



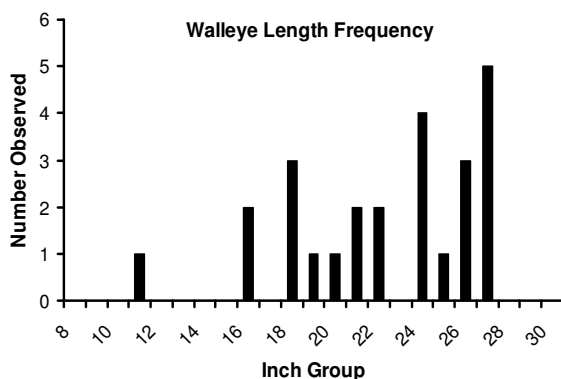
# WISCONSIN D.N.R. FISHERIES INFORMATION SHEET

**LAKE:** Sea Lion Lake

**COUNTY:** FLORENCE

**Year:** 2012

The Department of Natural Resources is currently surveying Sea Lion Lake in Florence County to determine the status of this fishery. Sea Lion Lake covers 122 acres and has a maximum depth of 82 feet.

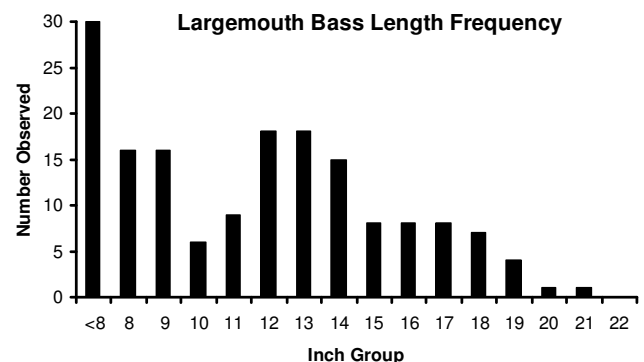


## Walleye

Fyke nets were used from 3/22-3/26 this spring to mark walleyes. The boom shocker was then deployed for 2 nights in early spring to recapture walleyes and make an adult population estimate. Based on these surveys I estimate that there are approximately 29 adult walleyes (0.24/acre) in Sea Lion Lake. The walleyes were all very nice-sized with males ranging between 16.5 and 22.9 inches and females from 20.0 to 27.9 inches in length.

## Largemouth Bass

Largemouth bass were captured during our spring fyke net survey, walleye electrofishing surveys and 7 bass electrofishing surveys to estimate the adult population. During these surveys we captured and measured 165 different largemouth. After analyzing the data I estimate their to be approximately 416 largemouth bass  $\geq 8.0$  inches in Sea Lion Lake (3.41/acre). The largemouth bass population in Sea Lion Lake has a very impressive size structure with 65%  $\geq 12.0$  inches and 10%  $\geq 18.0$  inches in length. The largest bass sampled during our survey was 21.4 inches long and weighed an impressive 6 lbs 6 ounces.



## Smallmouth Bass

There is a very small population of smallmouth bass in Sea Lion Lake. In fact, we only captured 4 smallmouth during the 2012 survey. These fish ranged from 11.9 to 18.0 inches in total length.

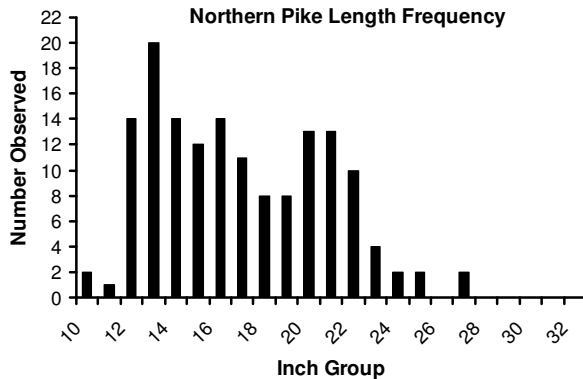


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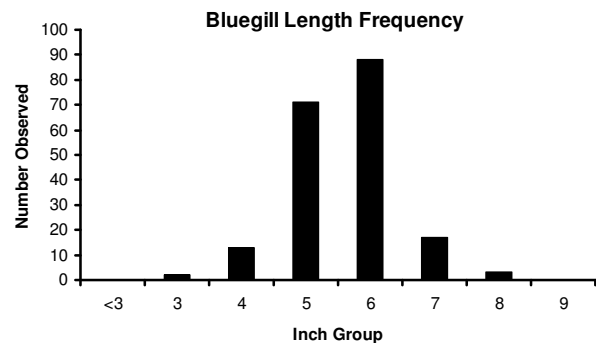


### Northern Pike

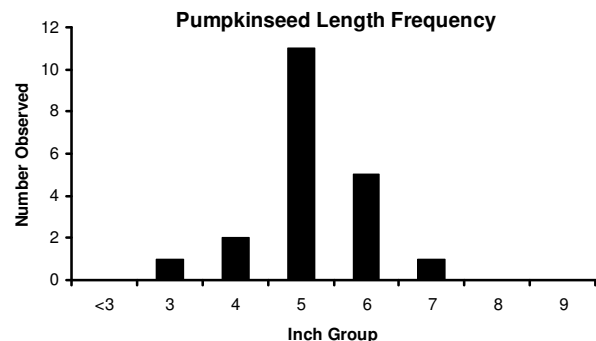
Northern Pike were targeted during early spring. We captured and measured 153 different northern pike during 4 days of netting and two nights of electrofishing. After analyzing the data I estimated the adult northern pike population to be approximately 384 fish (3.14/acre). Fish sampled ranged from 9.5 to 36.7 inches in length.

### Panfish

Panfish were sampled using fyke nets over a 2-day period in June. We captured 194 bluegills (19.4/net-lift) during our survey making them the most abundant panfish species in Sea Lion Lake. Bluegill size structure is below average with 56% being  $\geq 6.0$  inches and 10% being  $\geq 7.0$  inches in length.



Pumpkinseed was the 2<sup>nd</sup> most encountered panfish species with 20 fish captured during our summer survey. Pumpkinseed size structure was moderate in this small sample with 30%  $\geq 6.0$  inches and 5%  $\geq 7.0$  inches in length.



Black crappie are not captured in high numbers during our summer panfish surveys due to their early spawning period. We did witness a modest number of black crappies during our spring netting and electrofishing surveys in 2012. A random subsample was measured showing a poor size structure, most likely due to excessive harvest, with 5%  $\geq 10.0$  inches in length.

