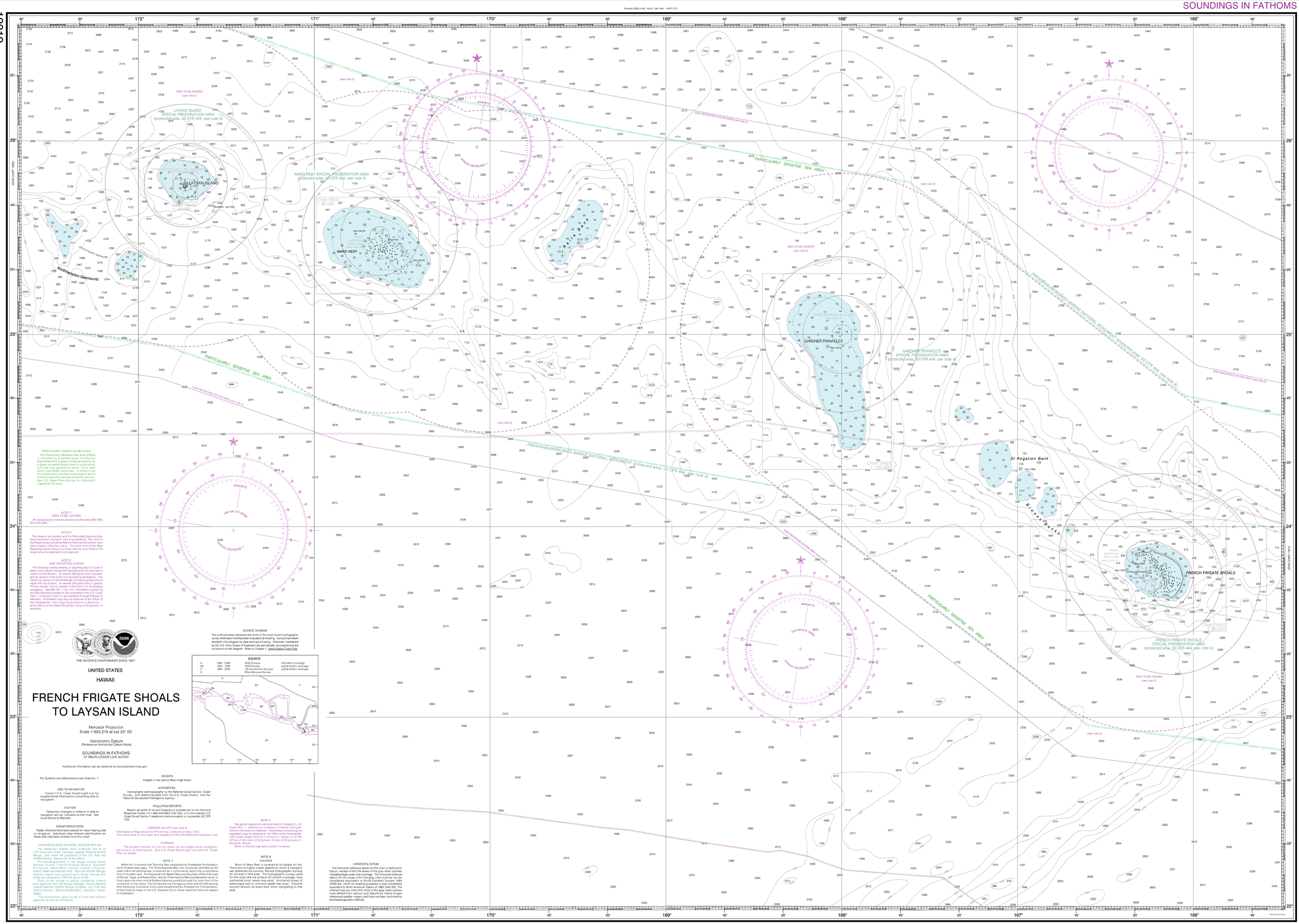
Formerly C&GS 4180; 1st Ed., Feb. 1941 KWP 2770

SOUNDINGS IN FATHOMS



PARTICIPATORY SENSITIVE SEA AREA

The Participatory Sensitive Sea Area (PSSA) is indicated by a dashed green limiting line highlighted with a green screened band or by a dashed green line with a green screened band with the line symbol for other limits with which the PSSA coincides. A PSSA is an environmentally sensitive area around which mariners should exercise extreme caution. See U.S. Coast Pilot volumes for information regarding this area.

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 Participatory 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 co-linear 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 and in transit through the reporting area 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 IMO SN.1, Circ. 273. Information concerning the Ship Reporting System is contained in Chapter 3 of Coast Pilot 7, Chapters 2 and 14, and updated through Notices to Mariners. Information may also be obtained at the Office of the Commander, 14th Coast Guard District in Honolulu, at the Office of the District Engineer, Corps of Engineers, in Honolulu.

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES

HAWAII

FRENCH FRIGATE SHOALS TO LAYSAN ISLAND

Mercator Projection
Scale 1:653,219 at Lat 25° 00'

Astronomic Datum
(Reference Horizontal Datum Note)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

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

For Symbols and Abbreviations see Chart No. 1

AIDS TO NAVIGATION

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

CAUTION

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

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.

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 are administered by the U.S. Fish and Wildlife Service, Department of the 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 to the refuge is strictly prohibited without prior permission of the Refuge Manager, Hawaiian 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.

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 the National Geospatial-Intelligence Agency.

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 facility if telephone communication is impossible (33 CFR 153).

COLREGS, 80.1410 (see note A)

International Regulations for Preventing Collisions at Sea, 1972
The entire area of this chart lies seaward of the COLREGS Demarcation Line.

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.

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 as it continues to depict the jurisdictional limit of the other laws. The 3-nautical mile Natural Resource Boundary off 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 fisheries jurisdiction and the outer limit of the Commonwealth of the Northern Mariana Islands and Commonwealth of Puerto Rico. 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.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot. Regulations pertaining 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
CAUTION

Much of Maro Reef is covered at all stages of tide. There are no highly visible objects by which a navigator can determine his position. Recent hydrographic surveys do not exist in this area. The hydrographic surveys used for this chart did not achieve full bottom coverage, thus uncharted coral heads may exist. Uncharted areas of submerged reef of unknown depth may exist. Extreme caution should be exercised when navigating in this area.

HORIZONTAL DATUM

The horizontal reference datum for this chart is Astronomic Datum, except within the areas of the gray chart outlines indicating larger scale chart coverage. The horizontal reference datum for the areas within the gray chart outlines can be considered equivalent to World Geodetic System 1984 (WGS-84). The World Geodetic System 1984 datum is equivalent to North American Datum of 1983 (NAD-83). 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.

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 - 1909	NOS Surveys	partial bottom coverage
C	1990 - 2002	US Government Surveys	partial bottom coverage
h		Miscellaneous Surveys	

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 dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

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

FATHOMS																			
FEET																			
METERS																			

French Frigate Shoals to Laysan Island
SOUNDINGS IN FATHOMS - SCALE 1:653,219

19019

19019

11th Ed., Apr. 2008. Last Correction: 12/20/2013. Cleared through:
LNM: 5116 (12/20/2016), NM: 5316 (12/31/2016)

To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).

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

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