

**JIMAR, PFRP ANNUAL PROGRESS REPORT
FY 2002**

P.I. Name: Dr. Sam Pooley & Dr. Minling Pan (started from November 2002)

Project Proposal Title: Economic Fieldwork on Pelagic Fisheries in Hawaii

Funding Agency: Cooperative agreement between JIMAR and NOAA

1. Purpose of the project and indicative results.

Part A: Longline

The main objective of the project is to resurvey the Hawaii-based domestic longline fleet to provide revised baseline data for conducting regulatory impact analyses on forthcoming regulations. This project is to extend the work initiated in 1994 with a thorough survey of the Hawaii-based domestic longline fleet, small-boat pelagic fishing vessel and charter fishing boats.

Part B. Blue Marlin Valuation

The main objective of the project is to study small-boats, charter-boat, and tournament anglers to elicit explicitly non-market economic values for blue marlin using standard contingent valuation techniques.

2. Progress during FY 2003. Provide a thorough discussion of accomplishments and problems.

The re-studying project interviewed 62 vessels, about half of the fleet, during 2000-2001 on their 2000 vessel operations through person-to-person interview with vessel owners, captains, and crew. A report based on the study was completed and published (JIMAR contribution 03-348) in 2003. The report includes 1) an updated baseline of cost-earnings information for the Hawaii-based longline vessels, 2) identification of critical economic differences between 1993 and 2000, 3) costs to fishermen to switching target from swordfish target and tuna target, and 4) some economic aspects of fishing behavior in the longline fishing vessels. The study and report were prepared by UH JIMAR staff.

Even though, these 62 vessels are a significant portion of the Hawaii-based longline fleet, about 50% of the fleet size in 2000, the majority of Vietnamese-American operated vessels have not yet been interviewed because of the language barriers in communicating during in-person interviews and the fact that some vessels left Hawaii to California to continue swordfish fishing due to the federal ruling of prohibition of swordfish fishing.

3. Plans for the next fiscal year.

- A. The UH JIMAR staff plans to extend the re-studying effort to the Vietnamese-American operated vessels that had not been included into the survey during 2000-2001. Additional funds are needed to accomplish this task, and the requested budget is attached in a separate page.

- B. The proposal on blue marlin evaluation requested funds \$184,710 which was approved by the PFRP steering committee. We expect to initiate this work in the fall.

4. List of papers published in refereed journals during FY 2003.

None

5. Other papers, technical reports, meeting presentations, etc.

Joseph M. O'Malley and Samuel G. Pooley. 2003. Economic and Operational Characteristics of the Hawaii-based Longline Fleet in 2000. SOEST 03-01, JIMAR contribution 03-348

**6. Names of students graduating with MS or Ph.D. degrees during FY 2002.
Include title of thesis or dissertation.**

None

7. For multi-year projects, provide budget for the next year on a separate page.

N/A