



WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Fisheries Information Sheet

LAKE: SEVEN ISLAND

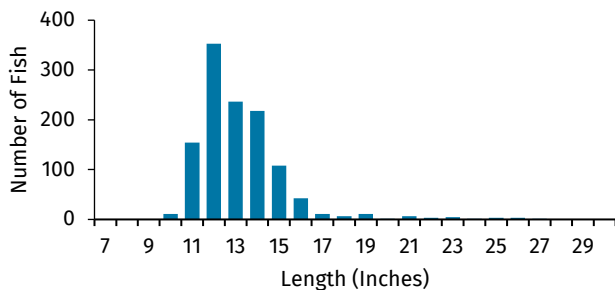
COUNTY: LINCOLN

YEAR: 2024

Introduction

The Department of Natural Resources (DNR) surveyed Seven Island Lake, Lincoln County to assess the status of the walleye, muskellunge and bass populations. Seven Island Lake is a clear water seepage lake with sand, gravel and muck substrates. It has a surface area of 132 acres, 4 miles of shoreline and a maximum depth of 31 feet. Seven Island Lake's walleye and muskellunge populations are currently sustained through natural reproduction.

Adult Walleye Population Distribution



WALLEYE

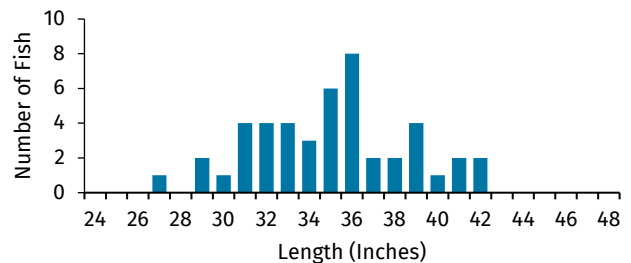
Fyke netting and electrofishing surveys through April 15 captured 672 adult walleye (sexually mature or ≥ 15 inches). Mark-recapture procedures estimated 1,176 (8.9/acre) adult walleye present in Seven Island Lake. An estimated 17% of adult walleye were ≥ 15 inches, and the largest captured was a 27.7-inch female.



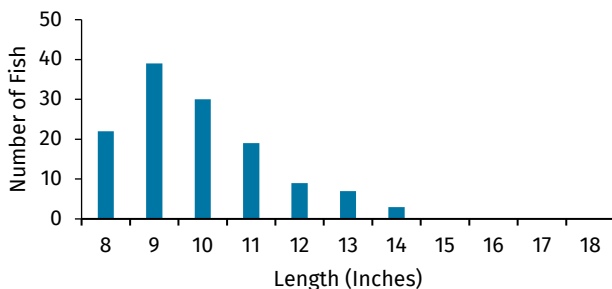
MUSKELLUNGE

Survey efforts in 2023 and 2024 (two seasons are necessary for a population estimate) resulted in the capture of 46 adult muskellunge (sexually mature or ≥ 30 inches) at rates of 0.7 (2023) and 0.2 (2024) per net night of targeted effort. The largest caught was a 42.7-inch female. Mark-recapture procedures estimated 63 (0.5/acre) adult muskellunge in Seven Island Lake.

Adult Muskellunge Length Distribution



Adult Largemouth Bass Length Distribution



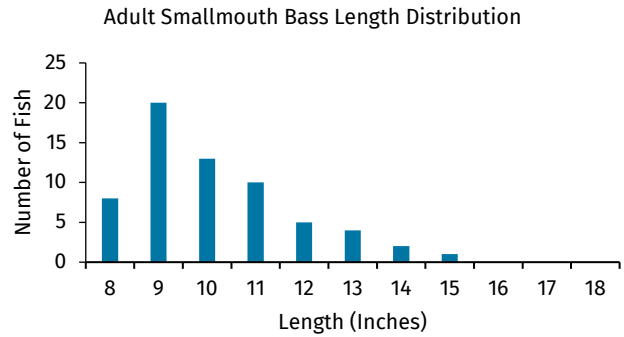
LARGEMOUTH BASS

Surveys captured a total of 154 adult largemouth bass (≥ 8 inches), and 12% were ≥ 14 inches (largest 16.7 inches). A targeted late-spring electrofishing survey captured adult largemouth bass at a moderately high rate of 18.0 per mile of shoreline. Mark-recapture procedures estimated 570 (4.3/acre) adult largemouth bass in Seven Island Lake.



SMALLMOUTH BASS

63 adult smallmouth bass (≥ 8 inches) were captured, and 5% were ≥ 14 inches (largest 15.2 inches). A targeted late-spring electrofishing survey captured adult smallmouth bass at a moderate rate of 9.5 per mile of shoreline. No smallmouth bass population estimate was made due to insufficient data.



OTHER SPECIES

In addition to the gamefish mentioned, eight other fish species were captured during fyke netting and electrofishing in Seven Island Lake. Yellow perch were common, while bluegill and rock bass were caught in moderate numbers. Other species captured included black crappie, golden shiner, pumpkinseed, white sucker, and yellow bullhead.

Table 1. Select fishing regulations for Seven Island Lake, in Lincoln County Wisconsin, 2024. Regulations for species not listed below follow the “General Inland Waters” rules found within the state fishing regulations pamphlet.

SPECIES	2024-25 SEASON DATES	DAILY BAG LIMIT	SIZE LIMIT
Walleye	May 4 – March 2	3	15”, 20”-24” protected slot 1 over 24”
Largemouth bass	May 4 – March 2	5 in combination with smallmouth bass	14”
Smallmouth bass	June 15 – March 2	5 in combination with largemouth bass	14”
Muskellunge	May 25 – December 31	1	40”

Acknowledgements & Questions

This report was compiled by DNR Fisheries Technician Mark Love. Contact the treaty fisheries biologist for questions about this report. Contact the Lincoln County fisheries biologist for questions regarding fisheries management activities on Seven Island Lake.

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