

December 19, 2000 F/SWC2:CY:FLF
CR0009-1.CY

CRUISE REPORT¹

VESSEL: *Townsend Cromwell*, Cruise 00-09 (TC-259)

CRUISE PERIOD: 19 July 2000-4 August 2000

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

TYPE OF OPERATION: Support field camps and transport personnel of the Protected Species Investigation (PSI) Marine Mammal Program (MMRP), U.S. Fish and Wildlife Service (USFWS), Joint Institute for Marine and Atmospheric Research (JIMAR), Department of Land and Natural Resources (DLNR), and U.S. Geological Survey (USGS).

ITINERARY:

19 July - Departed Honolulu 1000.

20 July - Arrived Nihoa Island 1200. Conducted boat census of island. Departed 1600.

21 July - Arrived Necker Island 1200. Conducted shore census. Departed 1700.

22 July - Arrived French Frigate Shoals 0800. Off-loaded supplies. Departed 1600.

24 July - Arrived Laysan Island 0800. Off-loaded supplies and equipment. Disembarked Rehkemper, Horvath, Alan, Sargent, Hale, and Friel. Embarked Kozar. Departed 1600.

25 July - Arrived Pearl and Hermes Reef 1200. Loaded equipment and supplies. Embarked I. Wainstein, Holzwarth, and McClung. Departed 1930.

¹This is a combined Cruise and Narrative Report.

- 26 July - Arrived Kure Atoll 1200. Loaded equipment and supplies. Embarked Kinan, Kashinsky, and Shiinoki. Departed 1900.
- 27 July - Arrived Midway Atoll 0800. Disembarked Yoshinaga, Baker, Wainstein, Holzwarth, McClung, Kashinsky, Shiinoki, and Kozar.
- 28 July - Departed Midway Atoll 0900.
- 29 July - Arrived Lisianski Island 1300. Loaded equipment and supplies. Embarked Bertillson, Moreland, and Bunk. Departed 1700.
- 30 July - Arrived Laysan Island 0800. Embarked Dick, Pearson, Wegmann, Schultz, Rehkemper, Horvath, Alan, and Sargent. Departed 1700.
- 31 July - Arrived Gardner Pinnacles 1300. Conducted boat survey. Departed 1700.
- 1 August - Arrived French Frigate Shoals 1200. Disembarked Alan, Sargent, and Kinan. Loaded equipment and supplies. Embarked Hawn, Harting, and Davis. Stood by for emergency evacuation because of approaching hurricane.
- 2 August - Stood down from evacuation. Departed 0900.
- 4 August - Arrived Honolulu 1000. Disembarked Bertillson, Moreland, Bunk, Dick, Wegmann, Pearson, Rehkemper, Schultz, Harting, Hawn, Davis. End of cruise.

MISSIONS AND RESULTS:

- A. Retrieve all MMRP Hawaiian monk seal field camps.
- Successfully retrieved all MMRP Hawaiian monk seal field camps.
- B. Resupply the U.S. Fish and Wildlife Service Laysan Island field camp.
- Successfully resupplied the U.S. Fish and Wildlife Service Laysan Island field camp.
- C. Conduct CTD casts.
- Conducted nine CTD casts.

**SCIENTIFIC
PERSONNEL:**

Jason Baker, Chief Scientist, National Marine Fisheries Service
(NMFS), Southwest Fisheries Science Center (SWFSC),
Honolulu Laboratory (HL) (19-28 July)

Irene Kinan, Chief Scientist, Joint Institute for Marine and
Atmospheric Research (JIMAR), University of Hawaii (UH)
(29 July-1 August)

Dorothy Dick, Chief Scientist, JIMAR, UH (1-4 August)

Chad Yoshinaga, Cooperating Scientist, JIMAR

Petra Bertillson, Cooperating Scientist, JIMAR

Erin Mooreland, Cooperating Scientist, JIMAR

Tish Bunk, Cooperating Scientist, JIMAR

Jacqueline Pearson, Cooperating Scientist, JIMAR

Alex Wegmann, Cooperating Scientist, JIMAR

Michelle Wainstein, Cooperating Scientist, JIMAR

Stephani Holzwarth, Cooperating Scientist, JIMAR

Andrew McClung, Cooperating Scientist, UH

Lizabeth Kashinsky, Cooperating Scientist, JIMAR

Albert Harting, Cooperating Scientist, JIMAR

Scott Davis, Cooperating Scientist, JIMAR

Don Hawn, Cooperating Scientist, JIMAR

Ethan Shiinoki, General Laboror I, Department of Land and Natural
Resources/Division of Forestry and Wildlife (DLNR/DOFAW)

Kelly Kozar, Cooperating Scientist, U.S. Geological Survey (USGS)

Matthew Schultz, Cooperating Scientist, U.S. Fish and Wildlife
Service (USFWS)

Cindy Rehkemper, Biologist, USFWS

Zolaln Horvath, Cooperating Scientist, USFWS

Jennifer Hale, Cooperating Scientist, USFWS

Marvin Friel, Cooperating Scientist, USFWS

Brian Alan, Refuge Manager, USFWS

Bob Sargent, Volunteer, USFWS

Submitted by:

Jason D. Baker
Chief Scientist (19-28 July)

Submitted by:

Irene Kinan
Chief Scientist (29 July-1 August)

Submitted by:

Dorothy Dick
Chief Scientist (1-4 August)

Approved by:

R. Michael Laurs, Ph.D.
Director, Honolulu Laboratory

Attachment