STUDY PERFORMANCE REPORT

State: Michigan

Project No.: F-81-R-6

Study No.: 230662

Title: Inventory and classification of Michigan rivers and river fish communities.

Period Covered: October 1, 2004 to September 30, 2005

Study Objective: (1) Extend and modify as necessary models under development for Lower Peninsula rivers that describe site-specific fish habitat variables using watershed-scale variables to rivers of the Upper Peninsula; (2) Using variables defined in (1), classify Michigan river habitats into distinct types; (3) Determine composition of Upper Peninsula river fish communities from historic data and electrofishing surveys; (4) Extend and modify as necessary models predicting fish populations and community characteristics from site-specific and watershed-scale habitat variables that are being developed for Lower Peninsula rivers to include Upper Peninsula rivers; (5) Classify Michigan river fish communities into distinct types based on habitat classification; (6) Evaluate interactions between water temperature and fish community dynamics, including distribution and abundance for Michigan river fish communities.

Summary: Data analysis has been completed, the river valley classification system for Upper Peninsula (UP) rivers has been developed and river valley segments from 81 UP river systems have been classified. The study final report draft has been submitted and is currently in the publication process.

Findings: Jobs 5 and 6 were scheduled for 2004-05, and progress is reported below.

Job 5. Title: Analyze data.–Data analysis has been completed and Upper Peninsula river valley segments have been classified.

Job 6. Title: Write Final Report.–A final report draft has been completed and has been submitted for final review and publication.

Prepared by: Edward A. Baker
Date: September 30, 2005