

JIMAR ANNUAL REPORT FOR FY 2010

P.I./SPONSOR NAME: Dr. Minling Pan, Economist, Pacific Islands Fisheries Science Center, Dr. Kevin Weng, UH JIMAR PFRP

NOAA OFFICE (Of the primary technical contract): NMFS/PIFSC

PROJECT PROPOSAL TITLE: Economic Fieldwork on Pelagic Fisheries in Hawaii

FUNDING AGENCY: NOAA

NOAA GOAL (Check those that apply):

- ☒ To protect, restore, and manage the use of coastal and ocean resources through ecosystem-based 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

PURPOSE OF THE PROJECT (One paragraph):

The main objective of the research has been to investigate possible potential long-term pricing relationships among the major landings of the Hawaii tuna longline fishery (for bigeye, yellowfin, skipjack, and albacore). In FY2010, the project conducted statistic analysis by using the multivariate Markov-switching error-correction model to study the tuna price responses to changes in the quantity of landings, market structure, and ecosystem conditions in the Hawaii market.

PROGRESS DURING FY 2010 (One-two paragraphs, including a comparison of the actual accomplishments to the objectives established for the period, and the reasons for the slippage if established objectives were not met):

This project was completed in 2010. The results from the study were presented in two international conferences and one workshop (see list of presentations below). A draft report titled "Tuna Price in Response to Changes of Market Structure and Ecosystem Conditions - Price Linkage between Hawaii and Japanese Tuna Sashimi Markets" was completed and is under revision.

PLANS FOR THE NEXT FISCAL YEAR (One paragraph):

Produce the final report and send out for publication.

LIST OF PAPERS PUBLISHED IN REFERRED JOURNALS DURING FY 2009, in the following format: (Author or authors with last name and initials, publication year: Article title. *Journal name*, volume, page range.) For example: Charney, J.G., and A. Eliassen, 1964: On the growth of the hurricane depression. *J. Atmos. Sci.*, 21, 68-75.

None.

OTHER PAPERS, TECHNICAL REPORTS, ETC.:

Presentations:

M. Pan, C.J. Sun, and D. Squires. 2009. "Price Linkage and Structural Breaks between Hawaii and Japan Tuna Sashimi Markets". The North Pacific Marine Science Organization (PICES) 2009 Annual Meeting, Jeju, Korea, October 23-29, 2009

M. Pan, C.J. Sun, and D. Squires. 2010. "Tuna Price in Response to Changes of Market Structure and Ecosystem Conditions - Price Linkage between Hawaii and Japanese Tuna Sashimi Market". Workshop on Global Tuna Demand, Fisheries Dynamics and Management in the Eastern Pacific Ocean 2010, May 13-14, 2010, La Jolla, CA.

M. Pan, C.J. Sun, and D. Squires. 2010. "Tuna Price in Response to Changes of Market Structure and Ecosystem Conditions - Price Linkage between Hawaii and Japanese Tuna Sashimi Market". International Institute of Fisheries Economics and Trade (IIFET) 2010, Montpellier, France, July 13-16, 2010

GRADUATES (Names of students graduating with MS or PhD degrees during FY 2009; Titles of their Thesis or Dissertation):

None

AWARDS (List awards given to JIMAR employees or to the project itself during the period):

None

PUBLICATION COUNT (Total count of publications for the reporting period and categorized by NOAA lead author and Institute (or subgrantee) lead author and whether it was peer-reviewed or non peer-reviewed (not including presentations):

None

	JI Lead Author	NOAA Lead Author	Other Lead Author
Peer Reviewed			
Non-Peer Reviewed			

PERSONNEL: None

For projects that awarded subcontracts in the fiscal year, please provide the number of supported postdocs and students from each subgrantee.

IMAGES AND CAPTIONS (We will also be including images for the annual report.

Please send two of your best high-resolution, color images (photo, graphic, schematic) as a **JPEG or TIFF (300 dpi)** with a caption for each image. If you do not have an electronic version of the image, a hardcopy version may be dropped off at the JIMAR office located in the Marine Sciences Building, Room 312):

- Caption 1:

- Caption 2: