterprise Lake's walleye population is sustained through natural reproduction, while the muskellunge population is stocked.

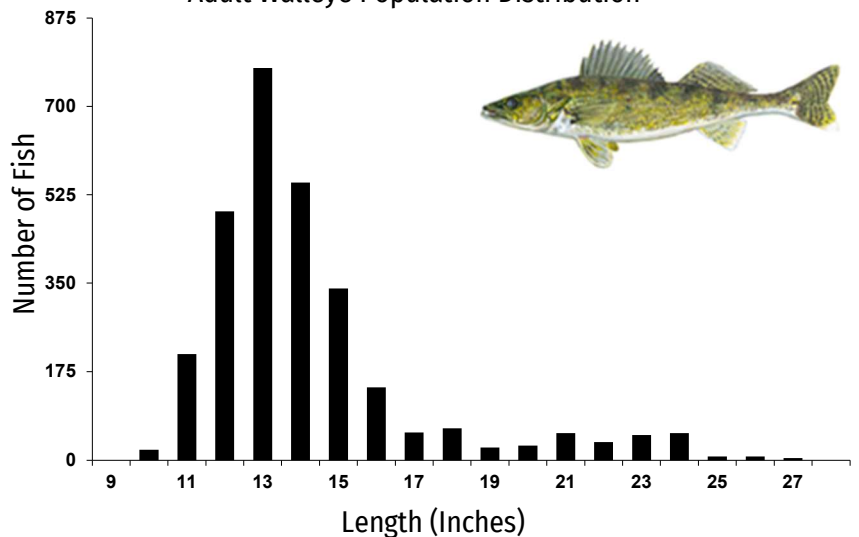
SURVEY INFORMATION

The Wisconsin Department of Natural Resources (DNR) conducted targeted surveys of Enterprise Lake from April 04 through April 16, targeting the adult walleye and muskellunge populations. Additionally, a muskellunge survey was conducted in 2023 (May 10 – May 17). The mark-recapture results of the 2023 and 2024 muskellunge surveys were combined to estimate the adult muskellunge population in Enterprise Lake. Finally, an electrofishing survey was conducted on May 15 2024 to assess the bass and panfish populations in Enterprise lake.

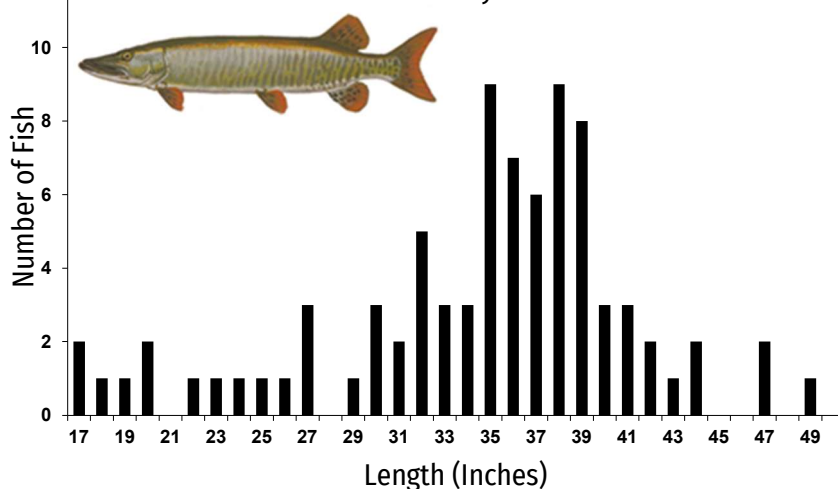
WALLEYE

Survey efforts captured 1,531 adult walleye (sexually mature or ≥ 15 inches). Mark-recapture procedures estimated 2,910 (5.8/acre) adult walleye in Enterprise Lake. An estimated 30% of adult walleye were ≥ 15 inches, and the largest captured was a 27.5-inch female.

Adult Walleye Population Distribution



Muskellunge Length Distribution from 2023-2024 Surveys

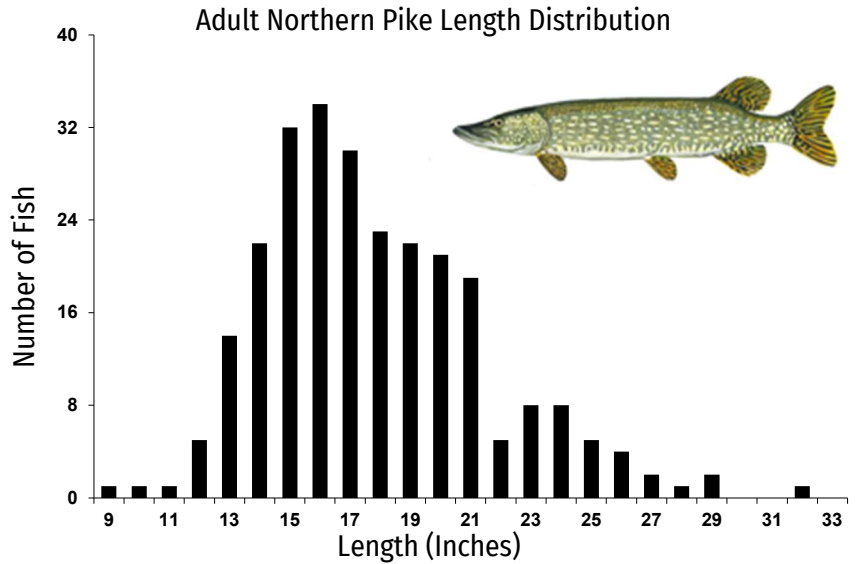


MUSKELLUNGE

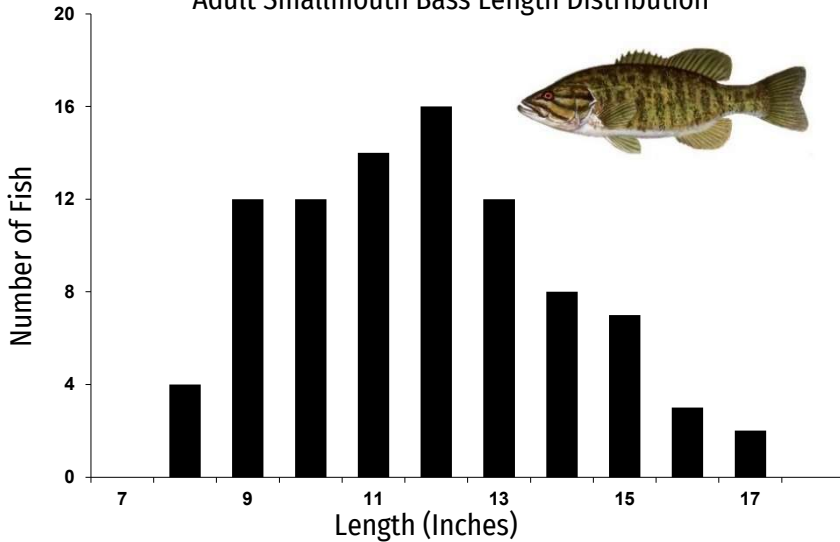
During the surveys, 77 individual adult and 7 juvenile muskellunge were captured at rates of 1.0 (2023) and 0.7 (2024) adults per net night of targeted effort. Mark-recapture procedures estimated 127 (0.24/acre) adult muskellunge in Enterprise Lake. Of the adults captured, 18% were ≥ 40 inches, the largest was a 49.8-inch female.

NORTHERN PIKE

While not a target of the survey, 261 adult (sexually mature or ≥ 12 inches) northern pike were captured. Mark-recapture procedures estimated 1,335 (2.6/acre) adult northern pike present in Enterprise Lake. An estimated 21% of adult northern pike were ≥ 21 inches and the largest was a 32.3-inch female.



Adult Smallmouth Bass Length Distribution

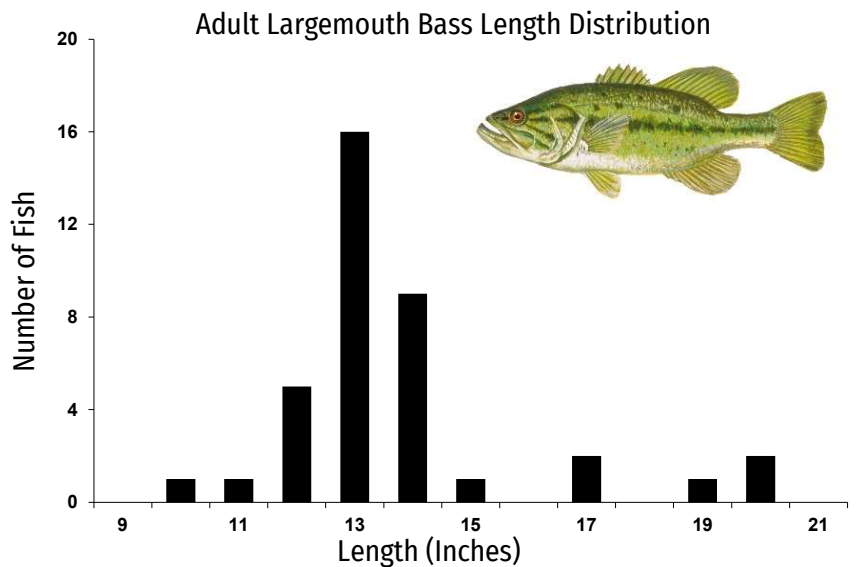


SMALLMOUTH BASS

Surveys captured a total of 90 adult (≥ 8 inches) smallmouth bass, 22% were ≥ 14 inches, and the largest was 17.5 inches. A targeted electrofishing survey caught adult smallmouth bass at a moderately-high rate of 13.0 per mile of shoreline.

LARGEMOUTH BASS

Surveys captured a total of 38 adult (≥ 8 inches) largemouth bass, 39% were ≥ 14 inches, and the largest was 20.5 inches. A targeted electrofishing survey caught adult largemouth bass at a low rate of 3.8 per mile of shoreline.



OTHER SPECIES

Fifteen fish species were captured in addition to the gamefish listed above. Panfish and other common species are listed in Table 1. Other species not directly targeted and captured in low abundance are: blackchin shiner, blacknose shiner, bluntnose minnow, common shiner, creek chub, golden shiner, johnny darter and mottled sculpin.

SPECIES	COUNT	MINIMUM (IN.)	MAXIMUM (IN.)	AVERAGE (IN.)
BLACK CRAPPIE	316	2.0	13.0	8.9
BLUEGILL	913	1.0	9.0	6.2
PUMPKINSEED	152	3.0	7.5	6.0
ROCK BASS	85	3.5	8.0	6.3
WHITE SUCKER	220	10.0	19.5	15.4
YELLOW BULLHEAD	24	6.5	10.5	9.0
YELLOW PERCH	1,838	2.0	10.0	7.1

Table 1. Species, total catch, minimum, maximum and average (mean) length from all survey methods on Enterprise Lake during 2024.

CONTACT INFORMATION

For questions regarding fisheries management activities on Enterprise Lake, contact the Lincoln & Langlade County Fisheries Biologist, Dave Seibel. For questions about this report, contact the Treaty Fisheries Biologist, Lawrence Eslinger.

This report was created by Fisheries Technician, Eric Brown.

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