

STUDY PERFORMANCE REPORT

State: Michigan

Project No.: F-81-R-4

Study No.: 698

Title: Inventory and evaluation of stream habitat improvements

Period Covered: October 1, 2001 to September 30, 2002

Study Objectives:

- 1) To compile statewide information on stream habitat improvement projects.
- 2) To determine the extent to which stream habitat improvements have been evaluated.
- 3) To evaluate habitat improvements by stream type. Valley segments will be used as a sampling framework to evaluate habitat improvement projects.
- 4) To develop criteria for habitat improvement projects, and then to classify stream segments as to their suitability for habitat improvements.

Summary: Paul Steen, a graduate student at the University of Michigan, continued to work on this project. Much of the year was spent summarizing the streams habitat improvement database and writing a report on the major patterns observed in terms of type of project, costs, location, and funding agency. It is impossible to complete most of the scheduled jobs for this year because very few projects were actually evaluated.

Findings: Jobs 3, 4, 5, 6, and 7 were scheduled for 2002-03, and progress is reported below.

Job 3. Title: Summarize effectiveness of habitat improvements.—Of the 707 stream habitat improvement projects for which information was obtained, only 22% had some mention of effectiveness. In the majority of these cases, projects were given a success/fail evaluation by the managers responsible for their construction. The criteria used to determine success or any survey data supporting these evaluations could not be found. No evaluation data were available for the remaining 553 projects. Therefore, a lack of evaluation data precluded our ability to objectively summarize the effectiveness of stream habitat improvements.

Job 4. Title: Determine relations between Valley Segments and project effectiveness.—Progress on this job was not completed as scheduled due to the insufficient evaluation of individual projects.

Job 5. Title: Develop habitat improvement criteria by Valley Segment.—Progress on this job was not completed as scheduled due to the insufficient evaluation of individual projects.

Job 6. Title: Classify Valley Segments by suitability for habitat improvement.—Progress on this job was not completed as scheduled due to the insufficient evaluation of individual projects.

Job 7. Title: Write reports.—A manuscript was written that summarizes the general trends in the stream habitat improvement data base. This manuscript will be revised and submitted for publication by December, 2003. This annual progress report was prepared as scheduled.

Prepared by: Kevin E. Wehrly

Date: September 30, 2002