

April 22, 2002

F/SWC2:CY:FLF  
CR0105-1.CY

### CRUISE REPORT<sup>1</sup>

**VESSEL:** *Townsend Cromwell*, Cruise 01-05 (TC-268)

**CRUISE PERIOD:** 10-25 May 2001

**AREA OF OPERATION:** Northwestern Hawaiian Islands (Fig. 1)

**TYPE OF OPERATION:** To deploy the Marine Mammal Research Program (MMRP) monk seal field camps at Pearl and Hermes Reef, Kure Atoll, and French Frigate Shoals (FFS). In addition, the cruise will resupply existing field camps at Laysan Island and Lisianski Island.

#### ITINERARY:

Itinerary is based upon ship speed of 9.0 knots westbound and 8.5 knots eastbound.

- 10 May - Embark Chad Yoshinaga, Ray Boland, Lizabeth Kashinsky, Brenda Becker, Suzanne Canja, David Carroll, Allan Ligon, Patricia Haase, Bert Harting, and Amy Mooreland. Depart Snug Harbor 1000 en route to FFS (2 days, 4 hours).
- 11 May - In transit (no CTD casts).
- 12 May - Arrive French Frigate Shoals 1400. Off-load all supplies and equipment, including 17-ft Boston Whaler, three outboard engines, observation tower, and three pallet tubs. Disembark Becker, Canja, and Ligon. Embark Kater Bourdon. Load one 15-ft EdgeWater. Depart FFS 1900 en route to Laysan Island (1 day, 11 hours).
- 13 May - In transit.

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<sup>1</sup>This is a combined cruise and narrative report.

- 14 May - Arrive Laysan Island 0800. Off-load all supplies and equipment. Refill all water jugs on island. Disembark Carroll. Embark Alex Wegmann, Brad Ryon, and Robert Braun. Depart Laysan Island 1600 en route to Lisianski Island (13 hours).
- 15 May - Arrive Lisianski Island 1100. Off-load all supplies and equipment. Refill all water jugs on the island. Depart Lisianski Island 1700 en route to Midway Atoll (1 day, 3 hours).
- 16 May - Arrive Midway Atoll 1800. Off-load all equipment and supplies. Disembark Ryon, Braun, and Bourdon.
- 17 May - Load equipment and supplies for Kure Atoll. Depart Midway Atoll 1600 en route to Kure Atoll (6 hours).
- 18 May - Arrive Kure Atoll 0800. Off-load all supplies and equipment, including one large pallet tub, 13-ft Boston Whaler, and three 15-hp Johnson/Evnirude outboard engines. Disembark Haase, and Harting. Depart Kure Atoll 1600 en route to Pearl and Hermes Reef (18 hours).
- 19 May - Arrive Pearl and Hermes Reef 1000. Off-load all supplies and equipment, including 15-ft EdgeWater, 17-ft Boston Whaler, three pallet tubs, six 55-gal drums of unleaded fuel, and one empty 55-gal drum. Disembark Yoshinaga, Boland, Kashinsky, and Wegmann. Depart Pearl and Hermes Reef 1900 en route to Honolulu (5 days, 8 hours)
- 20 May - In transit.
- 21 May - In transit.
- 22 May - Arrive FFS or Laysan Island.
- 23 May - In transit.
- 24 May - In transit.
- 25 May - Arrive Honolulu 0800. Off-load all supplies and equipment. Disembark Mooreland. End of cruise.

#### **MISSIONS AND RESULTS:**

- A. Transport and set up a field camp at French Frigate Shoals.  
Camp successfully deployed with all personnel and equipment.

- B. Transport and set up remote field camps at Pearl and Hermes Reef and Kure Atoll.

Camps successfully deployed with all personnel and equipment.

- C. Conduct CTD casts opportunistically.

Three CTD casts were conducted.

**SCIENTIFIC  
PERSONNEL:**

Chad Yoshinaga, Chief Scientist, National Marine Fisheries Service (NMFS), Southwest Fisheries Science Center (SWFSC), Honolulu Laboratory (HL).  
Brenda Becker, Wildlife Biologist, NMFS, SWFSC, HL  
Suzanne Canja, Cooperating Scientist, Joint Institute for Marine and Atmospheric Research (JIMAR), University of Hawaii (UH)  
Allan Ligon, Cooperating Scientist, JIMAR  
Kater Bourdon, Volunteer, U.S. Fish and Wildlife Service (USFWS)  
David Carroll, Biotechnician, USFWS  
Alex Wegmann, Cooperating Scientist, USFWS  
Bradley Ryon, Cooperating Scientist, JIMAR  
Robert Braun, Contract Veterinarian, JIMAR  
Patricia Haase, Cooperating Scientist, JIMAR  
Albert Harting, Cooperating Scientist, JIMAR  
Chad Yoshinaga, Cooperating Scientist, JIMAR  
Lizabeth Kashinsky, Cooperating Scientist, JIMAR  
Raymond Boland, Cooperating Scientist, JIMAR  
Amy Mooreland, Teacher at Sea, NOAA

Submitted by:

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Chad Yoshinaga  
Chief Scientist

Approved by:

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R. Michael Laurs  
Director, Honolulu Laboratory

Attachment

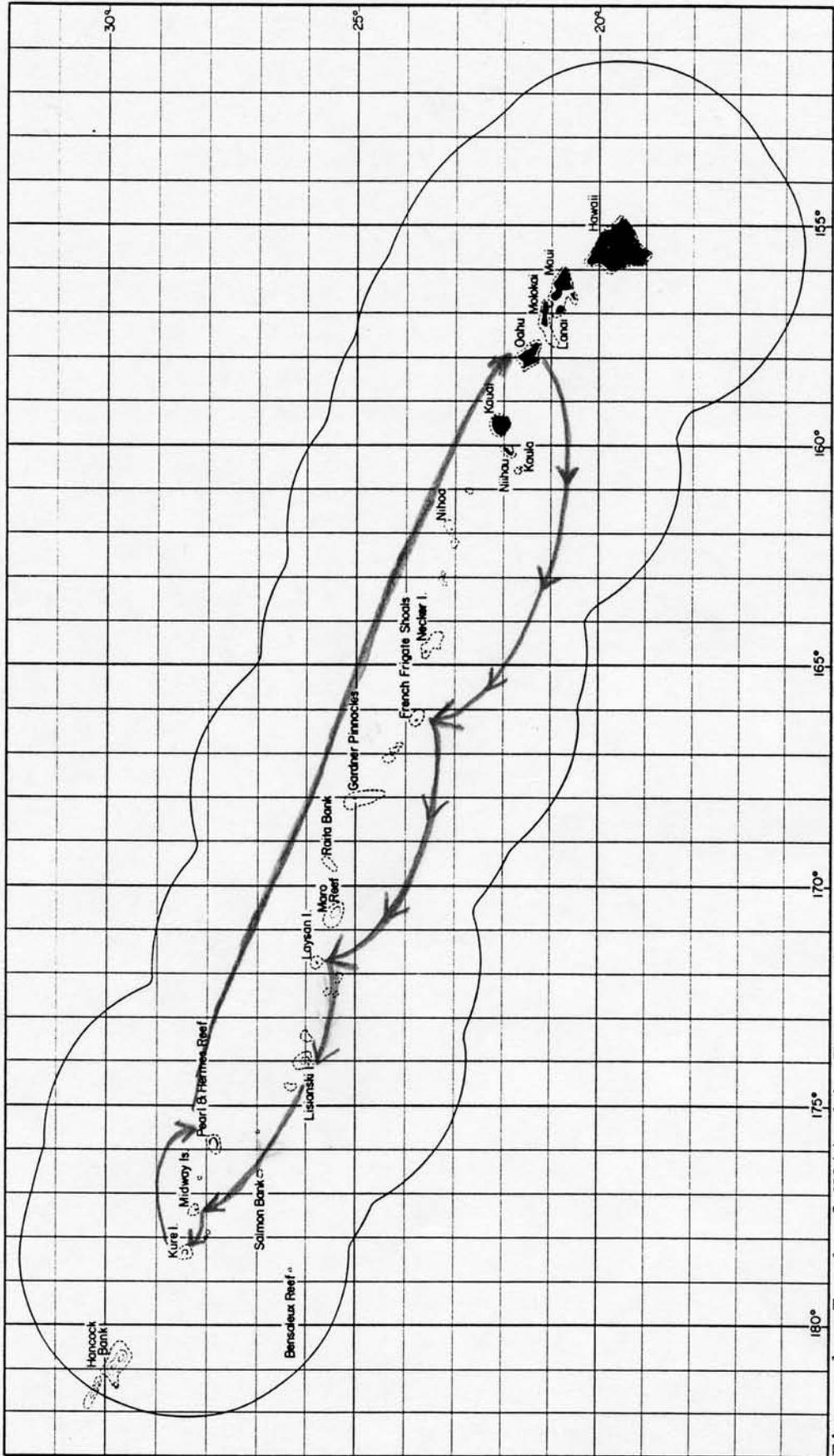


Figure 1.--Track of NOAA ship Townsend Cromwell TC-01-05 (TC-268), 10-25 May 2001.