A. Grant Number:

B. Amount of Grant: $89,774

C. Project Title: Evaluation of the effectiveness of fishery replenishment areas in West Hawai`i with recommendations towards the establishment of an MPA network in the state of Hawai`i

D. Grantee: Brian Tissot, William Walsh, Leon Hallacher

E. Award Period: Jan. 1 - Dec. 31, 2004

F. Period covered by this report: Apr. 1 - June 30, 2004

G. Work Accomplishments:

a. Provide a brief summary of progress, including results obtained to date, and their relationship to the general goals of the grant; and

   • We have completed three surveys this quarter at all sites in west Hawai`i (n=276 fish transects).
   • We have completed taking still images of all sites in west Hawai`i (1840 images).
   • We have completed video/still image comparison and quality control analysis for the 2004 benthic survey of all sites.
   • We have made significant progress on a random point analysis of images from 15 of the 23 sites.
   • We have begun diver-towed habitat surveys at selected sites to build a meso-scale habitat map with ecological resolution for examination of life history shifts in habitat use.

b. Provide a brief summary of work to be performed during the next year of support, if changed from the original proposal; and indication of any current problems or favorable or unusual developments; and any other significant information pertinent to the type of project support by COP, or as specified by the terms and conditions of the grant.

   • We would like to continue the monitoring of all sites throughout the year as the monitoring data is key to understanding the effectiveness of the reserves. We also plan to focus more on habitat and the relationship of shifts in fish life history to spatial variation in fine-scale habitat characteristics.
2. **Applications:**

a. Publications, presentations, workshops;


b. Applications to management or research;

As Dr. William Walsh, the fisheries biologist which oversees fishery management issues in west Hawai‘i, is a co-Principal Investigator on this project, the data is provided to him as soon as it is available and is thus directly available to address ongoing management issues.

c. Data and/or information products


d. Partnerships established with other federal, state, or local agencies, or other research institutions (other than those already described in the original proposal).

Nothing new

3. **Expenditures:**

a. Scheduled expenditures
Approximately 50% of total budget, or about $44,500.

b. Actual expenditures

Approximately 40% of total budget, or about $35,000.

c. Special problems

None

Prepared By: ___________________________________________________

Signature of Principle Investigator                           Date