



# University of Hawaii at Manoa

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From: Pierre Flament  
To: John Sibert  
Subject: annual report

0. Funding agency: NOAA

(there was no funding for this project during June 1997-May 1998)

1. Purpose of project:

Study of the physical oceanography environment of pelagic fishes in the Hawaiian EEZ.

2. Progress during FY1997:

We have submitted a manuscript to Nature describing eddy generation in the lee of the Hawaiian islands and the Hawaii Lee Counter-Current. We are completing two additional papers based on this data set, one on case studies of eddy formation in the lee of the Hawaiian islands, to be submitted Journal of Geophysical Research, and the other on eddy statistics inferred from the drifter array, to be submitted to Journal of Physical Oceanography. Both paper will be chapters of Rick Lumpkin's dissertation.

3. Plan for the next fiscal year.

Submit and revise papers listed above; continue processing of data and merging with satellite data.

4. List of papers in refereed journals funded by this project:

One submitted, two in preparation.

5. Other papers, etc...

B. Qiu, D.A. Koh, C. Lumpkin, P. Flament, "On the existence and formation mechanism for the north Hawaiian ridge current", J. Phys. Oceanog., 431-444 (1997).

6. Name of students graduating.

Rick Lumpkin (expected Fall 1998).

7. Budget

Attached.