

## STUDY FINAL REPORT

**State:** Michigan

**Project No.:** F-80-R-8

**Study No.:** 230482

**Title:** Investigations into causes of, and solutions for, variable survival of Chinook salmon stocked into Lake Huron

**Period Covered:** April 1, 1995 to September 30, 2007

**Study Objectives:** To develop methods for documenting the lacustrine early life history of stocked salmonids, with emphasis upon an understanding of factors influencing mortality of chinook salmon in Lake Huron during their first year at large. To identify the cause of low returns of chinook salmon stocked into the AuSable River. To determine if there is a significant difference in return rates for chinook salmon stocked in three different regions of Lake Huron: North, Central, and South. To determine the relative contributions of wild and hatchery-produced chinook to Lake Huron's fisheries.

**Findings:** Only Job 6 was scheduled for 2006-07 and progress is reported below.

**Job 6. Title: Publish report.**—Findings for this study are published as:

Johnson, J. E., S. P. DeWitt, and J. A. Clevenger. 2007. Causes of Variable Survival of Stocked Chinook Salmon in Lake Huron. Michigan Department of Natural Resources, Fisheries Research Report 2086, Ann Arbor.

**Prepared by:** James E. Johnson and John Clevenger

**Date:** September 30, 2007