

## STUDY PERFORMANCE REPORT

State: Michigan

Project No.: F-81-R-6

Study No.: 230680

Title: Patterns in community structure, life histories, and ecological distributions of fishes in Michigan rivers

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

**Study Objectives:** 1) To develop models that explain abundance patterns of the most common fishes in Lower Michigan streams; 2) to evaluate the role of landscape-scale characteristics of streams in favoring fishes having particular life history characteristics; 3) to develop an atlas describing the geographic and ecological distributions of fishes in Lower Michigan streams.

**Summary:** Analyses of relationships between species abundance and key habitat variables are essentially complete, and results are being written up.

**Findings:** Only Job 5 was scheduled for 2004-05, and progress is reported below.

**Job 5. Title: Write report.**—Personnel cutbacks and other work assignments prevented me from making much progress on this job in 2004-05. However, analyses of relationships between species abundance and key habitat variables for Study Objective 3 are essentially complete, and this report has been submitted for publication.

Life history attributes have been compiled for 68 common stream fishes in Michigan. These data will be analyzed to address Study Objective 2 and the results written up in the coming year.

As amended for 2005-06, publication of the final report is scheduled for 2006-07.

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Date: September 30, 2005