JIMAR ANNUAL REPORT FOR FY 2009

P.I./SPONSOR NAME: Kim Holland, David Itano, Kevin Weng

NOAA OFFICE (Of the primary technical contract): PIFSC

PROJECT PROPOSAL TITLE: Hawaii Tuna Tagging Project 2

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. This project is designed to update and expand out knowledge of the population dynamics and dispersal rates of Yellowfin, bigeye and skipjack tuna found in coastal waters around the main Hawaiian islands. This is in response to the data requirements of the newly established western and central Pacific Fisheries Management Council and in recognition of the fact that the population dynamics of these species may have changed in recent years due to the fishing activities in the broader pacific region. Emphasis will be placed on conventional "spaghetti tagging" augmented with some acoustic tagging.

PROGRESS DURING FY 2009. This is the first year of this project and almost all activity has been involved with preparing the appropriate conditions for the fieldwork phases of this project. This included purchase of the tags and in the refining of data management systems. Considerable effort has been directed in finding suitable fishing vessels for the fieldwork and in ensuring that these vessels meet the pertinent operational and insurance requirements of the University of Hawaii. These efforts have proved tedious and time consuming but good progress has been made and we anticipate a productive 2009/2010 field season.

PLANS FOR THE NEXT FISCAL YEAR (One paragraph): The next year's work will consist of extensive field work utilizing commercial fishing boats and UH vessels.

LIST OF PAPERS PUBLISHED IN REFERRED JOURNALS DURING FY 2008, 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.

OTHER PAPERS, TECHNICAL REPORTS, ETC.:

GRADUATES (Names of students graduating with MS or PhD degrees during FY 2008; Titles of their Thesis or Dissertation):

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

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):

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

PERSONNEL:

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):

Captain, crew and fishery scientists on the R/V Soltai 105 conducting tuna tagging and fishery resource surveys in support of the Pacific Tuna Tagging Programme and the PFRP funded Hawaii Tuna Tagging Project 2