

STUDY FINAL REPORT

State: Michigan

Project No.: F-80-R-3

Study No.: 468

Title: Natural reproduction by walleyes in Saginaw Bay

Period Covered: April 1, 1991 to September 30, 2002

Study Objective: To identify the extent of natural reproduction of walleyes (*Stizostedion vitreum*) in Saginaw Bay, relative to stocked and river-produced recruits, and to identify factors affecting reproductive success as well as the prospects for improving that success. To identify means of distinguishing walleyes of various (hatchery, river, and reef) sources.

Summary: Jobs 1 through 4 are completed in this study. The findings through 1999 have been published as an article in the North American Journal of Fisheries Management (22:1032-1040). Full analysis of all years (through 2000) has been summarized as a Michigan DNR Fisheries Research Report. That report has completed the editorial process and is awaiting publication.

Findings: Job 5 was active this year, and progress is reported below. In addition, results of this study are given in the following publications:

Fielder, D. G. 2002. Sources of Walleye Recruitment in Saginaw Bay, Lake Huron, and Recommendations for Further Rehabilitation.. Michigan Department of Natural Resources, Fisheries Research Report 2062, Ann Arbor.

Fielder, D. G. 2002. Sources of Walleye Recruitment in Saginaw Bay, Lake Huron. North American Journal of Fisheries Management 22:1032-1040.

Job 5. Title: Publish report—Final Research Report manuscript has completed the Fisheries Division's review and editorial process and is awaiting publication.

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