UNITED STATES

HAWAII

NI'IHAU TO FRENCH FRIGATE SHOALS

Mercator Projection
Scale 1:663,392 at Lat 23°00'
Astronomic Datum
(Reference Horizontal Datum Note)
SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

Formerly C&GS 4181, 1st Ed., Mar. 1941 C-184-1-500 KAPP 2767

THE NATION'S CHARTMAKER SINCE 1807

19016

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Notices to Mariners, Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
(A)Accurate location (a)Approximate location

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 14th Coast Guard District in Honolulu, Hawaii or at the Office of the District Engineer, Corps of Engineers in Honolulu, Hawaii.
Refer to charted regulation section numbers.

NOTE B

Boundary limits of Submerged Submarine Operating Areas are shown by a solid 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 Naval Target Vessels flying a large red flag at the highest masthead.

NOTE C.
AREA TO BE AVOIDED

All vessels solely in transit should avoid the area (MSC IMO SN.1/Circ.263).

NOTE D

The Areas to be Avoided and the Particularly Sensitive Sea Area have been charted in their true positions. The limits of the Papahānaumokuākea Marine National Monument have been slightly offset for clarity. The inner limit of the Ship Reporting System Area is coincident with the outer limits of the Areas to be Avoided and is not depicted.

NOTE E
SHIP REPORTING SYSTEM

The following vessels entering or departing any U.S. port of place of refuge in the Hawaiian Islands are required to report into the System: all vessels 300 gross tons or greater and all vessels in the event of a developing emergency. The following vessels in transit through the reporting area should report into the System: all vessels 300 gross tons or greater, fishing vessels, and all vessels in the event of a developing emergency. See MO SN.1 Circ. 273. Information concerning the Ship Reporting System is also published in the U.S. Coast Pilot 7, Chapters 2 and 14, and updated through Notices to Mariners. Information on the Ship Reporting System, or to the Commander, 14th Coast Guard District in Honolulu, or at the Office of the District Engineer, Corps of Engineers, in Honolulu.

PARTICULARLY SENSITIVE SEA AREA

The Particularly Sensitive Sea Area (PSSA) is indicated by a dashed green limiting line highlighted with a green screened band used in conjunction with the line symbol for other limits with which the PSSA coincides. A PSSA is an area designated by the International Maritime Organization where mariners should exercise extreme caution. See U.S. Coast Pilot volumes for information regarding this area.

HAWAIIAN ISLANDS NATIONAL WILDLIFE REFUGE

The Hawaiian Islands from longitude 161° W to 178° W are part of the Hawaiian Islands National Wildlife Refuge, and under the jurisdiction of the U.S. Fish and Wildlife Service, Department of Interior.

The islands and atolls in the refuge include Nihoa, Necker Island, French Frigate Shoals, Gardner Pinnacles, Maro Reef, Laysan Island, Lisianski Island, Pearl and Hermes Atoll. National Wildlife Refuge System regulations pertaining to these islands and atolls are contained in CFR 50, parts 25-32.

Entry into the Hawaiian Islands is prohibited without prior approval from the Refuge Manager, Pacific Remote Islands National Wildlife Refuge Complex, U.S. Fish and Wildlife Service, 300 Ala Moana Blvd., Honolulu, Hawaii 96850.

The restrictions apply to all civilian and military agencies as well as individuals.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station nearest below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Kokee, HI	KBA-99	162.40 MHz

For Symbols and Abbreviations see Chart No. 1

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard station if telephone communication is impossible (33 CFR 153).

NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained on this chart to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary of the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the U. S. Coast Guard and National Geospatial-Intelligence Agency, and other sources.

CAUTION:

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

LOCAL MAGNETIC DISTURBANCE

Differences of as much as 30° from the normal variation have been observed on Nihoa and 20° on Necker Island.

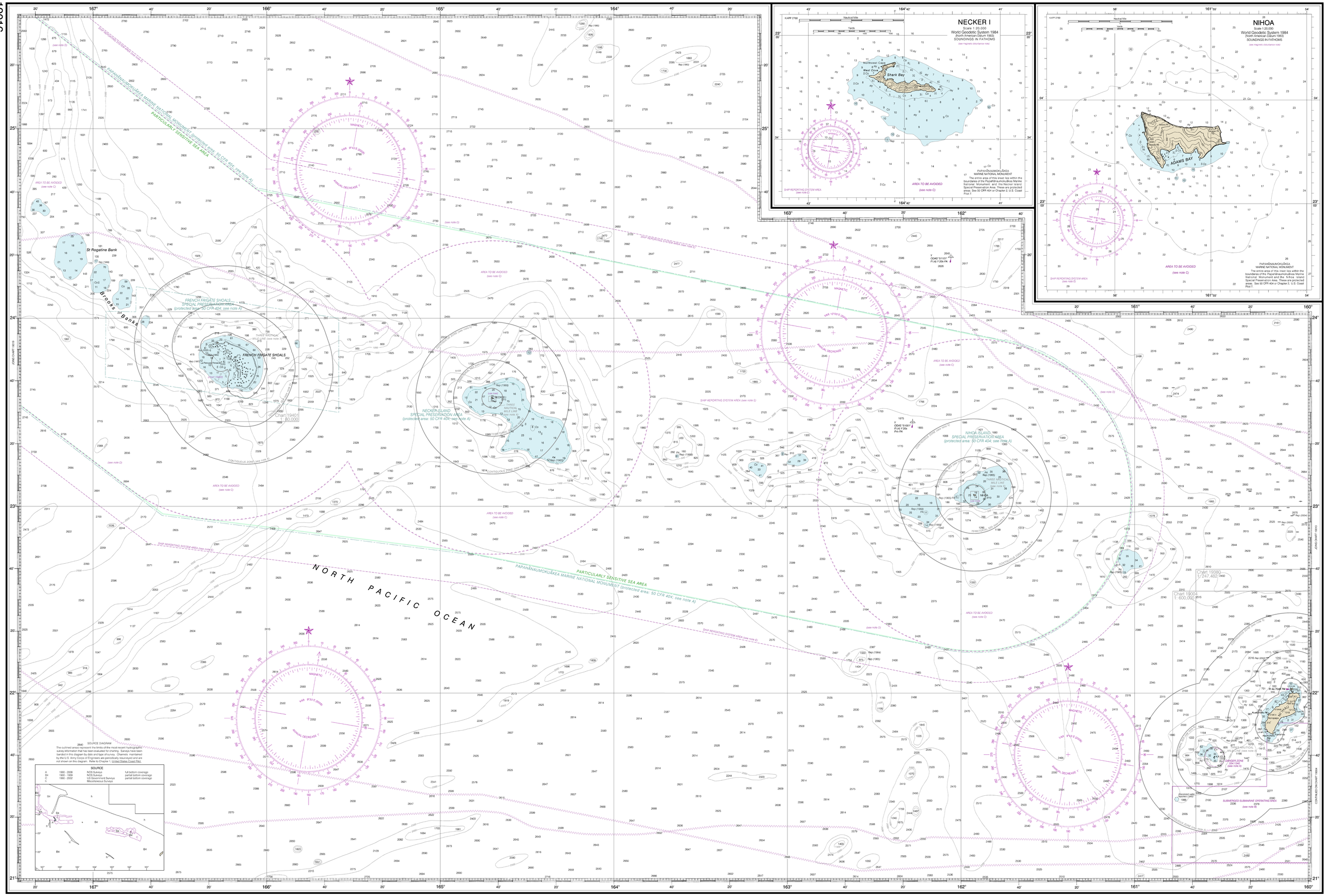
SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

HORIZONTAL DATUM

The horizontal reference datum for this chart is Aeronautic Datum, except where the chart inset for Necker and Nihoa Islands, which are in areas where the World Geodetic System 1984 datum is used. See chart coverage. The large scale chart insets of Necker and Nihoa Islands are World Geodetic System 1984 (WGS84), which for charting purposes is considered equivalent to North American Datum of 1983 (NAD83). The areas within the limits of the gray chart outlines can be considered equivalent to North American Datum of 1983 (NAD83). For charting purposes is considered equivalent to North American Datum of 1983 (NAD83). The charted features within the limits of the gray chart outlines were shifted from various local datums by means of geo-referenced satellite imagery and have not been confirmed by land-based geodetic methods.

SOUNDINGS IN FATHOMS



SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE			
A	1990 - 2008	NOS Surveys	full bottom coverage
B4	1900 - 1939	NOS Surveys	partial bottom coverage
C	1990 - 2002	US Government Surveys	partial bottom coverage
h		Miscellaneous Surveys	

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CAUTION
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner. Chart updates corrected from Notice to Mariners (NM) and the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

Last Correction: 7/17/2013. Cleared through:
LNM: 3715 (9/15/2015), NM: 3915 (9/26/2015)

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If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.

NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

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SOUNDINGS IN FATHOMS

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

FATHOMS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FEET	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
METERS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Ni'ihau to French Frigate Shoals
SOUNDINGS IN FATHOMS - SCALE 1:663,392

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