

STUDY FINAL REPORT

State: Michigan

Project No.: F-35-R-22

Study No.: 645

Title: Productivity Capacity of the Betsie River Watershed for Steelhead Smolts

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

Study Objective: To determine the current and potential productive capacity of the Betsie River watershed for steelhead smolts. In particular, we will determine the current level of wild and hatchery steelhead production from the Betsie River, determine the overwinter survival of smolts, monitor temperatures and thermal limitations throughout the watershed, and monitor the catch of hatchery fish released into the Betsie River in the Lake Michigan and Betsie River fisheries.

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

Newcomb, T. J. 1997. Productive capacity of the Betsie River Watershed for steelhead smolts. Ph.D. Dissertation, Michigan State University, East Lansing.

Harbeck, J. R. 1997. Relative contribution and comparative life history characteristics of wild and hatchery steelhead trout from the Betsie River, Michigan. M.S. Thesis, Michigan State University, East Lansing.

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Dated: March 31, 1997