UNITED STATES
HAWAII

HAWAIIAN ISLANDS

Mercator Projection
Scale 1:600,000 at Lat. 20°30'
World Geodetic System 1984
(North American Datum of 1983)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

WARNING
The project marker will not ship solely on the Global Positioning System (GPS) or Differential GPS (DGPS) signal. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NOAA VHF-FM WEATHER BROADCASTS
Weather broadcasts originate from the most centrally located station providing reliable marine weather broadcasts. The range of reception is variable, but for planning purposes is usually 20 to 40 miles from the antenna site.

Oahu	KBA-99	162.55 MHz
Molokai	KBA-99	162.55 MHz
Maui	KBA-99	162.55 MHz
Kauai	KBA-99	162.40 MHz

NOTE A
Boundary limits of Submerged Submarine Operating Areas are shown by scalloped magenta line. As submarines may be submerged in these areas, vessels should proceed with caution. During torpedo practice firing, all vessels are cautioned to keep well clear of Mauna Kea Range Hawaii, flying a large red flag in the highest masthead.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflectors have been placed on these aids that cannot have the shape.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

VOLCANIC REPORTS
Report all sights of oil and hazardous substances to the Nation's Response Center, tel. 800-424-8802 (202-267-2675 in the D.C. area). U.S. Coast Guard Marine Safety Detachment, Honolulu, is responsible (50 STR 153).

NOTE D
Submerged Rock Hazards (Not Charted) (NOS Sailing Directions, Pacific Islands, Vol. 1) U.S. Coast Guard Marine Safety Detachment, Honolulu, is responsible (50 STR 153).

ABBREVIATIONS (For complete abbreviations, see Chart No. 1)

AIDS TO NAVIGATION
(Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation)

HEIGHTS
Heights of lost stations Mean High Water

AUTHORITY
Hydrographic and topographic by the National Ocean Service, Coast Survey, Department of Commerce. U.S. Coast Guard, Safety of Navigation Agency and Geological Survey.

CAUTION
Only reserve radiobeacons have been calibrated for accurate bearings. Other radio bearings may be in error. Signals are not to be used for navigation (not for hire) in the U.S. Coast Guard Light List and Differential Navigation Agency Radio Beacon Index.
Radio beacon index belongs to commercial broadcasting stations and should not be used for navigation.
Station positions are shown thus:
(Unknown location) (Approximate location)

NOTE E
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 228-229. Authority of the Marine Protection, Research and Sanctuaries Act of 1972 (MPRSA) is delegated from the Environmental Protection Agency (EPA) to the U.S. Coast Guard. Inquiries for addresses of EPA offices.

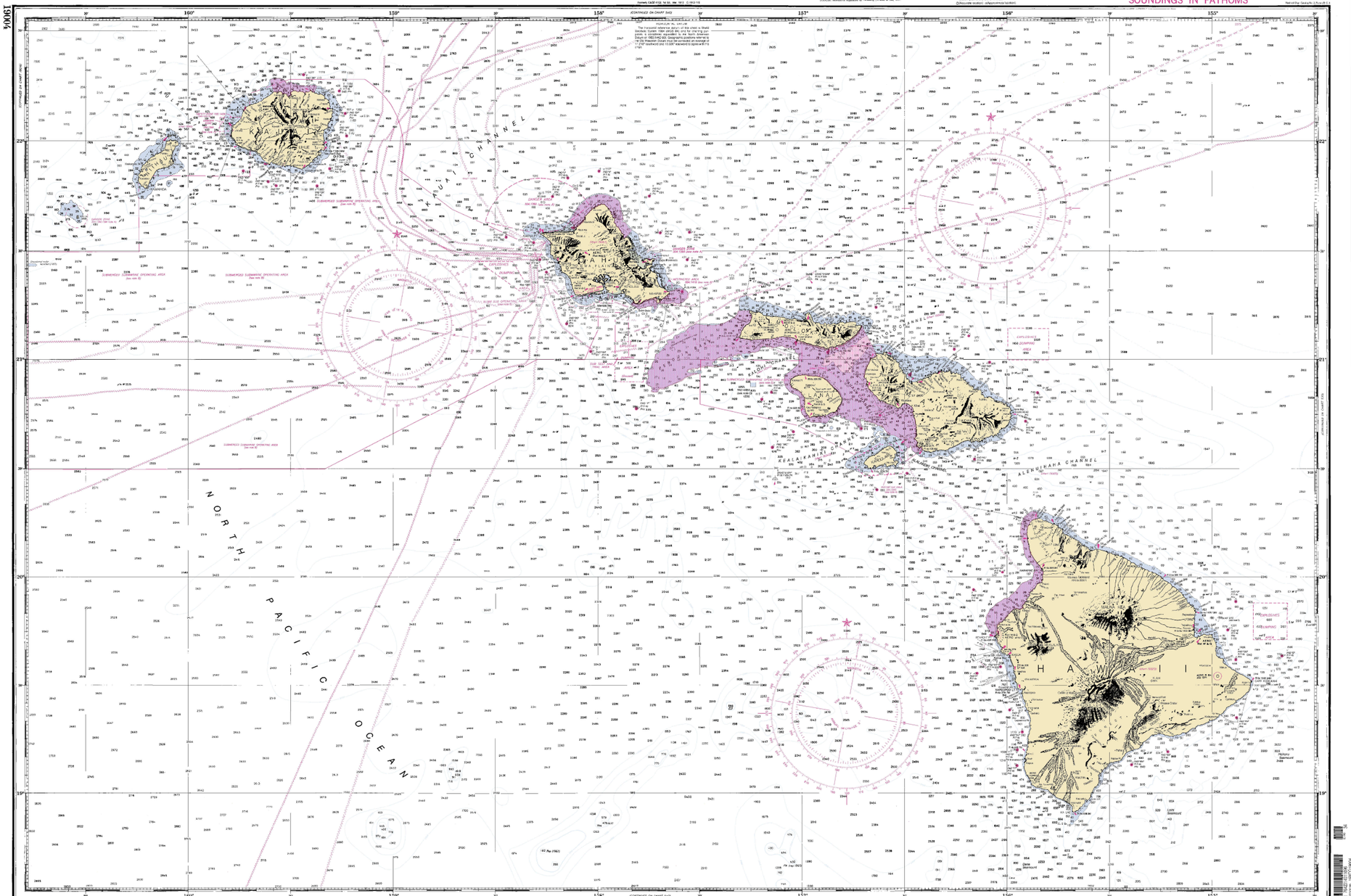
NOTE F
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Notices to mariners in Chapter 2 are published in the Notices to Mariners, Chapter 2, and are available free of charge from the Office of the Commandant, 14th Coast Guard District (Honolulu), or the Office of the District Engineer, Corps of Engineers in Honolulu, Hawaii.
Refer to charted regulation section numbers.

NOTE G
PROHIBITED AREAS
Pearl Harbor
Honolulu Bay
Regulations are published in Chapter 14, U.S. Coast Pilot 7.

CAUTION
SUBMARINE PIPELINES AND CABLES
Coastal submarine pipelines and submarine cables may exist which are not shown on this chart. Not all submarine pipelines and submarine cables are charted. Those that are shown may not originate, terminate, or cross at the place they are supposed. Marked cables may, nevertheless, be in a different position than charted. Uncharted pipelines and cables may exist in areas which are otherwise navigable, and when anchoring, dragging or navigating in these areas.
Consult U.S. Coast Pilot 7 and Notices to Mariners for information on pipelines and cables.

SOUNDINGS IN FATHOMS

Refer to the Geographic Index (Index No. 1)



Seth Ec., July 27-95 ■
19004

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency (DMA) and Local Notice to Mariners. Mariners should refer to Mariners issued periodically by each U.S. Coast Guard District for the date shown in the lower left hand corner.

SOUNDINGS IN FATHOMS

This nautical chart has been designed to provide safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments to Chief, Nautical Products Branch, N/CG2, Coast Survey, NOAA (NOS), National Ocean Service, NOAA, Silver Spring, Maryland 20910 - 3282.

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

(Hawaiian Islands)
SOUNDINGS IN FATHOMS 1:600,000

19004