

JIMAR ANNUAL REPORT FOR FY 2008

P.I./SPONSOR NAME: John Sibert, PFRP

Judith R. Amesbury and Rosalind L. Hunter-Anderson, Micronesian
Archaeological Research Services (MARS)

NOAA OFFICE (Of the primary technical contact): PIFSC

PROJECT PROPOSAL TITLE: An Analysis of Archaeological and Historical Data on
Fisheries for Pelagic Species in Guam and the Northern Mariana Islands

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):

In recent years there has been greater recognition of the value of archaeological and historical records as important sources of information on patterns of marine resource use. The pelagic species have been harvested, not just for centuries, but for millennia in the Mariana islands. How or whether that affects fish stocks today should be taken into account in managing the pelagic fisheries. Project researchers have access to and are familiar with the long-term data on fisheries in the Mariana Islands. Earlier reports produced for the Western Pacific Regional Fishery Management Council evaluated existing evidence (archaeological, ethnological and historical) for preferential fishing rights for the indigenous peoples of the Marianas. For this project, research archaeologists will produce a report on the long-term data concerning fisheries for pelagic species in both Guam and the Northern Mariana Islands. Though the report will be based mainly on archival review, researchers plan to conduct interviews and to have one or more collections of fish bones analyzed for taxa represented, body size, habitat and catch method.

PROGRESS DURING FY 2008 (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):

MARS has produced a report on the long-term data concerning fisheries for pelagic species in Guam and the Northern Mariana Islands. The report is based mainly on archival review. In addition two collections of archaeological fish bones from Guam were analyzed by Foss Leach and Janet Davidson of New Zealand to add to the data from the Prehistoric Period. Also a Japanese-speaking researcher, Wakako Higuchi, went to Japan to obtain fishery data from the Japanese Period (1914-1944) in the Northern Marianas. Interviews were conducted with fishermen on each of the four major islands (Guam, Saipan, Tinian, and Rota). The report was completed in May 2008 and is currently available on the PFRP website:

http://www.soest.hawaii.edu/PFRP/pub_list_misc.html

The reports from Foss Leach and Janet Davidson and Wakako Higuchi are included as appendices.

PLANS FOR THE NEXT FISCAL YEAR (One paragraph): Project has been completed.

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.:

Amesbury, Judith R. and Rosalind L. Hunter-Anderson. 2008. An Analysis of Archaeological and Historical Data on Fisheries for Pelagic Species in Guam and the Northern Mariana Islands. Prepared for Pelagic Fisheries Research Program, University of Hawai'i at Mānoa, by Micronesian Archaeological Research Services, Guam.

Amesbury, Judith R. 2008. Pelagic fishing in prehistoric Guam, Mariana Islands. Pelagic Fisheries Research Program Newsletter 13(2):4-8.

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			1

PERSONNEL:

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

Employees of Micronesian Archaeological Research Services received the following hours of pay from this grant: Amesbury 680, Hunter-Anderson 280, Illustrators 60. Foss Leach, Janet Davidson, and Wakako Higuchi were paid as consultants.

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: