P.I Name: John Sibert

Project Title: Pelagic Fisheries Research Program - Management

Funding Agency: NOAA

NOAA Goal (Check those that apply):

☐ To protect, restore, and manage the use of coastal and ocean resources through ecosystem-base management

☐ To understand climate variability and change to enhance society’s ability to plan and respond

☐ To serve society’s needs for weather and water information

☐ To support the nation’s commerce with information for safe, efficient, and environmentally sound transportation

1. Purpose of the Project (one paragraph)

Manage the activities of the PFRP, solicit and implement new research proposal, and promote science based management of fisheries for highly migratory fisheries in the western Pacific Ocean.

2. Progress during FY 2005:

• Work closely with the PIFSC to improve budgetary arrangements and coordination of research programming.

Communications with PIFSC have greatly improved. For the first time in its history the PFRP has received notification in advance of the budget for the new appropriation and a detailed briefing on new NOAA contracting and online application procedures. The NEPA requirements may be overly strict.

• Facilitate international collaboration in research on pelagic fisheries.

The PFRP remains active in international tuna research and management. The PFRP Program Manager was a member of the United States Delegation to the third (and final) meeting of the Science Coordinating Group of Preparatory Conference for the Commission for the Conservation and Management of Highly Migratory Fish Stocks in Western and Central Pacific (WCPFC). Several PFRP scientists made presentations to the seventeenth (and final) meeting of the Standing committee on Tuna and Billfish in
Majuro, Republic of Marshall Islands, August 9-18, 2004. The PRFP Program Manager is Chair of the SCTB Methods Working Group and has completed evaluation of stock assessment methods and specific stock assessment results. PFRP Researcher David Itano is Chair of the SCTB Fishing Technology Working Group. The PFRP hosted meetings of three working groups of the new GLOBEC project, CLIOTOP (Climate Impacts on Oceanic Top Predators) in conjunction with annual PFRP Principal Investigators workshop. The first meetings of CLIOTOP working groups 2 (Physiology, behavior and distribution), 4 (Synthesis and modeling) and 5 (Socio-economic aspects and management strategies) in December 1-3 in Honolulu. GLOBEC invited the PFRP Program Manager to serve on the CLIOTOP Steering Committee.

- Education and training

The PFRP actively promotes graduate education in fisheries. The PRFP Program Manager assisted in creating the proposal for a new Coastal and Marine Resources (CMR) graduate degree program. Unfortunately, the University of Hawaii’s Graduate Division did not see fit to approve the proposal and asked for revisions. The CMR curriculum coordinator, funded from the PFRP Management budget, suffered serious health problems which interfered with his ability to perform his duties. It is not clear when the CMR program will accept its first students.

The PFRP currently supports one graduate research assistants. Brittany Graham, a PhD candidate in the Oceanography Department, continues to be a productive member of the pelagic food web project, “Trophic structure and tuna movement in the cold tongue-warm pool pelagic ecosystem of the equatorial Pacific”. Richard Hall, a Masters candidate in the Geography Department, has completed his tenure with the PFRP.

3. Plans for the next fiscal year (one paragraph):

- Convene a workshop to identify new research priorities for the PFRP.

The original PFRP research priorities were established in a 1992 workshop. Most of the topics identified during that workshop were addressed in the first few years of PFRP operations. In the intervening years, fishery management concerns, governance arrangements, and the fisheries themselves have changed drastically. A second workshop to identify new research priorities for the PFRP would be very helpful in formulating future Request for Proposals. Other fishery agencies such as the Inter-American Tropical Tuna Commission (IATTC) and the Secretariat of the Pacific Community’s Oceanic Fisheries Program (SPC/OFP, New Caledonia) have indicated willingness to participate.

- Work closely with the PIFSC to improve budgetary arrangements and coordination of research programming.

The latest NOAA grants and applications procedures are proving onerous. The PFRP Program Manager will work closely with PIFSC staff to try to streamline the process.
- Facilitate international collaboration in research on pelagic fisheries.

The SCTB has been supplanted by the Scientific Committee and Specialist Working Groups of the WCPFC. PFRP staff and researchers will be participating in these groups. The PFRP Program Manager will participate fully in the CLIOTOP Steering Committee.

- Education and training

The PFRP will continue to promote graduate education at UH and will work closely with SOEST administration to assist in implementation of the CMR.


See attached publications list.

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

See attached publications list.

6. Graduates (Names of students graduating with MS or PhD degrees during FY 2005. Provide titles of their thesis or dissertation):

None

7. Awards (List awards given to JIMAR employees or to the project itself during the period): None

8. Publication Count (Total count of publications for the reporting period and previous periods categorized by NOAA lead author and Institute (or subgrantee) lead author and whether it was peer-reviewed or non peer-reviewed (not including presentations):

<table>
<thead>
<tr>
<th></th>
<th>JL Lead Author</th>
<th>NOAA Lead Author</th>
<th>Other Lead Author</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY03 FY04 FY05</td>
<td>FY03 FY04 FY05</td>
<td>FY03 FY04 FY05</td>
</tr>
<tr>
<td>Peer-reviewed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-peer reviewed</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. Students and Post-docs (Number of students and post-docs that were associated with NOAA funded research. Please indicate if they received any NOAA funding. For institutes that award subcontracts, please include information from your subgrantees):

Brittany Graham (Oceanography graduate assistant) and Richard Hall (Geography graduate assistant). Both received NOAA funding

10. Personnel:

   (i) Number of employees by job title and terminal degree that received more than 50% support from NOAA, including visiting scientists (this information is not required from subgrantees): Program Manager (PhD), Administrative Coordinator (Masters Library Studies),
(ii) Number of employees/students that received 100% of their funding from an OAR laboratory and/or are located within that laboratory. None

(iii) Number of employees/students that were hired by NOAA during the past year: None

11. Images and Captions (JIMAR will be including images in the annual report. Please send two of your best high-resolution, color images (photo, graphic, schematic) as a JPEG of TIFF with a caption for each image. Hardcopies of images can be dropped off at the JIMAR office if no electronic versions are available.

Budget – see attached budget sheet
FY 2005 PFRP Publications, Manuscripts, Presentations

**Published in Refereed Journals**


Hyde, Lynn, Humphreys Jr., Musyl, West and Vetter, 2005. Shipboard identification of fish eggs and larvae by multiples PCR and description of fertilized eggs of blue marlin, shortbill spearfish and wahoo. 286:269-277 *Marine Ecology Progress Series*


**Manuscripts**


Swimmer, Y. Relationship Between Atmospheric Basking and Disease in Captive Green Turtles (*Chelonia mydas*). *Chelonian Conservation and Biology*. Submitted.


**Other Publications**


Pan, Minling and Timothy Ming. Working Paper, A pilot study on imported frozen tunas treated with tasteless smoke (CO) and its impact to Hawaii fresh tuna market.


**Conference Presentations**


Allain, V. Diet of yellowfin tuna in different areas of the western and central Pacific Ocean. 17th Meeting of the Standing Committee on Tuna and Billfish. Majuro, Marshall Islands. 9-18 August 2004.


López-Ibarra, G. Trophic structure of the pelagic copepods in the eastern tropical Pacific Ocean. GLOBEC OFCCP and CLIOTOP Workshop on the Application of Stable Isotopes in Pelagic Ecosystems, La Paz, B.C.S., Mexico, 31 May–1 June 2004.


Olson, R. Sample-size considerations. GLOBEC OFCCP and CLIOTOP Workshop on the Application of Stable Isotopes in Pelagic Ecosystems, La Paz, B.C.S., Mexico, 31 May–1 June 2004.


