



WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Fisheries Information Sheet

LAKE: Long Lake

COUNTY: Bayfield

YEAR: 2024

Introduction

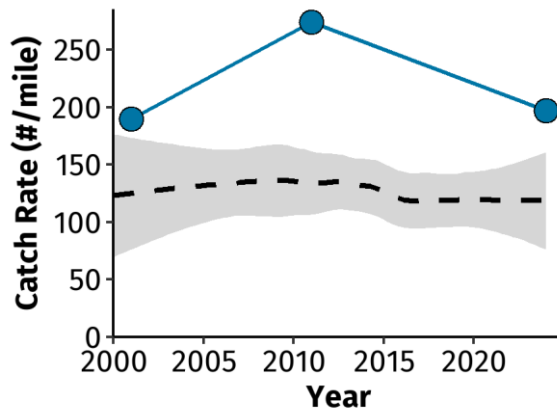
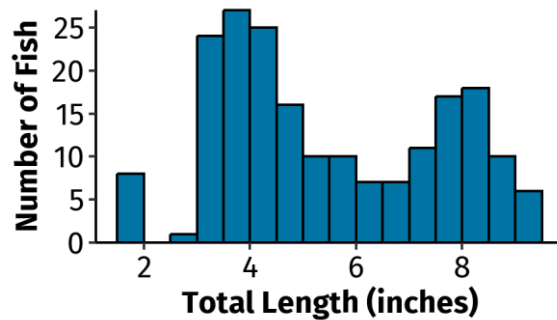
A late spring electrofishing (SE2) survey was conducted on Long Lake (WBIC 2767100) in Bayfield County on May 30th, 2024. All species were collected along one mile of shoreline and gamefish were collected along an additional four miles of shoreline. Although SE2 surveys primarily target bass and panfish, species observed in the 2024 survey included largemouth bass, northern pike, walleye, bluegill, black crappie, pumpkinseed and yellow perch.

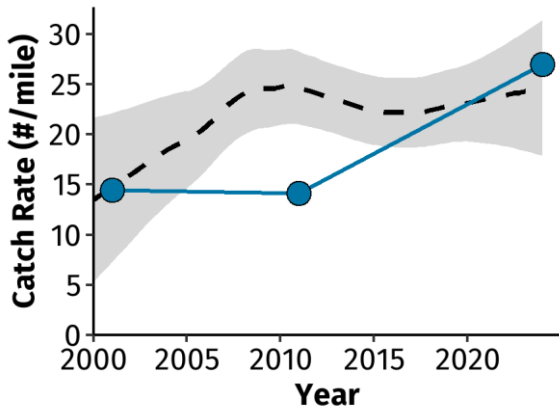
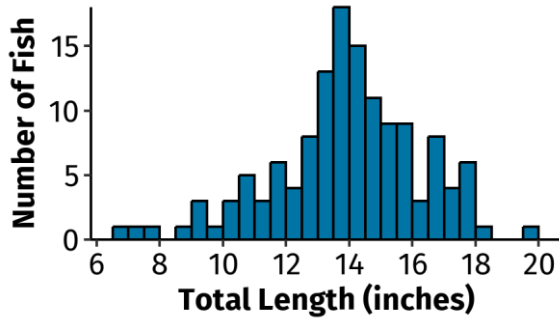
BLUEGILL



There were 197 bluegills captured and length ranged from 1.5-9.4 inches. Bluegill catch rate (blue dots) was well above average for complex-cool-clear lakes in Wisconsin (dashed line; 95% confidence interval shaded). Since the 2011 survey, the bluegill catch rate decreased, but size structure improved. Fourteen 6–7-inch bluegills were kept for aging. The age of these 6-7-inch fish ranged from 3-7 years with a mean of 5.1 years, which is relatively fast growth for Douglas and Bayfield counties.

Year	2011	2024
# Captured Per Mile	274	197
Quality Size (≥6")	27%	39%
Preferred Size (≥8")	1%	17%





LARGEMOUTH BASS



There were 135 largemouth bass captured and length ranged from 6.8-19.8 inches. Largemouth bass catch rate (blue dots) was near the average for complex-cool-clear lakes in Wisconsin (dashed line; 95% confidence interval shaded). Since the 2011 survey, the largemouth bass catch rate increased and size structure declined.

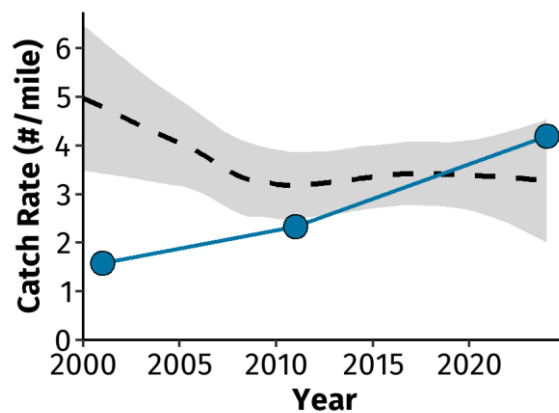
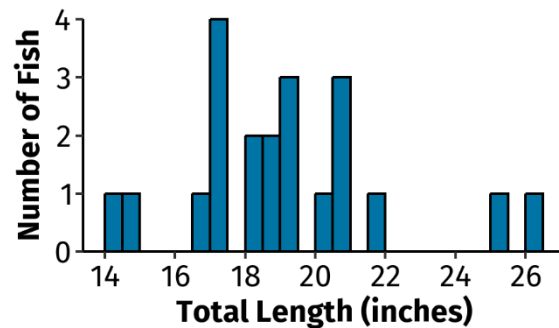
Year	2011	2024
# Captured Per Mile	14	27
Quality Size ($\geq 12"$)	87%	81%
Preferred Size ($\geq 15"$)	63%	30%

NORTHERN PIKE



There were 21 northern pike captured and length ranged from 14.0-26.2 inches. Northern pike catch rate (blue dots) was slightly above average for complex-cool-clear lakes in Wisconsin (dashed line; 95% confidence interval shaded). Since the 2011 survey, the northern pike catch rate increased and size structure declined.

Year	2011	2024
# Captured Per Mile	2.3	4.2
Quality Size ($\geq 21"$)	57%	14%
Preferred Size ($\geq 28"$)	0%	0%



OTHER SPECIES

There were 12 black crappies captured and length ranged from 7.8-10.5 inches. However, the steep shorelines and abundant woody habitat made sampling black crappies particularly difficult, so the black crappie abundance is likely higher than the catch rate indicates. There were 26 pumpkinseeds captured and length ranged from 4.1-7.3 inches. Eight yellow perch were captured and all were <4 inches. Four walleyes were captured and length ranged from 9.4-18.2 inches.

Summary

Overall, the fisheries in Long Lake were healthy and productive. With a high catch rate, good size structure and fast growth, the bluegill fishery in Long Lake is one of the best in Bayfield County. Largemouth bass and northern pike abundances increased since the previous SE2 survey, and largemouth bass size structure remained excellent. Black crappies likely provide another great fishery but are not targeted effectively in SE2 surveys. Although infrequent, adult walleyes were still documented.

General fishing regulations for Long Lake in Bayfield County, Wisconsin.

SPECIES	SEASON DATES	DAILY BAG LIMIT	MINIMUM SIZE LIMIT
Largemouth Bass	1 st Saturday in May to 1 st Sunday in March	5	14 inches
Northern Pike	1 st Saturday in May to 1 st Sunday in March	5	None
Panfish	Open all year	25	None
Walleye	1 st Saturday in May to 1 st Sunday in March	3	15 inches but less than 20 inches, with 1 over 24 inches

For answers to questions about fisheries management activities on Long Lake, contact:

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