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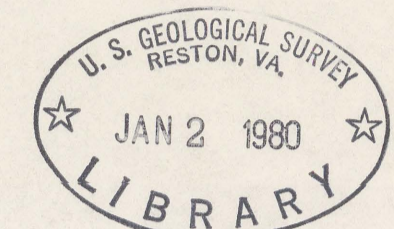
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

TRACKLINE, BATHYMETRIC, AND SEISMIC PROFILES  
OF A PORTION OF R/V LEE 9-78-HW

BY  
W.R. Normark, J.G. Moore, P.W. Lipman, and J.D. Young

U.S. Geological Survey  
OPEN FILE REPORT  
79-972

This report is preliminary and has  
not been edited or reviewed for  
conformity with Geological Survey  
standards and nomenclature.



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Trackline, Bathymetric, and Seismic Profiles

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U.S. Geological Survey  
Menlo Park, California

The U.S. Geological Survey Research vessel S.P. Lee conducted a transit  
line from Honolulu, Hawaii to the big island of Hawaii during the cruise  
I9-78-HW.

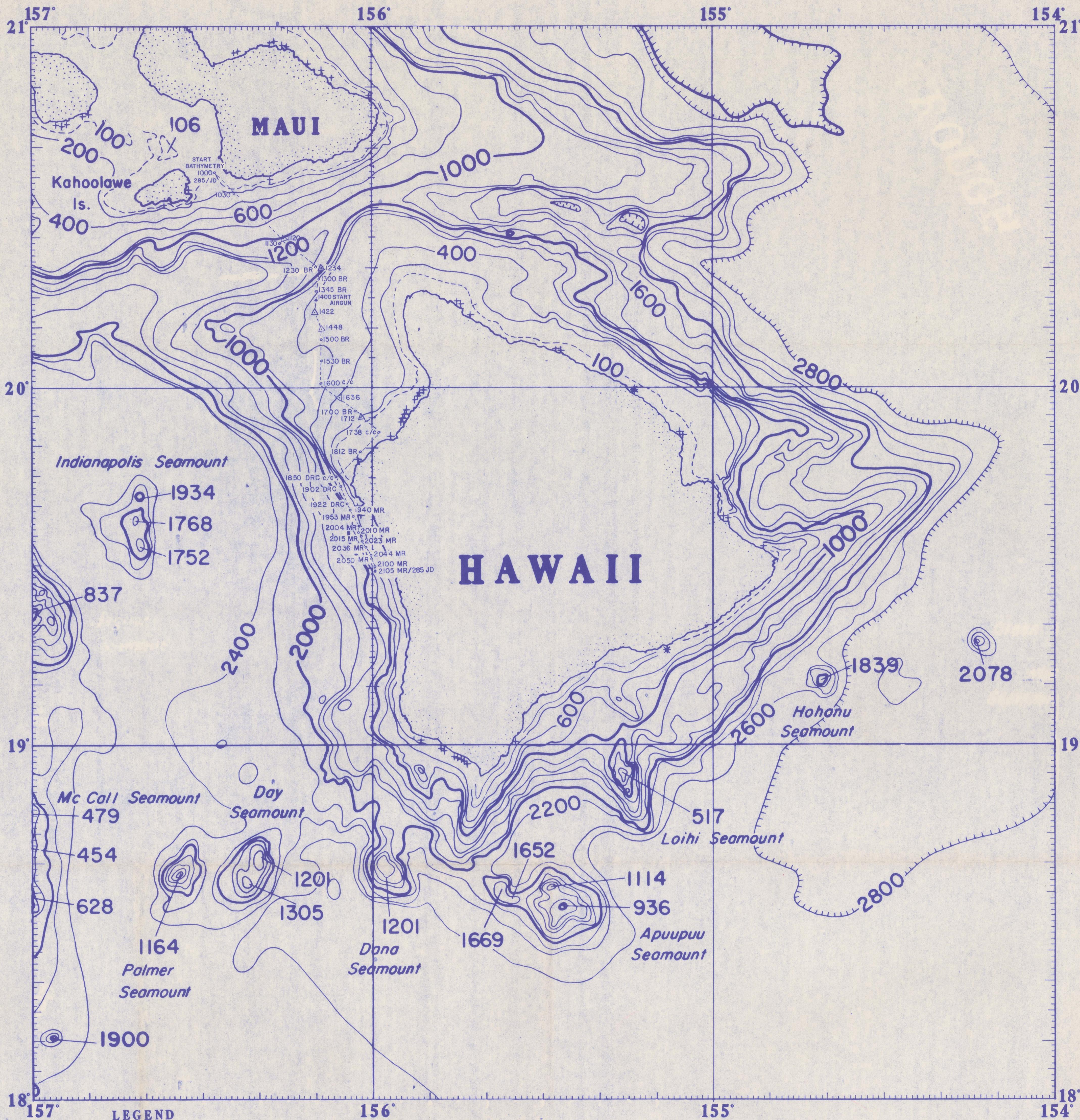
The navigational track is shown in plate 1 and the three types of data  
collected (3.5 khz. and 12 khz. bathymetry plus single channel seismic  
reflection) are shown in plate 2.

The bathymetry records are 400 fathoms (one second sweep) collected by  
hull mounted transducers. The seismic reflection profiles are from a 148 in.<sup>2</sup>  
Bolt Associates Airgun\* as energy source with reflectors transmitted via  
single channel streamer towed approximately 500 feet behind the ship.

Copies of the data may be obtained from the National Geophysical and  
Solar-Terrestrial Data Center, U.S. Dept. of Commerce, Boulder, Colorado 80303.

\* Use of commercial names does not imply endorsement by the U.S. Government.

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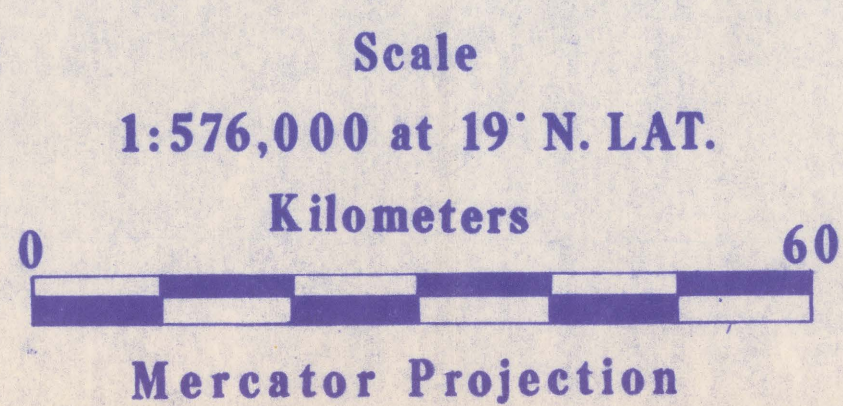


- △ - Satellite Points
- BR - Bridge Radar Fix
- DRC - Dead Reckoning Fix
- MR - Mini Ranger Fix
- JD - Julian Day

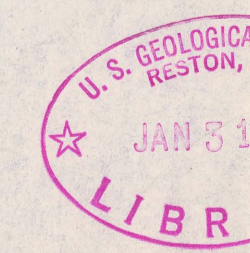
### Trackline of Portion of R/V Lee 9-78 HW

Plate 1 of 2  
Contours in uncorrected fathoms

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