

STUDY PERFORMANCE REPORT

State: Michigan

Project No.: F-81-R-8

Study No.: 230712

Title: Status and trends of inland lakes: methods development, program oversight, and ecological assessment.

Period Covered: October 1, 2006 to September 30, 2007

Study Objectives:

1. To oversee the implementation of the status and trends program for inland lakes.
2. To summarize and maintain data collected as part of the status and trends of inland lakes.
3. To evaluate statewide stocking programs in inland lakes.
4. To evaluate the status and trends of inland lakes.

Summary: Draft protocols for sampling water chemistry, zooplankton, and shoreline condition were revised. Summaries depicting regional and statewide status of fish species richness, catch rates, length frequencies, age and growth, zooplankton size structure, water chemistry, and lake habitat were developed and presented to Management Unit personnel. A study revision was written that converts this project to Surveys and Inventories beginning October 1, 2007 and extending through 2012.

Findings: Jobs 1, 2, 3, 4, 6, and 7 were scheduled for 2006-07, and progress is reported below.

Job 1. Title: Determine appropriate quantitative sampling methods.—No progress was made on this job due to time spent on Job 4.

Job 2. Title: Train field personnel in new sampling methods.—No training was held this year due to budget constraints.

Job 3. Title: Write Fishery Division policy and procedures for sampling methods.—Draft protocols for sampling water chemistry, zooplankton, and shoreline condition were revised and are ready for review.

Job 4. Title: Evaluate the status and trends of inland lakes.—Considerable effort was put into this job to illustrate to management biologists how Status and Trends monitoring data could be used to improve fisheries management. Summaries depicting regional and statewide status of fish species richness, catch rates, length frequencies, age and growth, zooplankton size structure, water chemistry, and lake habitat were developed. Summaries were presented to Management Unit personnel at a series of Status and Trends communication meetings held around the state.

Job 6. Title: Write annual performance report.—This annual progress report was prepared as scheduled.

Job 7. Title: Write study renewal for next five-year cycle.—A study revision was submitted for 2006-07 that converts this project to Surveys and Inventories beginning October 1, 2007 and extending through 2012.

Prepared by: Kevin E. Wehrly

Date: September 30, 2007