

## STUDY PERFORMANCE REPORT

**State:** Michigan

**Project No.:** F-80-R-2

**Study No.:** 471

**Title:** Chinook salmon population dynamics in Michigan's waters of the Great Lakes

**Period Covered:** October 1, 2000 to September 30, 2001

**Study Objectives:** (1) To assemble the volumes of data collected on all life stages of chinook salmon (*Oncorhynchus tshawytscha*) since the inception of the salmon program in Michigan; (2) to capture these data into computerized databases to allow for a) management and update of such data, b) analysis, c) development of predictive capabilities for future management of chinook salmon, and d) easier dissemination of these data to other interested researchers; (3) to develop information and mathematical models from these data which will allow managers to predict, with some predetermined level of certainty, the outcome of various management strategies for chinook salmon; and (4) to begin the process of a holistic approach to the management of the Great Lakes through the development of mathematical models to predict, with some predetermined level of certainty, the outcome of various management scenarios on the Great Lakes' ecosystem.

### **Job 13. Write final report.**

**Findings:** A final report/draft manuscript will be submitted to the Fisheries Division's Editing and Finishing Process for Publication of Research and Technical reports by December 31, 2001. This manuscript will be published as a Fisheries Research Report during 2001-02, and submitted as a final report December 2002.

**Prepared by:** David F. Clapp

**Dated:** September 30, 2001