

# WISCONSIN DEPARTMENT OF NATURAL RESOURCES

## 2021 Krohns Lake Survey Summary, Kewaunee County

Report completed July 29, 2022

The Wisconsin Department of Natural Resources (DNR) conducted a spring electrofishing 2 (SE2) survey on Krohns Lake in southwestern Kewaunee County on May 25, 2021. The lake is 21 acres, with 0.88 miles of shoreline and a maximum depth of 38 feet (10% of the lake is under 3 feet; 61% over 20 feet). The predominant bottom composition is muck, with sand common. Predominant fish populations have historically consisted of largemouth bass and panfish but has been stocked with trout since the 1950's.

The goal of this survey was to assess the fish populations in the lake. The primary objectives of SE2 surveys are specifically to count and measure adult bass and panfish sampled with boomshocker electrofishing equipment and is conducted at night along the shoreline. A total of 0.88 miles of shoreline were surveyed, and all fish encountered were netted. A total of 67 fish were captured representing five different species.

### Largemouth Bass

Largemouth bass were the most abundant gamefish species sampled from Krohns Lake. A total of 36 largemouth bass were captured (40.9/mi), ranging in length from 4.4 to 15.0 inches and averaging 8.9 inches (Figure 1). Four of the bass sampled (11%) were greater than the 14-inch minimum size limit. Overall, the 2021 catch rate (40.9/mi) was similar to the 2013 survey (41.4/mi) and the range and average length of bass sampled was similar between the surveys. Bass captured ranged in age from one to ten years. Growth rates of largemouth bass sampled from Krohns Lake in 2021 appear to be at or above statewide averages until age-3 and slightly lower thereafter (Table 1).

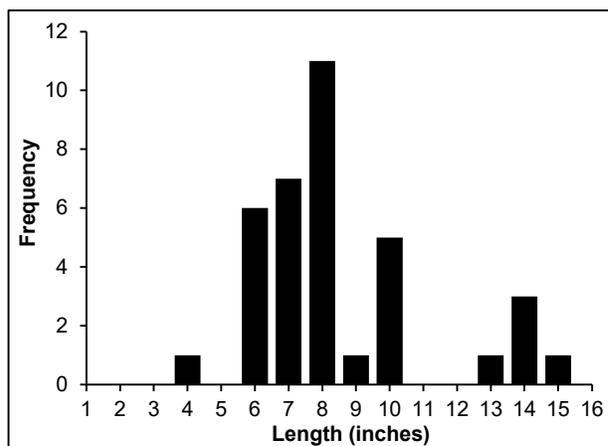


Figure 1. Length frequency of largemouth bass sampled from Krohns Lake in 2021.

Table 1. Average length (inch) at age determined from age estimation of dorsal spines from largemouth bass captured on Krohns Lake in 2021 compared to the statewide average length at age for largemouth bass.

Year	AGE-1	AGE-2	AGE-3	AGE-4	AGE-5	AGE-6
State Avg.	3.8	6.5	9.0	11.4	13.3	15.1
2021	5.3	7.7	9.7	9.3	12.7	14.2

## Bluegill

Bluegill were the most abundant panfish species sampled from Krohns Lake. A total of 26 bluegills were captured (29.5/mi). Sampled bluegills ranged in length from 3.5 to 8.3 inches and averaged 5.7 inches (Figure 2). Of the bluegills sampled, 35% were greater than 6.0 inches, 31% were greater than 7.0 inches, and 4% were greater than 8.0 inches. Overall, the 2021 catch rate (29.5/mi) increased from the 2009 survey (4.6/mi). Bluegills captured ranged in age from two to six years. Growth rates of bluegills sampled from Krohns Lake in 2021 appear to be relatively high and above statewide averages (Table 2).

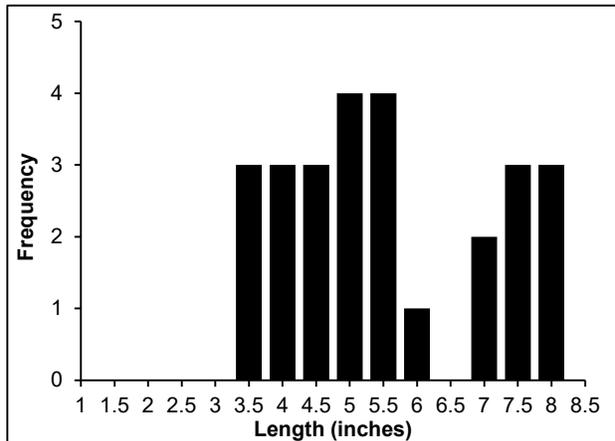


Figure 2. Length frequency of bluegills sampled from Krohns Lake in 2021.

Table 2. Average length (inch) at age determined from age estimation of otoliths from bluegills captured on Krohns Lake in 2021 compared to the statewide average length at age for bluegills.

Year	AGE-1	AGE-2	AGE-3	AGE-4	AGE-5	AGE-6
State Avg.	2.5	3.8	4.8	5.8	6.6	7.2
2021	--	4.2	5.0	6.8	7.6	8.0

## Other Species

Two green sunfish (5.7 and 6.3 inches), two white suckers (12.6 and 12.7 inches), and one rock bass (5.6 inches) were also sampled during the survey. In recent years, Krohns Lake has been stocked with rainbow trout annually.

## For more information please contact:

### Logan Sikora

DNR Senior Fisheries Biologist (inland waters for Door and Kewaunee Counties;  
Chinook salmon and steelhead management for Lake Michigan)

110 S. Neenah Avenue, Sturgeon Bay, WI 54235

logan.sikora@wisconsin.gov