

JIMAR – PFRP ANNUAL REPORT FOR FY 2005

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Project Proposal Title: Describing the Vertical Habitat of Bigeye and Albacore Tunas and Post Release Survival for Marlins in the Central Pacific Longline Fisheries with Pop-up Archival Transmitting Tags

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)

To describe the vertical habitat and horizontal movements of bigeye and albacore tunas in the central Pacific. These tunas are target species in longline fisheries in both Hawaii and American Samoa, and an understanding of the habitats and movements of these species is needed as a background to fisheries management.

2. Progress during FY 2005 (One-two paragraphs, including a comparison of the actual accomplishments to the objectives established for the period, and the reasons for slippage if established objectives were not met):

Analyses of the acoustic data collected on the American Samoa cruise in March 2004 has been completed. Analyses of the temperature and depth occupied by two albacore tagged in waters around American Samoa with Pop-up Archival Transmitting (PAT) tags has been completed. These data were presented at the PFRP PIs meeting in December 2004. Results will also be presented at the Tuna Conference in May 2005. Bigeye movement data around Hawaii based on PAT tags was computed using light and SST-based geolocation. These results will be presented at the Tuna Conference in May 2005. A March 2005 tagging cruise was conducted to deploy more PAT tags on bigeye around Hawaii.

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

Conduct more tagging of bigeye and albacore in waters around both American Samoa and Hawaii. Write manuscripts on the results for publications.

4. List of papers published in refereed journals during FY 2005.

5. Other papers, technical reports, meeting presentations, etc.
One presentation at the December 2004 PFRP PIs meeting and two presentations planned for the Tuna Conference in May 2005.

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

7. Awards (List awards given to JIMAR employees or to the project itself during the period):

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):

	JL Lead Author			NOAA Lead Author			Other Lead Author		
	FY03	FY04	FY05	FY03	FY04	FY05	FY03	FY04	FY05
Peer-reviewed									
Non-peer reviewed									

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):
One Post-doc with salary funded by this project.

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): 1 Post-doc, Ph.D. physical oceanography

 - (ii) Number of employees/students that received 100% of their funding from an OAR laboratory and/or are located within that laboratory.

 - (iii) Number of employees/students that were hired by NOAA during the past year:

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 or TIFF with a caption for each image. Hardcopies of images can be dropped off at the JIMAR office if no electronic versions are available.

- Caption 1:

- Caption 2: