



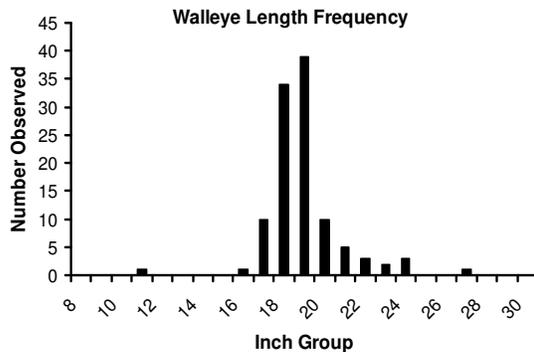
# WISCONSIN D.N.R. FISHERIES INFORMATION SHEET

**LAKE:** Emily Lake

**COUNTY:** FLORENCE

**Year:** 2012

The Department of Natural Resources is currently surveying Emily Lake in Florence County to determine the status of this fishery. Emily Lake covers 191 acres and has a maximum depth of 43 feet.

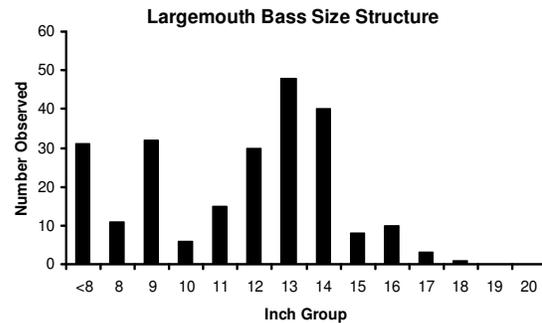


### Largemouth Bass

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 235 different largemouth. After analyzing the data I estimate their to be approximately 622 largemouth bass  $\geq$  8.0 inches in Emily Lake (3.26/acre). The majority of these fish were 12-14 inches, with the largest being 18.0 inches.

### Walleye

Fyke nets were used from 3/22-3/26 this spring to mark walleyes. The boom shocker was then deployed for 3 evenings in early spring to recapture walleyes and estimate the adult population. Based on these surveys I estimate that there are approximately 172 adult walleyes (0.90/acre) in Emily Lake. The largest walleye sampled was 27.5 inches and weighed 8.25 pounds.

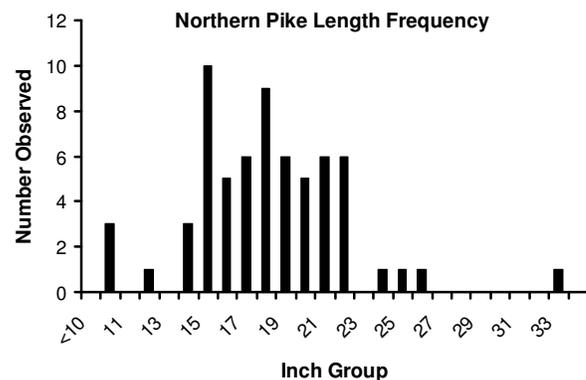


### Smallmouth Bass

There are very few smallmouth bass present in Emily Lake. In fact, we only captured 1 smallmouth bass throughout our survey. This fish was 17.2 inches long.

### Northern Pike

Northern Pike were not specifically targeted during our surveys on Emily Lake. However, we did collect fish during spring netting and electrofishing surveys. We captured 64 different northern pike during our electrofishing and netting surveys. The northern pike population in Lake Emily has poor size structure with only 27% of the fish  $\geq$  21.0 inches in length. The largest fish sampled was 33.5 inches long.





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## Panfish

Panfish were sampled using fyke nets over a 3-day period in June. We captured 314 bluegills (26.2/net-lift) during our survey making them the most abundant pan fish species in Emily Lake. Bluegill size structure is good with 60% being  $\geq 6.0$  inches and 14% being  $\geq 8.0$  inches in length.

Black crappie was the 2<sup>nd</sup> most encountered panfish species during our summer panfish survey. Normally black crappie are not captured in high numbers during our summer panfish surveys due to their early spawning period, this was the case on Emily Lake. We did collect a modest number of black crappies during our spring netting and electrofishing surveys in 2012. A random subsample was measured showing a moderate size structure with 28%  $\geq 10.0$  inches in length.

Rock bass was the 3<sup>rd</sup> most encountered panfish species with only 14 fish captured during our summer survey. Rock bass size structure was fairly poor in this small sample with 21%  $\geq 7.0$  inches and 7%  $\geq 9.0$  inches in length.

