

August 30, 2000

F/SWC2:BLB:JEG
CR9103-1.BLB

CRUISE REPORT

VESSEL: *Townsend Cromwell*, cruise 91-03 (TC-161)

CRUISE PERIOD: 26-30 March, 1991

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

TYPE OF OPERATION: Southwest Fisheries Center (SWFSC) Honolulu Laboratory (HL) and U.S. Fish and Wildlife Service (USFWS) personnel and equipment and supplies were transported to FFS to establish a Marine Mammal and Endangered Species Program (MMESP) field camp and to resupply the USFWS field station at Tern Island, FFS. SWFSC HL personnel and equipment and supplies were transported to Laysan Island to establish a MMESP field camp and resupply the USFWS field camp.

ITINERARY:

- 26 March - Departed Snug Harbor, Honolulu for FFS. On board Brenda L. Becker, Mitchell P. Craig, Elizabeth Flint, Laura E. Gill, Karen B. Lombard, Kristen O'Brien, Susan P. Schwartz, and David H. Woodside.
- 28 March - Arrived Tern Island, FFS. Off-loaded equipment and supplies; disembarked Craig, Flint, Gill, Schwartz, and Woodside. Departed FFS and proceeded to Laysan Island.
- 30 March - Arrived Laysan Island. Off-loaded field equipment and supplies; disembarked Becker, Lombard, and O'Brien. Departed Laysan Island and proceeded to Bellingham, Washington. End of cruise.

**MISSION
AND
RESULTS:**

- A. Deploy MMESP field camp and resupply USFWS field station at FFS.
 - 1. The MMESP and USFWS personnel were disembarked, and equipment and supplies were off-loaded at Tern Island FFS.
- B. Deploy MMESP field camp and resupply USFWS field camp at Laysan Island.
 - 1. The MMESP personnel were disembarked, and equipment and supplies were off-loaded at Laysan Island.
- C. Transport a frozen dolphin specimen to National Marine Fisheries Service (NMFS) Marine Mammal Laboratory (MML) in Seattle, Washington.
 - 1. The frozen dolphin specimen was transported to the MML in Seattle, Washington.
- D. 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. Two false killer whales were sighted.
 - 2. Standard weather observations were made at 0000, 0300, 0600, 900, 1200, 1500, 1800, and 2100 (G.m.t.) daily as part of the SEAS project.
 - 3. An XBT was made at 0000, 0300, 0600, 1200, 1500, and 180 (G.m.t.) daily as part of the SEAS project.

**SCIENTIFIC
PERSONNEL:**

26-28 March

Mitchell P. Craig, Research Assistant, National Marine Fisheries Service (NMFS), Southwest Fisheries Science Center (SWFSC), Honolulu Laboratory (HL)
 Elizabeth Flint, Cooperating Scientist, U.S. Fish and Wildlife Service (USFWS)
 Laura E. Gill, Cooperating Scientist, USFWS
 Susan P. Schwartz, Cooperating Scientist, USFWS
 David H. Woodside, Cooperating Scientist, USFWS

26-30 March

Brenda L. Becker, Chief Scientist, NMFS, SWFSC, HL
Karen B. Lombard, Research Assistant, NMFS, SWFSC, HL
Kristen O'Brien, Research Assistant, NMFS, SWFSC, HL

Submitted by: _____
Brenda L. Becker
Chief Scientist

Approved by: _____
George W. Boehlert
Director, Honolulu
Laboratory

Attachment