

May 14, 2002

F/SWC2:CY:FLF
CR0108-1.CY

CRUISE REPORT¹

VESSEL: *Townsend Cromwell*, Cruise 01-08 (TC-271)

CRUISE PERIOD: 16 July-02 August 2001

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

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

ITINERARY:

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

- 16 July - Embarked Cindy Rehkemper, Frank Parrish, Greg Marshall, Robert Braun, Kyler Abernathy, Mary Golden, and Darrel Porter. Departed Honolulu 1000 en route to French Frigate Shoals (FFS).
- 17 July - In transit.
- 18 July - Arrived FFS 1600. Off-loaded 6 55-gal drums of unleaded fuel, misc. boxes/buckets of supplies and a boat trailer. Disembarked Parrish, Marshall, Braun, and Abernathy. Departed FFS 1900 en route to Laysan Island.
- 19 July - In transit. Requested to fill up to 20 ea USFWS water jugs with fresh water for transport to Laysan.

¹This is a combined cruise and narrative report.

- 20 July Arrived Laysan Island 0800. Off-loaded supplies and equipment. Disembarked Cindy Rehkemper, Mary Golden, and Darrel Porter. Requested to fill up to 20 ea USFWS waterjugs with fresh water (jugs currently on Laysan) while cargo was being transported to and from the island. Loaded one PSI refrigerator. Departed Laysan 1600 en route to Pearl and Hermes Reef (PHR).
- 21 July In transit.
- 22 July Arrived PHR 0800. Loaded all supplies and equipment, including 17-ft Boston Whaler, 15-ft EdgeWater, and empty 55-gal drums. Embarked Chad Yoshinaga, Elizabeth Kashinsky, Ray Boland, and Alex Wegman. Departed PHR 1600 en route to Kure Atoll.
- 23 July Arrived Kure Atoll 0800. Off-loaded one empty pallet tub. Loaded all supplies and equipment including 2 large pallet tubs and 13-ft Boston Whaler. On a space available basis, loaded 5 buckets of Hazmat, 1 small generator, 1 small propane tank, 1 pelican case, 1 weed wacker, 1 small BBQ grill, and 2 bikes. Embarked Patricia Haase and Albert Harting. Departed Kure Atoll 1900 en route to Midway Atoll.
- 24 July Arrived Midway Atoll 0800. Off-loaded one PSI refrigerator, one 55-gal drum of gasoline, 3 cylinders of propane, 20 gal Formaldehyde, 20 gal clorox bleach, 3 empty gas jugs, 9 buckets of Hazmat, and 5 gal Ethanol. Disembarked Yoshinaga, Haase, Harting, Kashinsky, and Boland. Loaded 2 buckets of Hazmat, 1 carboy used Formalin, 1 empty carboy, and 2 buckets of scat.
- 25 July Departed Midway Atoll 0800 en route to Lisianski Island.
- 26 July Arrived Lisianski Island 1200. Loaded all supplies and equipment. Embarked Jacqueline Pearson, Erin Moreland, and Erin McCarthy. Departed Lisianski Island 1900 en route to Laysan Island.
- 27 July Arrived Laysan Island 0900. Loaded all supplies and equipment. Embarked Dorothy Dick, Alison Roberts, Jennifer Stephenson, David Carroll, Joseph Wiggins, and Cindy Rehkemper. Departed Laysan Island 1600 en route to FFS.
- 28 July In transit.
- 29 July Arrived FFS 0800. Loaded trash and recyclables. Departed FFS 1600.

- 30 July Arrived Necker Island 0800. Disembarked Rehkemper, Wegman, Dick, and Pearson to conduct island census. Embarked Rehkemper, Wegman, Dick, and Pearson. Departed Necker Island 1500 en route to Nihoa Island.
- 31 July Arrived Nihoa Island 1100. Disembarked Rehkemper, Wegman, Dick, and Pearson to conduct island census. Embarked Rehkemper, Wegman, Dick, and Pearson. Departed Nihoa Island 1900 en route to Honolulu.
- 1 August In transit.
- 2 August Arrived Honolulu 0800. Off-loaded all supplies, equipment, trash and recyclables. Disembarked Dick, Roberts, Stephenson, Pearson, McCarthy, Moreland, Rehkemper, Wiggins, Wegman, and Carroll. End of cruise.

MISSIONS AND RESULTS:

- A. Transport personnel, fuel, equipment, and supplies for PSI/MMRP and USFWS to the field station at Tern Island, FFS, Midway Atoll and the USFWS field camp at Laysan Island, and transport recyclables and rubbish from these field stations to Honolulu.
- Camp successfully deployed with all personnel and equipment. Trash and recyclables successfully removed.
- B. Disband the PSI/MMRP field camps by transporting personnel, equipment, supplies, rubbish, recyclables, and remaining fuel from Laysan and Lisianski Islands, PHR, and Kure Atoll.
- Camp successfully disbanded with all personnel and equipment.
- C. Resupply and transport personnel for the USFWS field camp at Laysan Island.
- Resupply and transport of personnel successful.
- D. Conduct seal and turtle surveys at Necker and Nihoa.
- Necker was visited July 30, and a beach count was conducted. Nihoa was visited on July 31; due to rough seas a beach count was not conducted but a boat survey from the *Townsend Cromwell* was conducted along the south facing shore. A boat survey was conducted at Gardner Pinnacles July 28.

**SCIENTIFIC
PERSONNEL:**

Chad Yoshinaga, Chief Scientist, National Marine Fisheries Service (NMFS), Southwest Fisheries Science Center (SWFSC), Honolulu Laboratory (HL)
 Kyler Abernathy, Cooperating Scientist, National Geographic Television (NGTV)
 Raymond Boland, Research Associate, Joint Institute for Marine and Atmospheric Research (JIMAR), University of Hawaii (UH)
 Robert Braun, Cooperating Scientist, JIMAR, UH
 David Carroll, Biotechnician, U.S. Fish and Wildlife Service (USFWS)
 Dorothy Dick, Cooperating Scientist, JIMAR, UH
 Mary Golden, Cooperating Scientist, USFWS
 Patricia Haase, Cooperating Scientist, JIMAR
 Albert Harting, Cooperating Scientist, JIMAR
 Elizabeth Kashinsky, Cooperating Scientist, JIMAR
 Greg Marshall, Cooperating Scientist, NGTV
 Erin McCarthy, Cooperating Scientist, JIMAR
 Erin Moreland, Cooperating Scientist, JIMAR
 Frank Parrish, Fishery Biologist, NMFS, SWFSC, HL
 Jacqueline Pearson, Cooperating Scientist, JIMAR
 Darrel Porter, Cooperating Scientist, USFWS
 Cindy Rehkemper, Wildlife Biologist, USFWS
 Alison Roberts, Cooperating Scientist, JIMAR
 Jennifer Stephenson, Cooperating Scientist, JIMAR
 Alexander Wegman, Cooperating Scientist, USFWS
 Joseph Wiggins, Cooperating Scientist, USFWS

Submitted by:

 Chad Yoshinaga
 Chief Scientist

Approved by:

 R. Michael Laurs
 Director, Honolulu Laboratory

Attachment

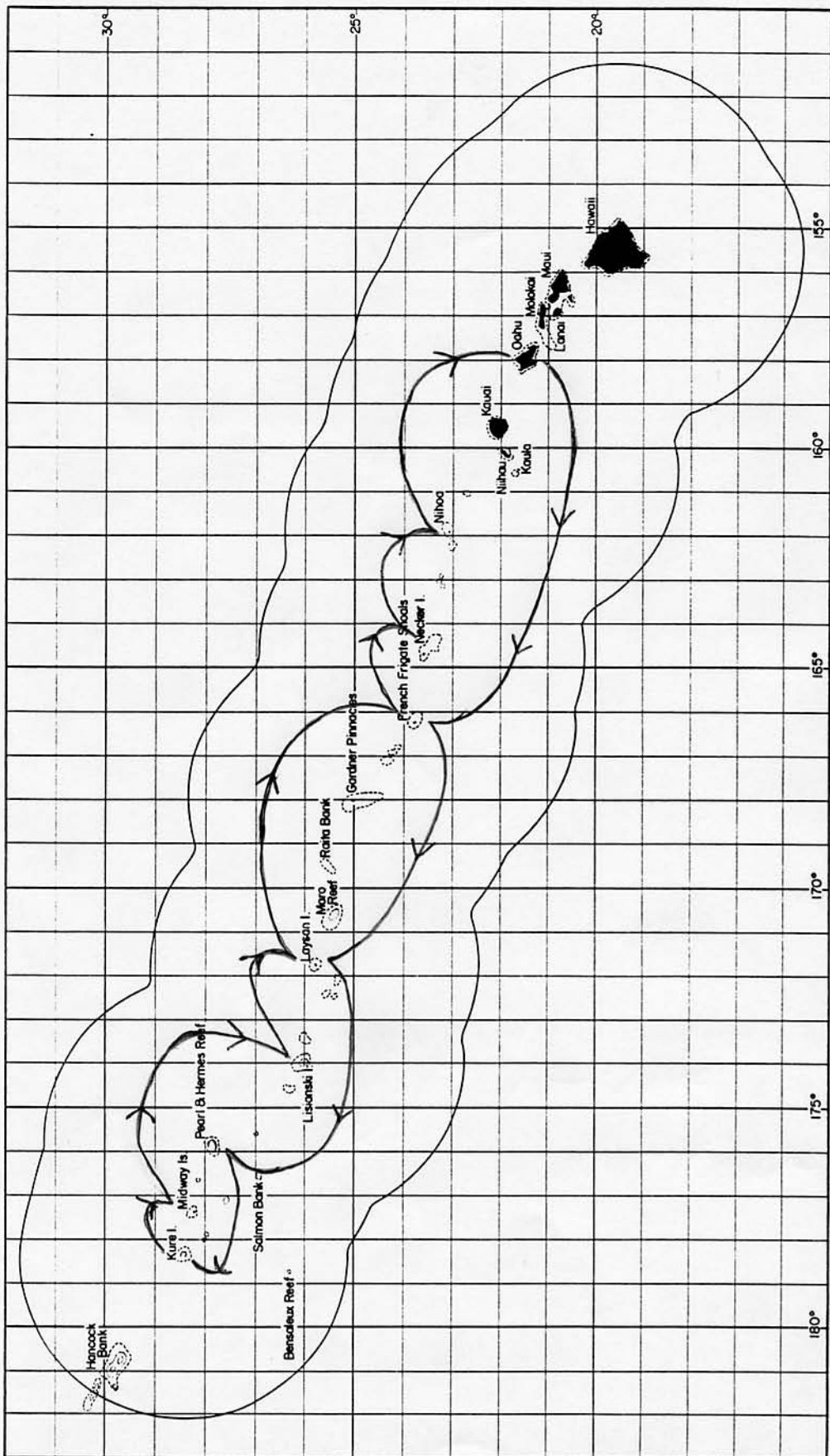


Figure 1.--Track of the NOAA ship Townsend Cromwell TC-01-08 (TC-271), July 16 to August 2, 2001.