



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE/NOAA FISHERIES

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CRUISE REPORT¹

VESSEL: *Oscar Elton Sette*, Cruise 04-10 (OES-19)

CRUISE PERIOD: July 30 to August 16, 2004

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

TYPE OF OPERATION: Protected Species Division Monk Seal Field camp recovery

ITINERARY:

- 30 July Departed Snug Harbor, Honolulu at 1000 en route to French Frigate Shoals (FFS) (2 days, 1 hour).
- 1 Aug Arrived FFS 1200 hours. Off-loaded all supplies and equipment, including eight drums of unleaded fuel (six full barrels on racks and two filled from fuel tanks on site), all National Marine Fisheries Service (NMFS) Marine Turtle Research Program satellite equipment (see section 5.2 equipment list), two pallet tubs for the U.S. Fish and Wildlife Service (USFWS), and six nitrogen tanks for the University of Hawaii. Departed FFS as soon as off-load was complete en route to Pearl and Hermes Atoll (2 days, 12 hours).
- 4 Aug Arrived Pearl and Hermes Atoll. Embarked C. Yoshinaga. Departed Pearl and Hermes Atoll en route to Kure Atoll.
- 5 Aug Arrived Kure Atoll 0800. Loaded all supplies and equipment, including one 13-ft Boston Whaler. Embarked T. Wurth, R. Marshall, A. Vanderlip, M. Holland, D. Littschwager, and S. Middleton. Departed Kure Atoll at 1900 en route to Midway Atoll (7 hours).



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- 6 Aug Arrived Midway Atoll 0800. Loaded all equipment and supplies including one 30-hp outboard engine. Disembarked Middleton. Departed Midway Atoll 1600 en route to Pearl and Hermes Atoll (10 hours).
- 7 Aug Arrived Pearl and Hermes Reef 0800. Loaded all supplies and equipment, including one 8-ft kayak, one 17-ft Boston Whaler boat, and one 15-ft EdgeWater boat. Embarked C. Littnan, M. Cahoon, J. Sprague, and N. Teeples. Departed Pearl and Hermes Reef 1600 en route to Lisianski Island (17 hours).
- 8 Aug Arrived Lisianski Island 0900. Loaded all supplies and equipment. Embarked R. Jenkenson and E. Jenkenson. Departed Lisianski Island 1600 en route to Laysan Island (13 hours).
- 9 Aug Arrived Laysan Island 0800. Off-loaded fresh food and three pelican cases for the USFWS camp. Loaded all supplies and equipment. Embarked K. Holman, C. Murphy, and M. Fowler. Departed Laysan Island 1900 en route to FFS (1 day, 13 hours).
- 11 Aug Arrived FFS 0800. Loaded one 17-ft Boston Whaler boat and equipment, supplies, and specimens. Departed FFS 1600 en route to Necker Island (10 hours).
- 12 Aug Arrived Necker Island 0800. Unable to disembark scientific party because of inclement weather. Departed Necker Island en route to Nihoa Island (18 hours).
- 13 Aug Arrived Nihoa Island 1000. Disembarked scientific party to conduct day census of island. Embarked scientific party 1600 hours. Departed Nihoa Island en route to Honolulu (1 day, 4 hours).
- 15 Aug Arrived Honolulu 0800. Off-loaded all supplies, equipment, trash and recyclables. Disembarked all scientists. End of cruise.

MISSIONS AND RESULTS:

- A. Recover NMFS Marine Mammal Research Program field camps at Kure Atoll, Midway Atoll, Pearl and Hermes Reef, Lisianski Island, and Laysan Island transporting all supplies, equipment, and personnel to Honolulu.
- All fieldcamps were recovered successfully.
- B. Conduct day census of Necker and Nihoa Islands.
1. Unable to census Necker because of inclement weather.
 2. Nihoa island surveyed by Yoshinaga, Littnan, and Cahoon.

C. Resupply existing NMFS field camp at FFS.

Field camp and FFS successfully resupplied.

D. Conduct CTD casts opportunistically.

Ten CTD casts were conducted successfully in designated locations within the Northwestern Hawaiian Islands.

E. Resupply existing USFWS field camps at Laysan Island and FFS.

All supplies and equipment were successfully off-loaded.

**SCIENTIFIC
PERSONNEL:**

Chad Yoshinaga, Chief Scientist, Pacific Islands Fisheries Science Center (PIFSC), National Marine Fisheries Service (NMFS)

Charles Littnan, Wildlife Biologist, PIFSC, NMFS

Maire Cahoon, Cooperating Scientist, Aquatic Farms

Jonathan Sprague, Cooperating Scientist, Aquatic Farms

Nicole Teeple, Cooperating Scientist, Aquatic Farms

Robert Marshall, Cooperating Scientist, Aquatic Farms

Tracy Wurth, Cooperating Scientist, Aquatic Farms

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Melinda Fowler, Cooperating Scientist, Aquatic Farms

(/s/Chad Yoshinaga)

Submitted by: _____

Chad Yoshinaga

Chief Scientist

(/s/Samuel G. Pooley

Approved by: _____

Samuel G. Pooley

Science Director

Pacific Islands Fisheries Science Center

Attachment

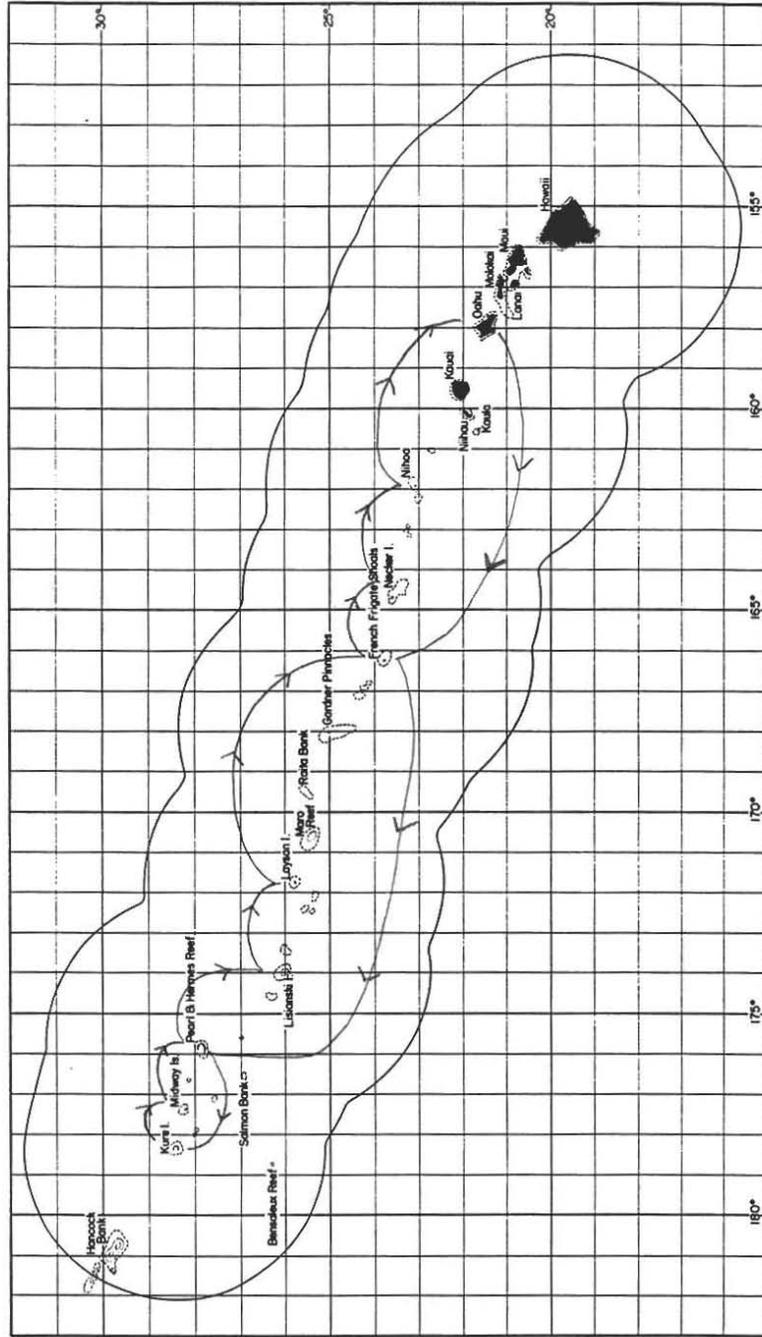


Figure 1.--Track of the NOAA ship Oscar Elton Sette cruise OES-04-10 (OES-19), July 30 to August 16, 2004.