

JIMAR ANNUAL REPORT FOR FY 2008

P.I./SPONSOR NAME: John Sibert, Mark Maunder

NOAA OFFICE (Of the primary technical contract):

PROJECT PROPOSAL TITLE: A General Bayesian Integrated Population Dynamics Model for Protected Species

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 objective of the project is to generate a general Bayesian integrated modeling framework for protected species modeling that can be applied to multiple species and used to provide management advice. Models will be developed based on the general framework and used to estimate the effect of fisheries on the protected species populations.

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): The general framework and the general covariate model applications to the Tern Island population of black footed albatross were updated and the results presented at the PFRP hosted Albatross Modeling Workshop, November 7-9, 2007. The final data sets have yet to be provided to our group and therefore the results are still preliminary.

PLANS FOR THE NEXT FISCAL YEAR (One paragraph): This project is complete. However, further unfunded work will be carried out to update the data used in the two models and to submit two manuscripts to primary journals.

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.

No publications were published in FY 2008. One publication will come out at the end of 2008 and two manuscripts are in preparation for submission once final data sets are available.

OTHER PAPERS, TECHNICAL REPORTS, ETC.:

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

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

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):

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	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):

- Caption 1: Because the data is still preliminary, it is not appropriate to provide figures for inclusion in the annual report.
- Caption 2: