SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)

18720

Formerly C & GS 5202, 1st Ed., Dec. 1915 C-1937-470 KAPP 1980

JOINS CHART 18700

CHEMICAL MUNITIONS DUMPING AREA DISUSED (see note B)

CAUTION PT MUGU SEA RANGE

DANGER AREA 334.1130 Includes Zones 1 through 9 (see note A)

NOTE B
CHEMICAL MUNITIONS DUMPING AREA - RESTRICTION
Area was formerly used or designated for U.S. Chemical Munitions Dumping. Area is now sewer disconnected. Dredging or such area in no way constitutes authority for dumping.

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

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Geological Survey and U.S. Coast Guard.

NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-228. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency. See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

HEIGHTS
Heights in feet above Mean High Water.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated)
AERO aeromautical
Al alternating
Bn beacon
C can
DIA diaphone
F fixed
Fl flashing
G green
Gp group
IQ interrupted quick
Iso isophase
LT HO lighthouse
M nautical mile
m minutes
MORO TR microwave tower
Mo morse
Mo morse code
N nun
NRSC obscured
Oc occulting
Or orange
Q quick
R red
RACON radar reflector
R Bn radiobeacon
R TR radio tower
Ray rotating
s second
SLC sector
St W statuto miles
VQ very quick
W white
WHIS whistle
Y yellow
Colors characteristics:
Blk blackish
Br brown
Gy gray
h hard
Gn grass
M mud
Miscellaneous:
ACTV activated
ED existence doubtful
Obstn obstruction
PA position approximate
PD position doubtful
Rep reported
Subm submerged

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The range of each station is about 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

San Luis Obispo, CA	KIH-31	162.550 MHz
Santa Barbara, CA	KIH-34	162.400 MHz
Santa Barbara Marine, CA	WWF-62	162.475 MHz

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).

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation, to enhance their radar detector identification on those aids has been omitted from this chart.

NOTE K
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 Nautical Mile was established by Secretary 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 fisheries 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.

MINERAL DEVELOPMENT STRUCTURES
Obstruction lights and sound (fog) signals are required for fixed mineral development structures shown on this chart, subject to approval by the District Commander, U.S. Coast Guard (33 CFR 67).

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

NOTE C
AREAS TO BE AVOIDED
All ships, except those bound to and from ports on one of the islands within the areas, engaged in the trade of carrying cargo, including but not limited to tankers and other bulk carriers and barges, should avoid the areas. (MSC, IMO SN/Circ.243, IMO SN.1/Circ.340 Annex 2).

NOTE F
Submerged submarine operations are conducted at various times in the waters contained on this chart. Proceed with caution.

NATIONAL MARINE SANCTUARIES
& MARINE PROTECTED AREAS
National Marine Sanctuaries are protected areas, administered by NOAA, which contain sensitive and diverse natural and cultural resources. These areas are particularly sensitive to environmental damage such as spills of oil and other hazardous materials, discharges and groundings. Exercise particular caution and follow applicable Sanctuary regulations when navigating in these areas. Additional information about Sanctuaries may be found in 15 CFR 922 and in the U.S. Coast Pilot. A full description of the federal regulations governing the Marine Protected Areas located within Channel Islands National Marine Sanctuary boundaries may be found in 15 CFR 922 and 50 CFR 660. A full description of the state regulations governing the Marine Protected Areas located within Channel Islands National Marine Sanctuary boundaries may be found in Title 14 California Code of Regulations (CCR) section 632.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83). The use of this datum for purposes is considered equivalent to the World Geodetic System of 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.009' northward and 3.407" westward to agree with this chart.

NOTE C
AREAS TO BE AVOIDED
All ships, except those bound to and from ports on one of the islands within the areas, engaged in the trade of carrying cargo, including but not limited to tankers and other bulk carriers and barges, should avoid the areas. (MSC, IMO SN/Circ.243, IMO SN.1/Circ.340 Annex 2).

NOTE F
Submerged submarine operations are conducted at various times in the waters contained on this chart. Proceed with caution.

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - WEST COAST

CALIFORNIA

POINT DUME TO PURISIMA POINT

Mercator Projection
Scale 1:232,188 at Lat. 34°00'

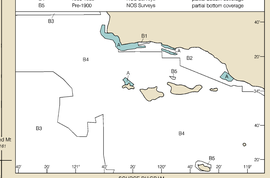
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO ELEVEN FATHOMS)
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov
(For offshore navigation only)
Use larger scale chart outlined in magenta for inshore navigation

SOURCE DIAGRAM

SOURCE		
A	1990-2017	NOS Surveys	full bottom coverage
B1	1990-1996	NOS Surveys	partial bottom coverage
B2	1970-1989	NOS Surveys	partial bottom coverage
B3	1940-1969	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage
B5	Pre-1900	NOS Surveys	partial bottom coverage



The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been plotted in the Mariner's Standard Nautical Chart. Information concerning the surveys may be obtained 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.

NOTE K
MARINER ACTIVATED SOUND SIGNALS
Sound signals labeled with (MRASS) require user activation. See USCG Light List.

NOTE E
TRAFFIC SEPARATION SCHEME
One-way traffic lanes, inadvertently on this chart are RECOMMENDED for use by all vessels traveling between the points involved. They have been designed to aid in the prevention of collisions at the approaches to major harbors and in congested waterways. Nothing contained in this chart is intended in any way to supersede or alter the applicable Rules of the Road. Separation zones are increased to separate inbound and outbound traffic, and to be free of ship traffic. Separation zones should not be used except for crossing purposes. When crossing traffic lanes and separation zones use extreme caution.

CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area ——— Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of eight fathoms or less, and in areas where pipelines and cables may exist, and when anchoring, dragging, or fishing.
Covered wells may be marked by lighted or unlighted buoys.

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, 11th Coast Guard District, Alameda, California or at the Office of the District Engineer, Corps of Engineers in Los Angeles, California.
Refer to charted regulation section numbers.

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 National Geospatial-Intelligence Agency Publication 117.
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Information concerning buoys shown thus:
(Accurate location) ( ) (Approximate location)

ACOUSTIC RANGE FACILITY
Numerous shore connected bottom cables are located within the outlined area.

CONTINUED ON CHART 18022

CONTINUED ON CHART 18020

JOINS CHART 18740

Chart 18721 · Chart 18727 · Chart 18725 · Chart 18729 · Chart 18726 · Chart 18756 · Chart 18755

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.

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.

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

SEA AREA(S) (NAVTEX, SafetyNET) BROADCAST WARNINGS
Portions of the traffic separation scheme shown on this chart have been amended by the IMO. See IMO COLREG.2/Circ.64 and COLREG.2/Circ.78 Annex 2.
Please be advised that these portions have not been revised by the United States Coast Guard and that the corresponding changes have not been updated in the Code of Federal Regulations (33 CFR part 167). There are differences between the two traffic separation schemes and caution is advised.

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)

FATHOMS	0	1	2	3	4	5	6	7	8	9	10	11
FEET	0	6	12	18	24	30	36	42	48	54	60	66
METERS	0	1	2	3	4	5	6	7	8	9	10	11

Point Dume to Purisima Point
SOUNDINGS IN FATHOMS - SCALE 1:232,188

18720

Use ENC charts for the most up to date information. References to other charts may no longer be applicable.
Vida P.L. Jay, 2020, Last Correction: 04/22/2023. Cleared through:
Notice to Mariners (NM) 17 dated 04/25/2023
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.

(POD) providers fulfill a vessel's requirement to carry a navigational chart "published by the National Ocean Service" in accordance with federal regulations, including but not limited to 33 C.F.R. 164.33(a), 33 C.F.R. 164.72(b), and 46 C.F.R. 28.225(a). POD charts meet stringent print standards and can be recognized by an official certification of authenticity printed on the chart. A list of POD providers can be found at: nauticalcharts.noaa.gov/pod