

STUDY FINAL REPORT

State: Michigan

Project No.: F-80-R-7

Study No.: 230665

Title: Investigation of causes of declines in Au Sable River brown trout populations.

Period Covered: October 1, 2005 to September 30, 2006

Study Objective: To continue to conduct annual trout population surveys at index stations on the Au Sable River. These data will be used to determine effects of changes in channel habitats and water quality on the abundance of larger trout in the river. They will also be used to evaluate the effectiveness of instream structure rehabilitation efforts in the Mainstem and North Branch Au Sable River.

Summary: The final report was submitted for publication in a peer-reviewed journal and has been accepted, pending minor revisions.

Findings: Only Job 5 was scheduled for 2005-06, and progress is reported below.

Job 5. Title: Publish final report.—Results of this study are being published, pending minor revisions, as:

Zorn, T. G., and A. J. Nuhfer. In press. Influences on brown trout and brook trout population dynamics in a Michigan river. Transactions of the American Fisheries Society.

Zorn, T. G., and A. J. Nuhfer. In press. Regional synchrony of brown trout and brook trout population dynamics among Michigan rivers. Transactions of the American Fisheries Society.

Prepared by: Troy G. Zorn

Date: September 30, 2006