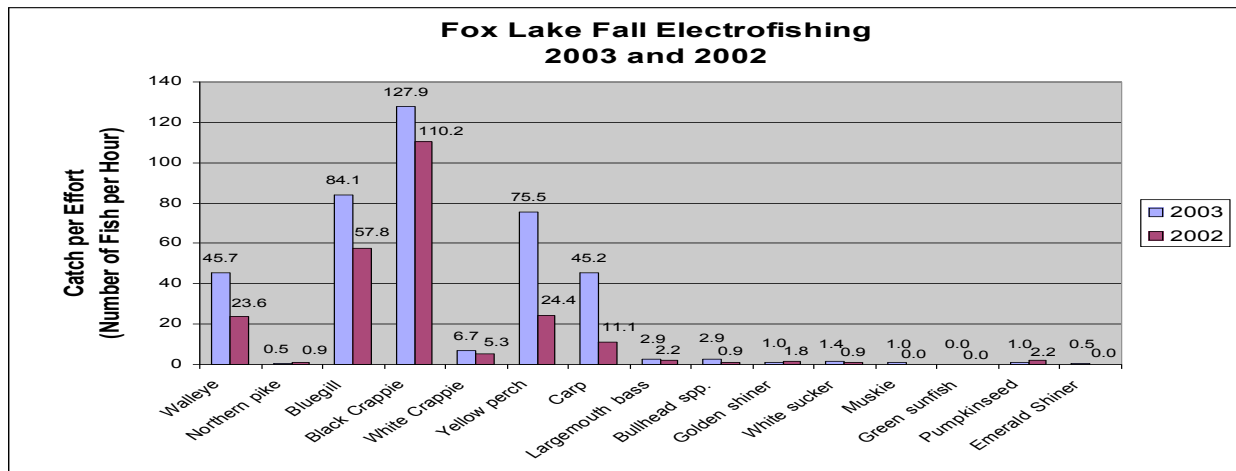


Fox Lake Fall Electrofishing Summary Report – 2003

Fall Electrofishing - Defined

Fall electrofishing was conducted on Fox Lake in Dodge County on September 15, 2003. Fall electrofishing is conducted using a large boomshocker boat during the fall allowing for the collection of young-of-the-year (YOY) and adult bass and walleye that are often undersampled by other gear types. In order to standardize fisheries data, total effort, in the form of time spent shocking and/or miles of shoreline shocked is recorded. For this survey, the total effort expended was 2.08 hours and the following stations were sampled: 1.) Inlet of Cambria Creek south (25 minutes), 2.) North side of Chief Kuno Trail (20 minutes), 3.) South side of Chief Kuno Trail (20 minutes), 4.) South shore of The Jug to outlet (20 minutes), 5.) Elmwood Island (20 minutes), 6.) Green Bell tavern to Maple Point (20 minutes). Lengths and scale samples were taken from a subset of fish and all fish were returned to the lake. This report highlights the findings of 2003 fall electrofishing with comparisons between 2002 fall electrofishing where applicable.



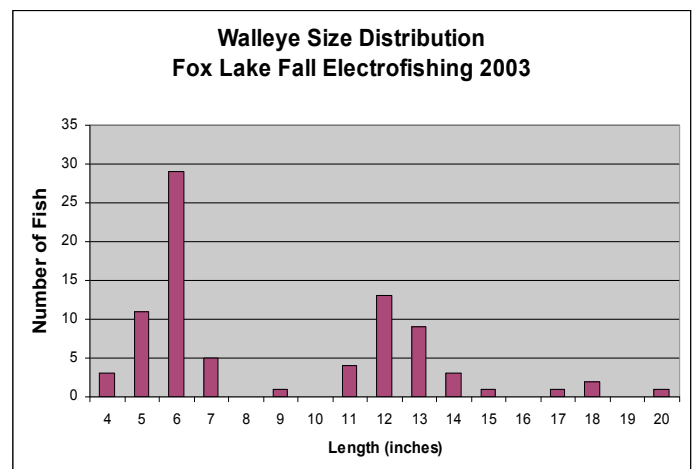
Gamefish Summary

Walleye

Abundance: 2003 Fall Electrofishing Catch = 95 total fish, or 45.7 fish/hour.

Size Structure: 2003 Length range = 4.0-20.0 inches.
2003 Average Length = 9.24 inches.

The total number of walleye sampled during 2003 fall electrofishing was 96 fish, up from 53 fish in 2002. The number of young-of-the-year (YOY) walleye under 10 inches in length increased to 25 fish per hour in 2003, up from 13.8 per hour in 2002 and 0 per hour in 2001 fall electrofishing. Hopefully this positive trend will continue into future years and help improve the adult walleye population in Fox Lake.



Largemouth bass

Abundance: 2003 Fall Electrofishing Catch = 6 fish total, or 2.9/hour.

Size Structure: 2003 Length range = 3.5-16.5 inches.
2003 Average length = 11.2 inches.

2003 catch rates of largemouth bass (2.9/hour) are comparable to those found in 2002 (2.2/hour).

Northern pike

Abundance: 2003 Fall Electrofishing Catch = 1 fish total or .48/hour.

Size Structure: 2003 Length Range = N/A.
2003 Average Length = 27 inches.

The low number of northern pike sampled during this survey is typical of the electrofishing gear used, and is not a reflection of low population levels. The best northern pike population data is obtained using fyke nets set during the spring spawning season.

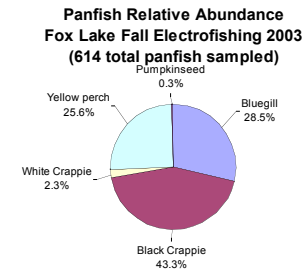
Muskie

Abundance: 2003 Fall Electrofishing Catch = 2 fish total or .96/hour.

Size Structure: 2003 Length Range = 22.0-22.2 inches.
2003 Average Length = 22.1 inches.

Panfish Summary

The panfish community in Fox Lake is dominated by a large black crappie population, as well as smaller populations of white crappie, bluegill, and yellow perch. Other panfish species present in the lake include pumpkinseed and green sunfish.

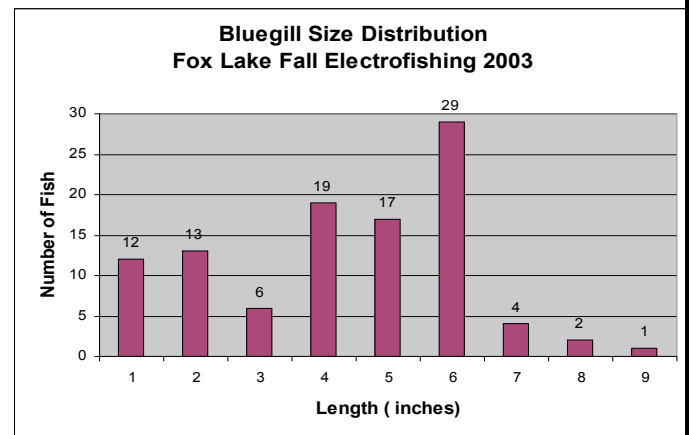


Bluegill

Abundance: 2003 Fall Electrofishing Catch = 175 fish total, 84.1/hour.

Size Structure: 2003 Length range = 1.6-9.3 inches.
2003 Average length = 4.7 inches.

Of the total 175 bluegill sampled, length measurements were taken on 103 fish. Of those measured, 35% were greater than 6 inches in length. Six-inch bluegill comprised the majority (28%) of the measured fish sample.

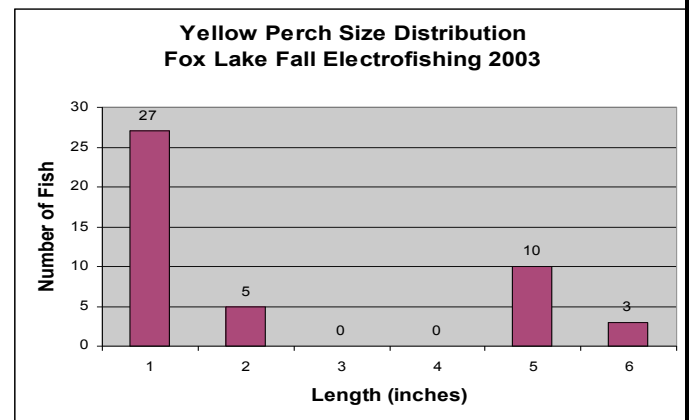


Yellow perch

Abundance: 2003 Fall Electrofishing Catch = 157 fish total, 75.5/hour.

Size Structure: 2003 Length range = 3.3-8.1 inches.
2003 Average Length = 4.7 inches.

Length measurements were taken on 45 of the total 157 yellow perch sampled. Of the 45 fish measured, 60% were less than 2 inches in length. This serves as evidence of a successful natural hatch of yellow perch produced during the spring of 2003.



Black crappie

Abundance: 2003 Fall Electrofishing Catch = 266 fish total, 127.9/hour.

Size Structure: 2003 Length range = 2.2-9.6 inches.
2003 Average length = 6.8 inches.

White crappie

Abundance: 2003 Fall Electrofishing Catch 14 fish total, 6.7/hour.

Size Structure: 2003 Length range = 2.7-9.8 inches.
2003 Average Length = 6.3 inches.

Forage Species

Other species collected during 2003 fall electrofishing included golden shiner, emerald shiner, white sucker, common carp, and yellow, brown and black bullhead. Adult carp catch rates were 45.2/hour, an increase from 11.1/hour in 2002. Bullhead species ranged in size from 9.5 to 11.1 inches.