



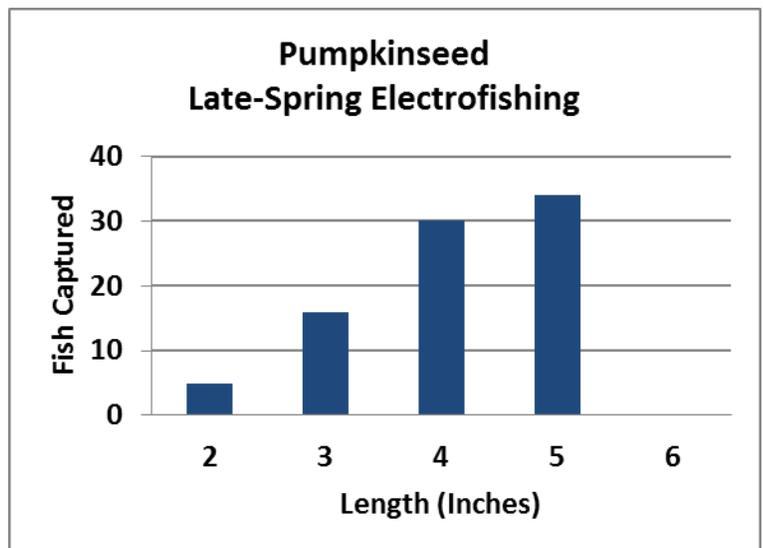
## Late-Spring Electrofishing Survey Summary Cammerer Lake, Ashland County, 2012

The Mercer DNR Fisheries Management Team conducted a late-spring electrofishing survey at Cammerer Lake on May 31, 2012, as part of our baseline monitoring program. The entire shoreline of the lake was surveyed for purposes of obtaining representative samples of the bass and panfish populations. Quality, preferred, and memorable sizes referenced in this summary are based on standard proportions of world record lengths developed for each species by the American Fisheries Society.

### Pumpkinseed



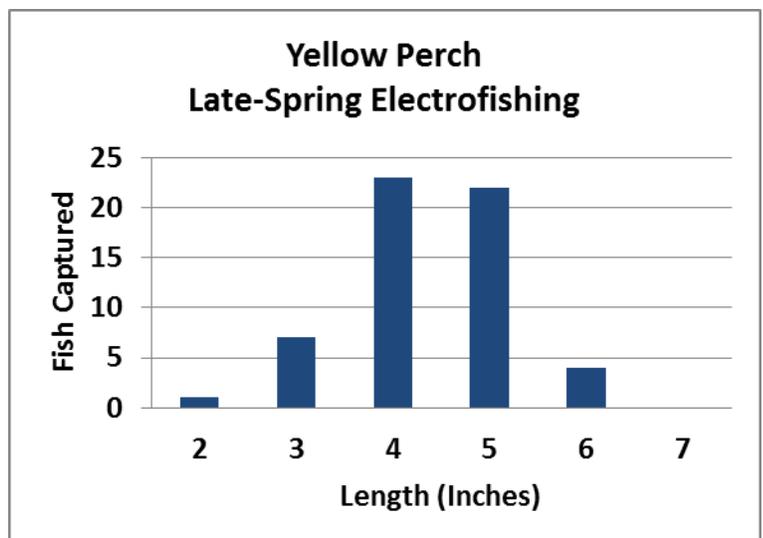
Captured 123 per mile $\geq 3''$	
Quality Size $\geq 6''$	0%
Preferred Size $\geq 8''$	0%



### Yellow Perch



Captured 40 per mile $\geq 5''$	
Quality Size $\geq 8''$	0%
Preferred Size $\geq 10''$	0%



## Summary of Results

Water temperatures during the survey were in the mid-60s. Weather conditions were calm and clear, and therefore our sampling efficiency was very good. Neither bass (largemouth or smallmouth) nor bluegill were captured or observed during this survey, indicating absence or very low abundance. Of the species most readily captured (pumpkinseed and yellow perch), no individuals were of quality size. The relatively small (19 acres) nature of this waterbody may make it susceptible to low dissolved oxygen conditions during extreme environmental conditions (e.g., long winters with above average snow falls). The fish community we observed during this survey is indicative of an aquatic ecosystem that may have recently experienced a fish kill due to low dissolved oxygen conditions (i.e. winterkill).

### Pumpkinseed & Yellow Perch

Pumpkinseed  $\geq 3$  inches were captured at a high rate of 123 per mile; however, size structure of the population sample was very poor, with no fish measuring 6 inches or better.

Yellow perch  $\geq 5$  inches were captured at a moderate rate of 40 per mile. Electrofishing is not the best way to document the relative abundance of perch, but our sample does reveal that most perch in Cammerer Lake are of an undesirable size to anglers.

### Other Species

Two black crappie and golden shiners were the only other species captured.

### Discussion

Cammerer Lake is a 19 acre seepage lake that is managed as a put-and-take trout fishery. Unfortunately, the trout stocking quota was unable to be filled in 2012. Rainbow trout are scheduled to be stocked into Cammerer Lake in 2013, assuming adequate production levels are met. Plans are also in place to monitor dissolved oxygen levels in the lake to aid future management decisions.

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