

October 24, 1990 FXSWC2.BEB  
CR9008-1.BEB

CRUISE REPORT

VESSEL: *Townsend Cromwell*, cruise 90-08 (TC-156)

CRUISE PERIOD: October 9-17, 1990

AREA OF OPERATION: French Frigate Shoals (FFS) and Laysan Island (Fig. 1)

TYPE OF OPERATION: U.S. Fish and Wildlife Service (USFWS) personnel, equipment, and supplies were transported to FFS to resupply the USFWS station at Tern Island.

Personnel from the Southwest Fisheries Center (SWFC) Honolulu Laboratory (HL) and Long Island University (LIU), and supplies and equipment were transported to Laysan Island to establish the MMESP field camp.

- ITINERARY: October 9 - Departed Honolulu for FFS. On board Brenda L. Becker, Margaret M. Lee, Karen L. Lombard, Walter A. E. Machado, Matthew Moorman, and Craig Rowland.
- 11 - Arrived Tern Island, FFS. Off-loaded equipment and supplies; disembarked Rowland and a field party; and embarked field party. Departed FFS and proceeded to Laysan Island.
- 13 - Arrived Laysan Island. Off-loaded field equipment and supplies; disembarked Becker, Lee, Lombard, Machado, and Moorman. Departed Laysan Island and proceeded to Honolulu.
- 17 - Arrived Snug Harbor, Honolulu. End of cruise.

MISSION AND RESULTS:

- A. Resupply USFWS field station at FFS and conduct tagging and resights of Hawaiian monk seals for ongoing population monitoring studies.
  - 1. The USFWS personnel were disembarked, and MMESP and USFWS equipment and supplies were off-loaded at Tern Island, FFS.
  - 2. Three Hawaii monk seal weaned pups were tagged, and a skull from a dead immature seal was collected.
- B. Deploy MMESP field camp at Laysan Island.
  - 1. The MMESP and LIU personnel were disembarked, and equipment and supplies were off-loaded at Laysan Island.
- C. General observations and miscellaneous activities.
  - 1. Bird flock, fish schools, and marine mammal sightings were recorded by the ship's officers and crew during daylight hours when possible.
  - 2. Standard weather observations were made at 0000, 0300, 0600, 0900, 1200, 1500, 1800, and 2100 (G.m.t.) each day as part of the SEAS project.
  - 3. An XBT was made at 0000, 0300, 0600, 1200, 1500, and 1800 (G.m.t.) each day as part of the SEAS project.

SCIENTIFIC PERSONNEL:

Brenda L. Becker, Chief Scientist, NMFS, SWFC HL  
 Margaret M. Lee, Research Assistant, NMFS, SWFC HL  
 Karen B. Lombard, Research Assistant, NMFS, SWFC HL  
 Walter A. E. Machado, Research Assistant, NMFS, SWFC HL  
 Matthew Moorman, Cooperating Scientist, LIU  
 Craig Rowland, Cooperating Scientist, USFWS

Submitted by: \_\_\_\_\_  
 Brenda L. Becker  
 Chief Scientist

Approved by: \_\_\_\_\_  
 George W. Boehlert  
 Director, Honolulu  
 Laboratory

Attachment