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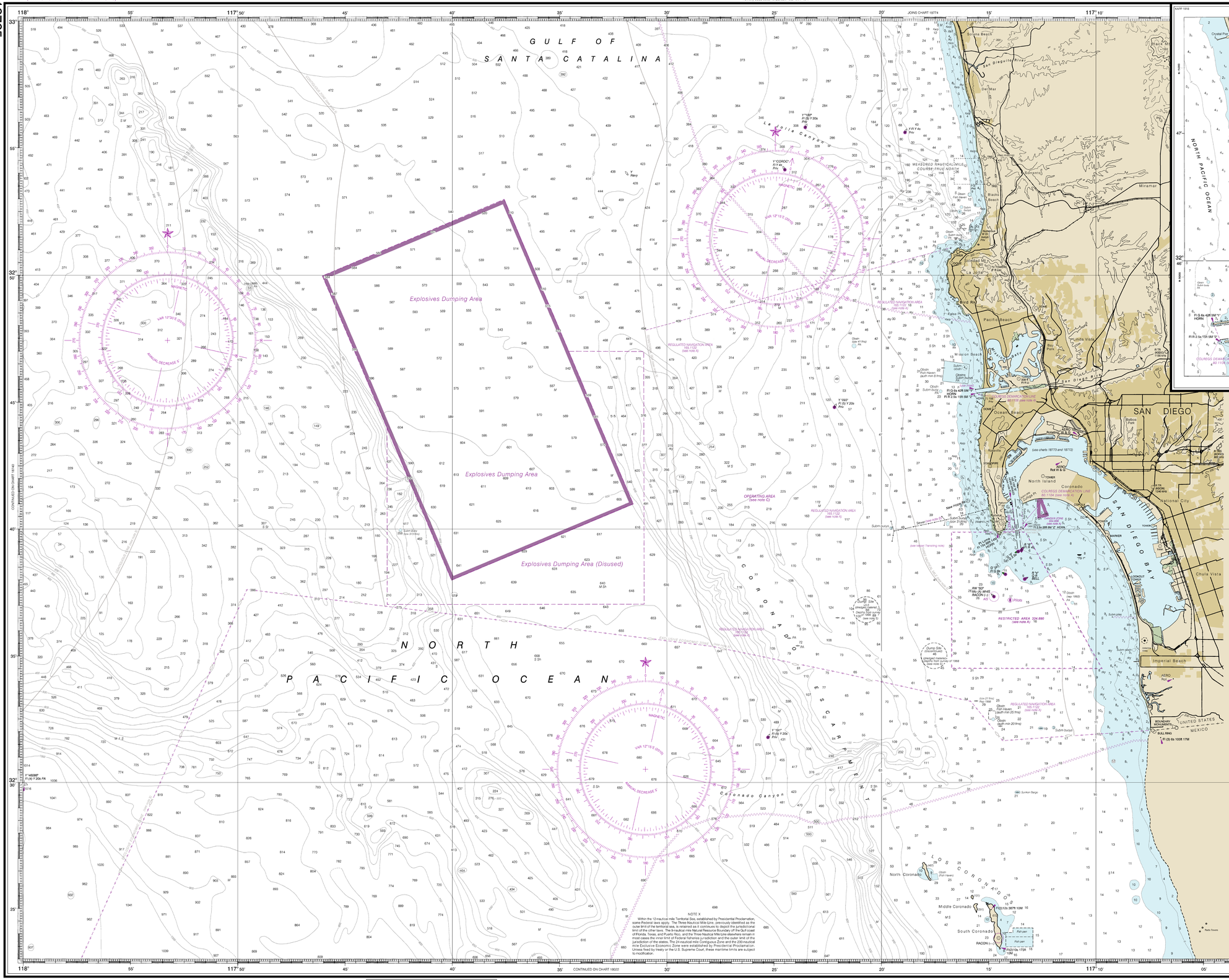
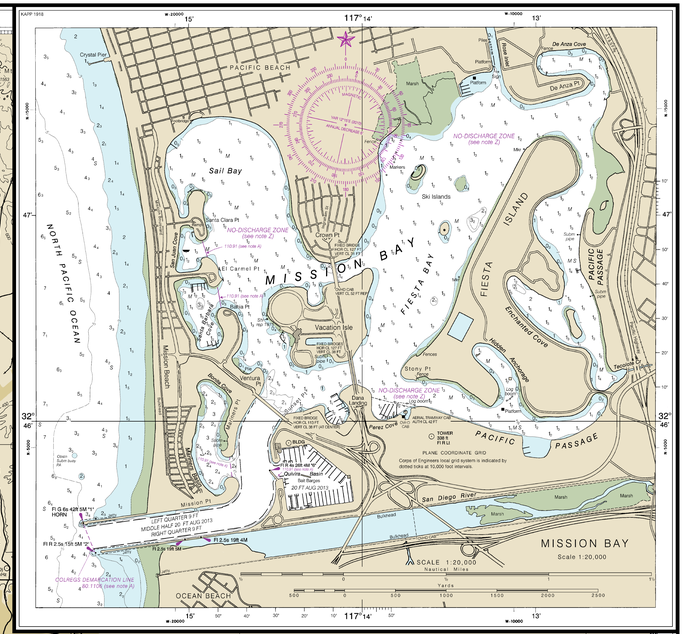
Formerly C&GS 5060, 1st Ed., Jan. 1965; KAFP 1917





THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - WEST COAST
CALIFORNIA

APPROACHES TO

SAN DIEGO BAY

Mercator Projection
Scale 1:100,000 at Lat. 32°42'

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 Symbols and Abbreviations see Chart No. 1

COLREGS: International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus: — — —

NOTE B
The Point Loma Outfall Pipeline Buoys mark dangerous shoaling along the pipeline which may present a danger to mariners transiting the area.

SAN DIEGO BAY ENTRANCE
The project depth is 42 feet.
For controlling depth see charts 18773, 18772.

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

NOTE K
MARINER ACTIVATED SOUND SIGNAL (MASS):
Horn is activated by keying the mic 5 times on VHF-FM Ch 83A - horn will operate for thirty minutes.

CABLE AND PIPELINE AREAS
The cable and pipeline areas falling within the area of the larger scale charts are shown thereon and are not repeated on this chart.

NOTE C
NAVAL OPERATING AREA
Vessels should use caution while transiting this area due to naval test operations which involve frequent maneuvers in the vicinity of and around this location.

NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR 228. Specific information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilot's appendix for addresses of EPA offices.

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

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	1990-2009	NOS Surveys	full bottom coverage
B1	1990-2001	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

TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LATITUDE/LONGITUDE)	Mean Higher High Water	Mean High Water	Mean Lower Low Water
San Diego	(32°43'N/117°10'W)	5.7	5.0	0.0
Crown Point, Mission Bay	(32°47'N/117°14'W)	5.5	4.8	0.0
La Jolla	(32°52'N/117°16'W)	5.3	4.6	0.0

Dashes (— —) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov. (See 3010)

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

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.189" northward and 1.117" westward to agree with this chart.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and National Geospatial-Intelligence Agency.

HEIGHTS
Elevations of rocks, landmarks and lights are in feet and refer to Mean High Water, Contour and summit elevation values are in feet and refer to Mean Sea Level.

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

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.

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).

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

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

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio station listed 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.

San Diego, CA	KEC-62	162.400 MHz

CAUTION
Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light List, and National Geospatial-Intelligence Agency Publication 117. Information on the U.S. Coast Guard navigation broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
Ⓐ(Accurate location) ○(Approximate location)

VESSEL TRANSITING
The U.S. Coast Guard and the Pacific States/British Columbia Oil Spill Task Force endorse a system of voluntary measures and minimum distances from shore for certain commercial vessels transiting along the coast anywhere between Cook Inlet, Alaska and San Diego, California. See U.S. Coast Pilot 7, Chapter 7, Chapter 3 for details.

17th Ed., Nov. 2010
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Last Correction: 10/9/2015. Cleared through:
LNM: 4015 (10/6/2015), NM: 4215 (10/17/2015)

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.

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

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.

This chart was distributed as a PDF (Portable Document Format). Printing PDFs may alter the chart scale, color, or legibility that may impact suitability for navigation. Printed charts provided by NOAA certified Print on Demand (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

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NATIONAL OCEAN SERVICE
COAST SURVEY

SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO 11 FATHOMS)

FATHOMS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FEET	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
METERS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Approaches to San Diego Bay
SOUNDINGS IN FATHOMS - SCALE 1:100,000

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