

## STUDY PERFORMANCE REPORT

State: Michigan

Project No.: F-80-R-15

Study No.: 230521

Title: Influence of lotic and nearshore habitats on fish populations in Great Lakes and inland lake ecosystems, with emphasis on walleye

Period Covered: October 1, 2013 to September 30, 2014

**Study Objectives:** (1) to assess the extent of natural reproduction of walleye in the Michigan waters of Green Bay via marking stocked fish with oxytetracycline (OTC) and describing their contribution to walleye year classes; and (2) to assess the relative influence of river spawning habitat, estuary conditions, juvenile-adult growth habitat, and supplemental stocking on spawning runs of walleye (and estimates of percent natural reproduction) in various river-influenced systems in Michigan.

**Summary:** A manuscript addressing objective 1 was completed and submitted for journal publication. A report of results for objective 2 is incomplete at this time. Collection of GIS-based habitat data associated with objective 2 took longer than anticipated and analysis is ongoing. The study will be amended for 2015-16 to allow for publication of both manuscripts, and a study final report will be submitted in 2016.

**Findings:** Job 6 was scheduled for 2013-14, and progress is reported below.

**Job 6. Title: Write report.**—This progress report was completed as scheduled.

Prepared by: Troy G. Zorn

Date: September 30, 2014