

JIMAR – PFRP ANNUAL REPORT FOR FY 2007

P.I./Sponsor Name: John Kaneko and Paul Bartram, John Sibert (UH, JIMAR)

Project Proposal Title: Incidental catch of Non-target Fish Species and Sea Turtles:
Comparing Hawaii's Pelagic Longline Fishery Against Others.
(Project No. 658849)

Funding Agency: NOAA

NOAA Goal (Check those that apply):

- ☒ X 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)

The purpose is to evaluate the incidental catch rates of non-target fish species and sea turtles in Hawaii's longline fishery and make comparisons with other pelagic longline fisheries using a methodology patterned after Hall (1999). The final report titled: *Catch to Bycatch Ratios: Comparing Hawaii's Longline Fisheries with Others*, was prepared and distributed as SOEST 0-05 JIMAR Contribution 04-352. Later in 2005, an extension of the project was awarded. The purpose of the extension is to develop (where possible) pelagic longline gear profiles of Japanese and Taiwanese longline fleets in the WCPO producing ultra-low temperature (ULT) frozen sashimi bigeye tuna. Efforts will be made to expand (where possible) the pelagic longline profiles to include information on the number and size of vessels, fish hold capacity, type of refrigeration/freezer, target species and target market in addition to the information on gear and fishing practices.

2. Progress during FY 2007 (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):

For the project extension period, we proposed a combination of desk-based work and travel to attempt to collect information detailing fishing gear configurations and operating methods from Taiwanese ULT freezer tuna longline vessels to complete the fleet operational profiles. Several interviews were completed during this period with representatives of vessels in this fleet, through the assistance of industry contacts in

Taiwan. A trip to Kaohsiung Taiwan had been planned, but we again faced scheduling conflicts with the bilingual tuna industry specialist and contacts in Taiwan.

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

The trip to Kaohsiung Taiwan is now being planned for the fall of 2007 to conduct interviews with fishing industry representatives and fishing vessel captains. The longline fishing gear and operational profiles for the Japanese and Taiwanese ULT frozen sashimi tuna longliners will then be summarized and included in the final project report. A draft manuscript for publication in an appropriate peer reviewed journal will be prepared comparing the catch to bycatch ratio (C/B ratio for sea turtles) for the Hawaii longline fishery generated in the first phase of the project with an updated C/B ratio for the fishery based on more current data to document and quantify the change in fishery performance in turtle bycatch reduction efforts.

4. List of papers published in refereed journals during FY 2007.

Kaneko, JJ and NVC Ralston, 2007 (accepted). Selenium and Mercury in Pelagic Fish in the Central North Pacific Ocean near Hawaii. Biology Trace Element Research

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

Bartram, P, JJ Kaneko and G Krasnick, 2006. Responsible Fisheries Assessment of Hawaii's Pelagic Longline Fisheries. Hawaii Seafood Project, PacMar Inc. Honolulu, NOAA (Award No. NA05NMF4521112) pp 232.

6. Graduates (Names of students graduating with MS or PhD degrees during FY 2007. Provide titles of their thesis or dissertation):

Does not apply.

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):

	JL Lead Author			NOAA Lead Author			Other Lead Author		
	FY05	FY06	FY07	FY05	FY06	FY07	FY05	FY06	FY07
Peer-reviewed	0	0	1				0	1	0
Non-peer reviewed	2	0	0				4	0	0

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):

None.

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): Does not apply.
- (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 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.

We do not have photos.

- Caption 1:
- Caption 2:

12. For multi-year projects, provide budget for the next year on a separate page. Contact Dodie Lau to confirm whether or not your project is to receive continuation funds (e.g., year 2, year 3), and for budget preparation assistance, lau@hawaii.edu

We have applied for and been granted a no-cost extension of until 6/30/08. No additional funding is anticipated.