

OCEANOGRAPHIC DATA off SOUTHERN HAWAIIAN ISLANDS

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MERCATOR PROJECTION
SCALE
1 TO 1,030,010 AT 20° N LATITUDE
CONTOUR INTERVAL 100 METERS
CORRECTED FOR SOUND VELOCITY
FROM MATTHEWS TABLES, AREA 42

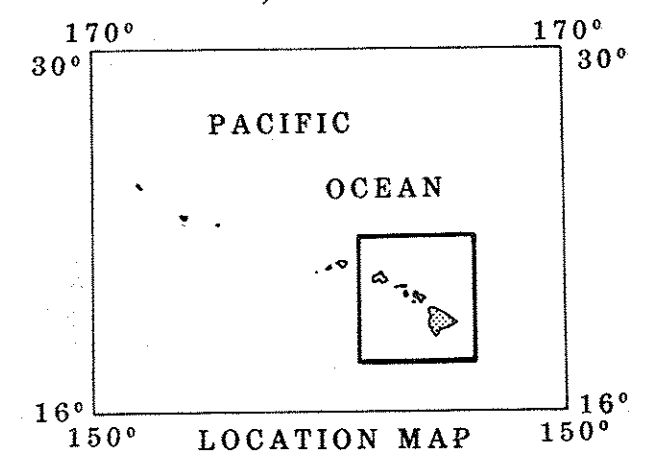
DEDICATED TO:
THE MEMORY OF THE
MEN OF THE
M/V HOLO-HOLO
LOST AT SEA
DECEMBER, 1978

EXPLANATION
THIS IS THE FIRST IN A SERIES OF SHEETS TO BE USED TO IDENTIFY THE MARINE GEOLOGIC FACTORS THAT INFLUENCE THE SUCCESSFUL OPERATION OF OCEAN THERMAL ENERGY CONVERSION (OTEC) PLANTS. THIS REGIONAL COMPILATION WILL FORM THE BASIS FOR SELECTION OF LARGER SCALE SITE SPECIFIC AREAS WHERE MORE DETAILED BOTTOM ASSESSMENT STUDIES WILL BE MADE, FOR EXAMPLE, OFF THE WEST COAST OF OAHU.
THIS DATA COMPILATION IS DESIGNED TO GIVE REGIONAL COVERAGE OF THE MARINE AREAS IN THE VICINITY OF THE SOUTHERN HAWAIIAN ISLANDS.

THE AIM OF THIS STYLE OF CHART IS TO PROVIDE MAPS OF CONVENIENT SIZE THAT (1) SUMMARIZES THE OCEANOGRAPHIC DATA FOR THE PARTICULAR AREA; (2) CAN BE USED AS A BASE MAP FOR MARINE GEOLOGIC INVESTIGATIONS; (3) IS A WORKING CHART DURING SUBSEQUENT SHIPBOARD OPERATIONS; AND (4) CAN BE REVISED AND MODIFIED EASILY AS NEW INFORMATION BECOMES AVAILABLE.
THIS MAP IS NOT TO BE USED FOR NAVIGATION. THE APPROPRIATE CHARTS ARE LISTED IN A TABLE TO THE LEFT.

FOR REFERENCE CAPTION, USE:
WILDE, P., T.E. CHASE, W.R. NORMARK, J.A. THOMAS, AND J.D. YOUNG, 1980, OCEANOGRAPHIC DATA OFF THE SOUTHERN HAWAIIAN ISLANDS. LBL PUB. 359, LAWRENCE BERKELEY LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY.

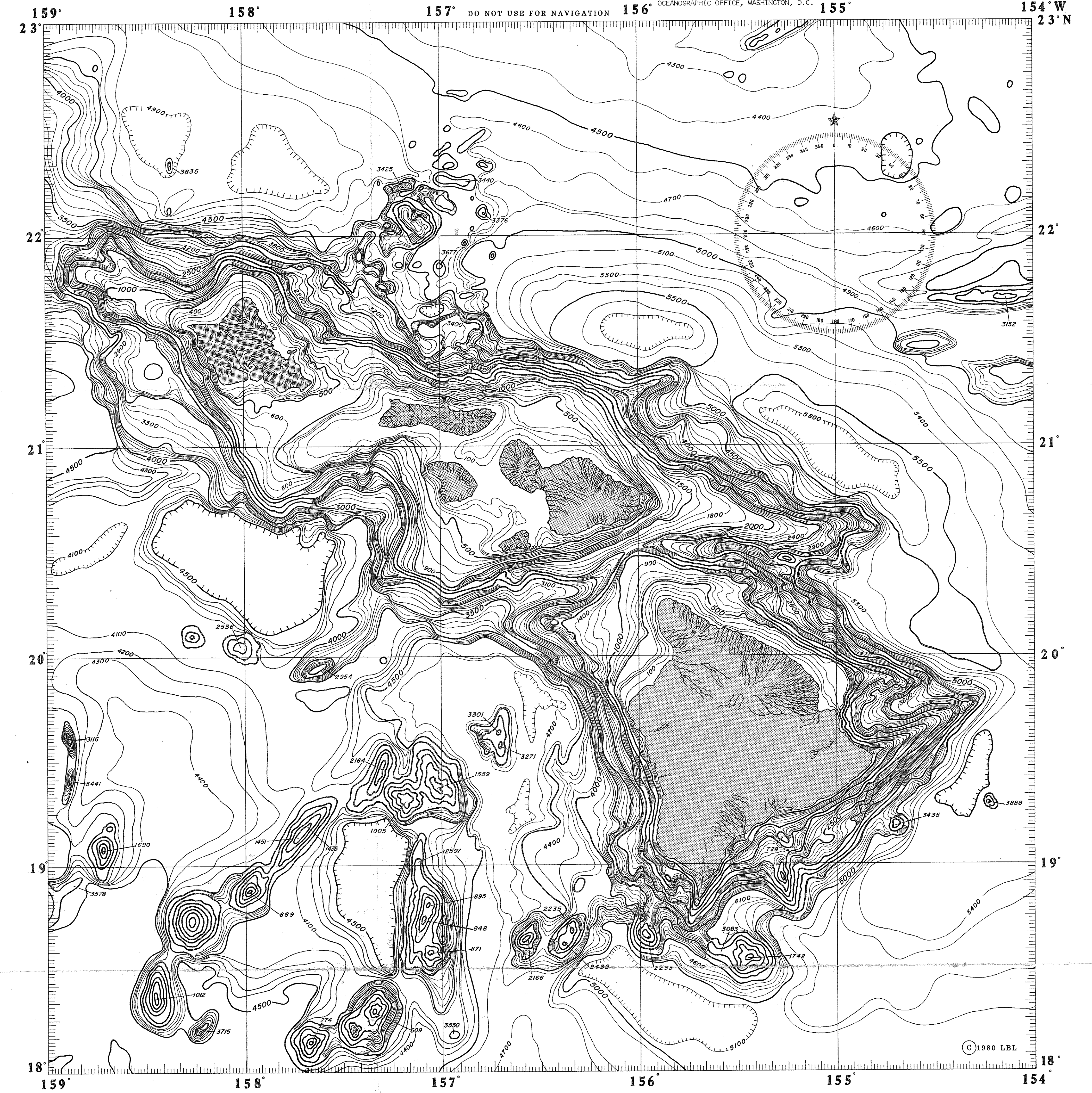
CONTOURS MODIFIED FROM T.E. CHASE, H.W. MENARD, AND J. HAMMERICKX, 1971, BATHYMETRIC ATLAS OF THE NORTHCENTRAL PACIFIC, H.O. PUB. 1302, U.S. NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C.



NATIONAL OCEAN SURVEY CHARTS

CHART NUMBER	TITLE	SCALE
4080	HAWAIIAN ARCHipelago	1:3,121,170
4090	HAWAII TO FRENCH FRIGATE SHOALS	1:1,650,000
4100	HAWAIIAN ISLANDS	1:650,000
4110	ISLAND OF OAHU	1:800,000
4120	ISLAND OF HAWAII	1:250,000
4130	HAWAII TO OAHU	1:250,000
4140	OAHU TO NIHAU	1:247,482
4150	CHANNELS BETWEEN OAHU, MOLOKAI, AND LANAI	1:800,000
4160	CHANNELS BETWEEN MOLOKAI, MAUI, LANAI, AND KAHOLAWE	1:800,000
4170	WEST COASTAL HAWAII - COOK POINT TO UPOLO POINT	1:800,000

FOR ADDITIONAL CHART INFORMATION, SEE NAUTICAL CHART CATALOG NUMBER 2 NATIONAL OCEAN SURVEY, DISTRIBUTION DIVISION, RIVERDALE, MARYLAND 20840.



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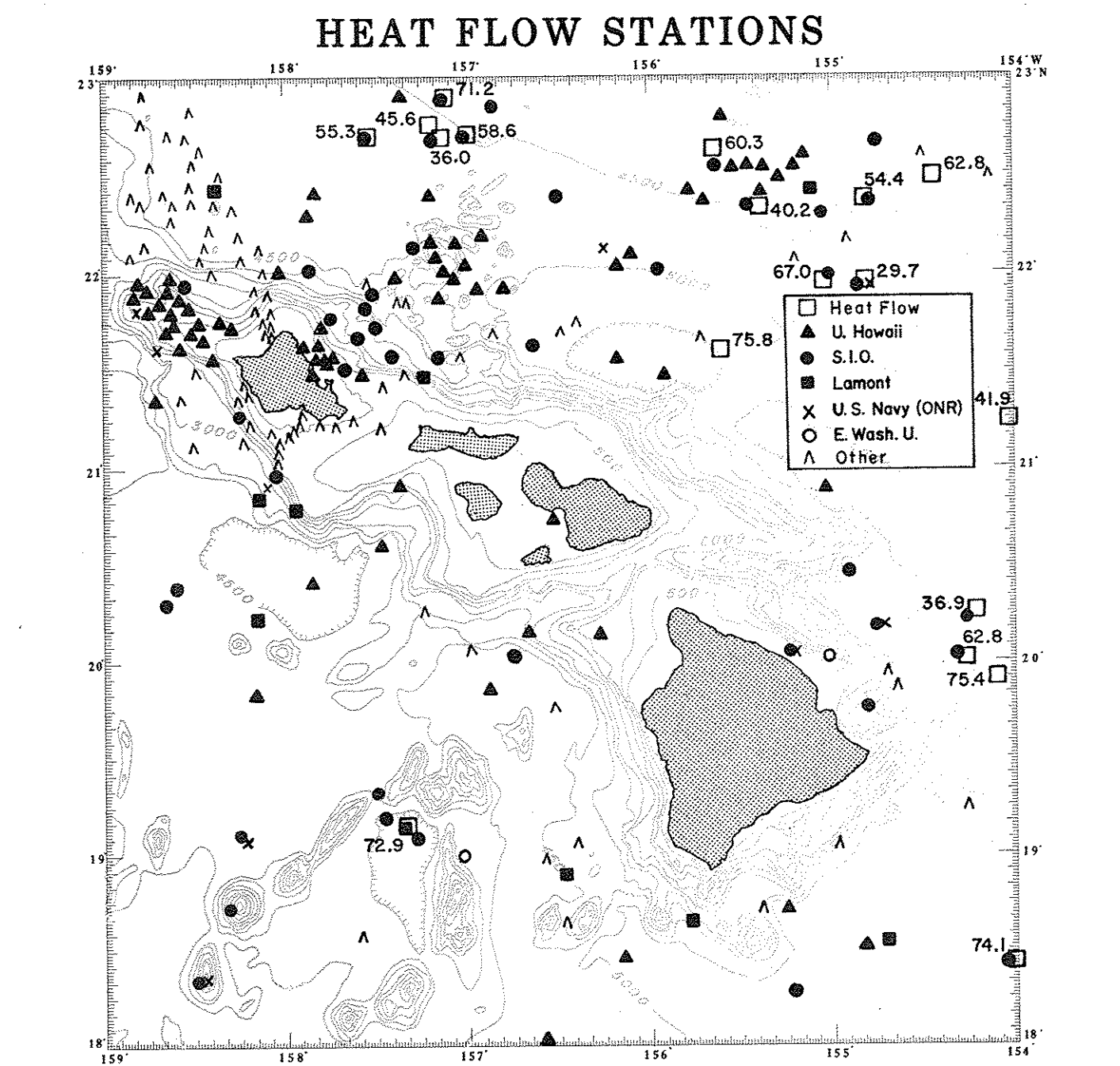
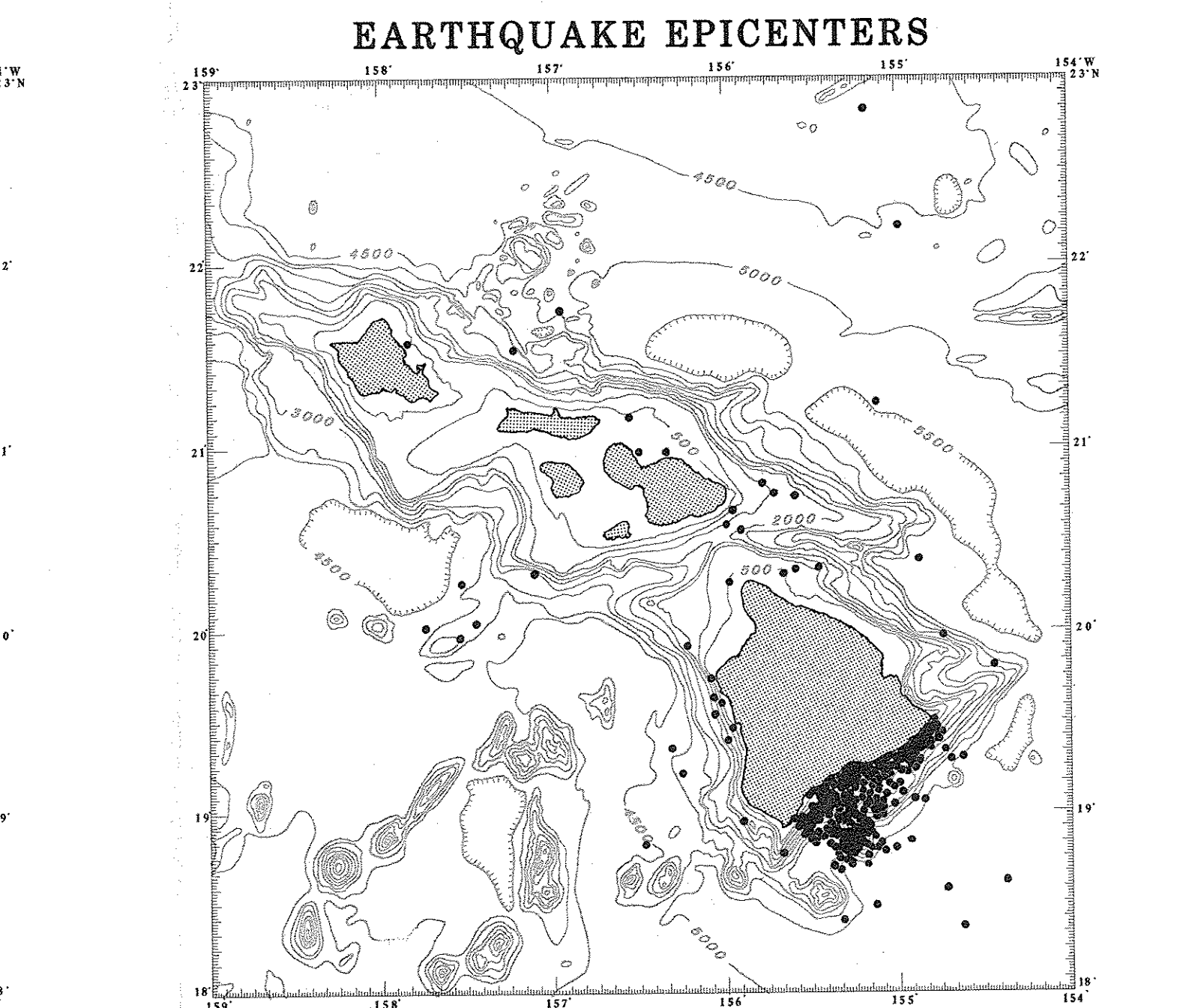
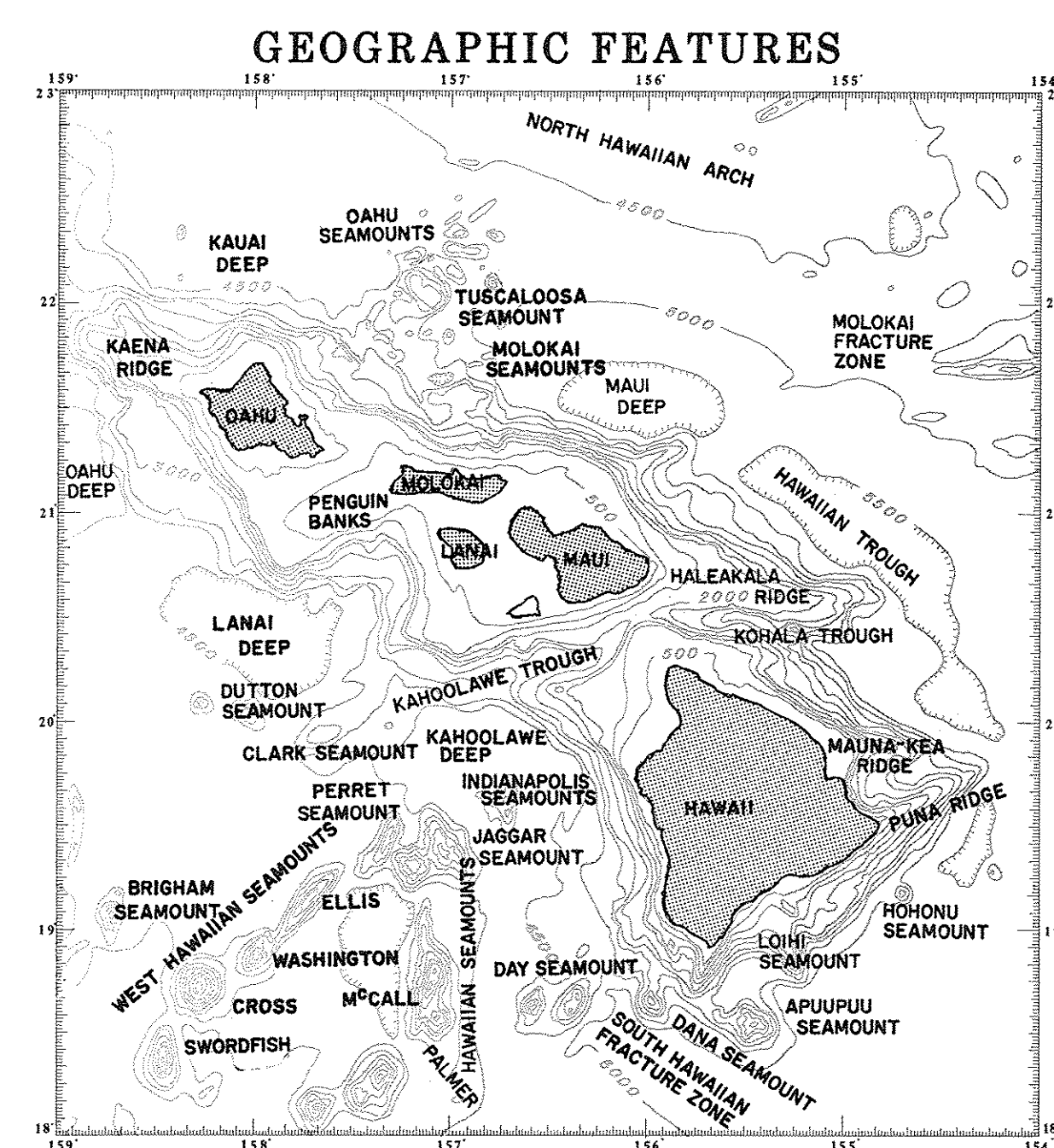


FIGURE 1. MAJOR GEOGRAPHIC FEATURES IN THE AREA COVERED BY THIS CHART. CONTOUR INTERVAL IS 500 METERS. SCALE EQUALS 1.2 INCHES PER DEGREE OF LONGITUDE. THIS INTERVAL AND SCALE ALSO APPLIES TO FIGURES 2 THRU 6.

FIGURE 2. EARTHQUAKE EPICENTERS (FROM U.S. GEOLOGICAL SURVEY HAWAIIAN VOLCANO OBSERVATORY).

FIGURE 3. SEDIMENTS FROM J.Z. FRAZER, SIO WORLD OCEAN SEDIMENT DATA BANK. HEAT FLOW FROM P.J. GRIM, NOAA.

THE AUTHORS WISH TO THANK THE FOLLOWING INDIVIDUALS AND THEIR SPONSORING ORGANIZATIONS FOR THEIR HELP IN COMPILING THE DATA PRESENTED HERE.
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