

STUDY FINAL REPORT

State: Michigan

Project No.: F-53-R-13

Study No.: 476

Title: Assessment of walleye recruitment in the western basin of Lake Erie

Period Covered: April 1, 1996 to March 31, 1997

Study Objective: To identify and quantify factors controlling egg survival, and growth and survival of larval walleye on and adjacent to mid-lake reef habitats in the western basin of Lake Erie. More specifically, we will examine the effects of substrate morphology, wind/wave action, and water temperature on walleye egg survival at selected spawning shoals in western Lake Erie. Diet, growth, and survival of the age-0 cohort through the first growing season will also be examined.

Findings: Results of this study are given in the following thesis:

Roseman, E. F. 1997. Factors influencing the year-class strength of reef-spawned walleye in Lake Erie. M. S. Thesis. Michigan State University, East Lansing.

Prepared by: Ed F. Roseman

Dated: March 31, 1997