



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

Pacific Islands Fisheries Science Center
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CRUISE REPORT¹

VESSEL: *Townsend Cromwell*, Cruise 00-01

PERIOD: Approximately 11 March – 6 April 2000

AREA OF

OPERATION: U.S. Pacific Remote Island Areas (PRIAs)

TYPE OF

OPERATION: Personnel from the Coral Reef Ecosystem Investigation, Honolulu Laboratory, National Marine Fisheries Service, NOAA, conducted reef assessments in waters surrounding the U.S. Pacific Remote Island Areas.

ITINERARY:

16-17 March	Howland Island
18 March	Baker Island
24-26 March	Jarvis Island
28-30 March	Palmyra Atoll
31 March – 1 April	Kingman Reef

CRUISE STATISTICS:

Towed-diver digital video transects/fish counts	102.9 km
Bohnsack et al. fish count dives.....	70
Roving diver fish survey dives	22
20 m ² fish transects	50
Establishment of permanent 100 m transect stations.....	5
Fish surveys along permanent transects.....	5
Coral, algae, macro-invertebrate survey sites	30
Conductivity-temperature-depth (CTD) casts.....	107
Digital video tapes	65 hrs



¹ PIFSC Cruise Report CR-05-007
Issued 21 November 2005

Benthic photographs1000+
Terrestrial surveys of birds/vegetation.....all 5 islands/atolls
P-coded Global Positioning System (GPS) shape files.....all 5 islands/atolls
(Palmyra partial)

RESULTS: (See Appendices)

SCIENTIFIC PERSONNEL:

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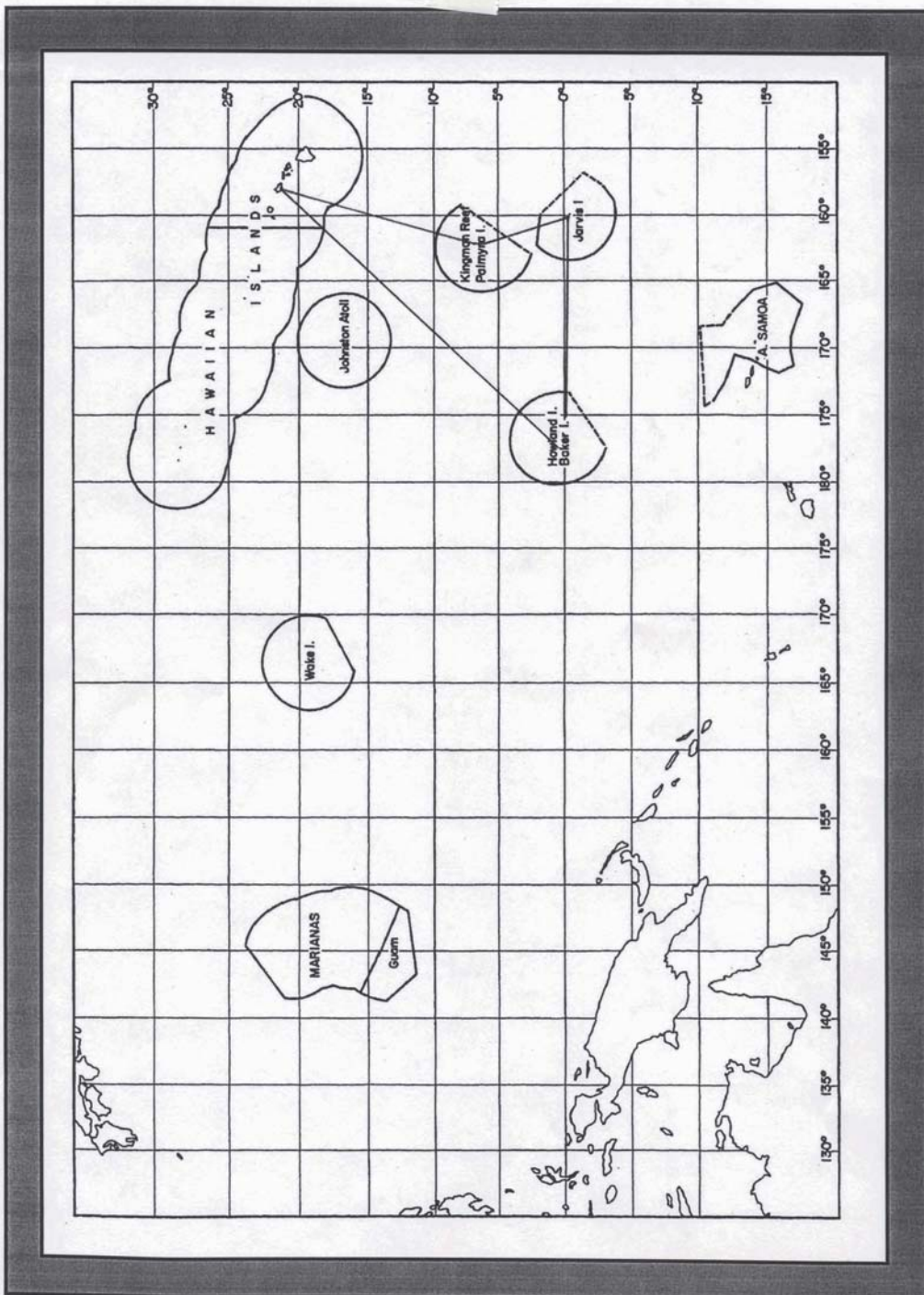


Figure 1.--Track of NOAA ship Townsend Cromwell cruise TC-00-01 (TC-251), March 9 to April 7, 2000.