

BookletChart™

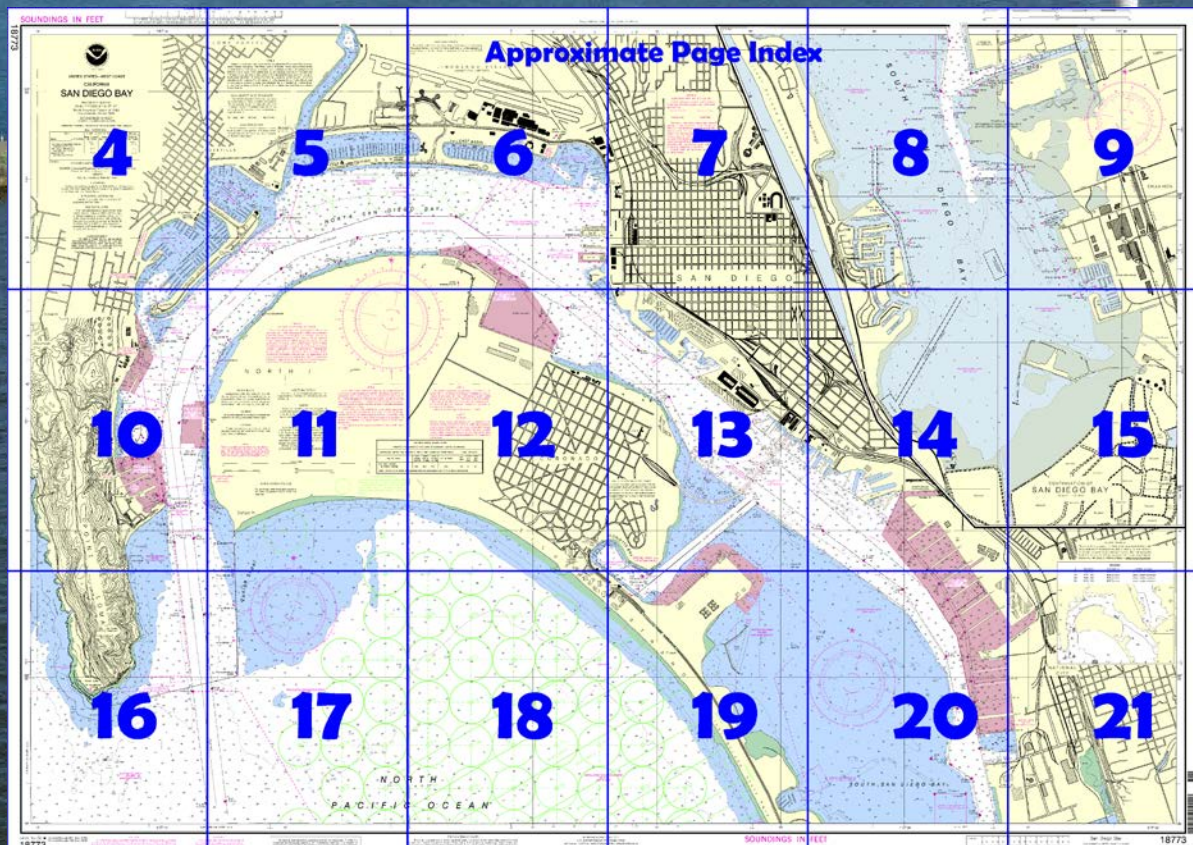
San Diego Bay NOAA Chart 18773



A reduced-scale NOAA nautical chart for small boaters
When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=18773>.



(Selected Excerpts from Coast Pilot)
Vessels waiting outside the entrance for a pilot will find good anchorage in 36 feet or more SE of the entrance to the channel, although permission to anchor in the restricted area must be obtained from the local naval authorities. For permission to use anchorage berths 125, 126, 147, 158, and 171, contact Navy Afloat Training Group Pacific at 619-556-0900. For permission to use anchorage berths 124, 135, 146, and 170, contact Navy Region Southwest Port Operations at

619-556-1433. For permission to use all other anchorage berths off Silver Strand, contact COMNVBEACHGRU at 619-437-2476. The area in

the lee of Point Loma, S of Ballast Point and W of the E line of the project channel, is reserved for pilot boats and harbor patrol or U.S. Government craft. (See **334.880**, chapter 2, for limits and regulations.)
Dangers.—A submerged jetty, marked with lights and daymarks that read "DANGER SUBMERGED JETTY," extends about 220 yards W from Zuniga Point. There are numerous wrecks and obstructions in the shallow area of SE San Diego Bay. Caution should be exercised when navigating outside the marked channels.

Restricted areas are: in the waters off the entrance to San Diego Bay; in the lee of Point Loma and S of Ballast Point; between Ballast Point and Zuniga Point (degaussing station); adjacent to the W side of North Island; 0.4 mile N of Ballast Point, W of the dredged channel; off the NE side of North Island surrounding the Navy Pier; adjacent to and extending SE from the entrance channel to Glorietta Bay. (See **33 CFR 334.860, 334.865, 334.870, 334.880 and 334.890**, chapter 2, for limits and regulations.)

Security zones are: on the W side of the entrance to San Diego Bay surrounding the Naval Base, extending from Ballast Point to just S of the entrance to Shelter Island Yacht Basin (**165.1102**, chapter 2); adjacent to the W and NE sides of North Island (**165.1105 and 165.1104**); around the Navy Pier adjacent to Broadway Pier (**165.1121**); surrounding the Naval Amphibious Base just S of the entrance channel to Glorietta Bay (**135.1120**); surrounding the Naval Station along the waterfront of National City from Chollas Creek to Pier 14 (**165.1101**); within 25 yards of all piers, abutments, fenders, and pilings of the Coronado Bay Bridge (**165.1110**). (See **33 CFR 165.1101, 165.1102, 165.1104, 165.1105, 165.1110, 165.1120, and 165.1121**, chapter 2, for limits/regulations.)

A series of floating protection barriers, anchored by lighted buoys, surrounds the Naval facilities within the security zones: on the W side of the entrance to San Diego Bay; just N of Ballast Point, on the NE side of North Island; and off the Naval Station along the waterfront of National City.

A **safety zone** is E of Harbor Island on the N side of the bay. (See **33 CFR 165.1106**, chapter 2, for limits and regulations.)

Currents.—The currents set generally in the direction of the channels. In the vicinity of the entrance the usual velocity varies from 0.5 to 5 knots depending upon the stage of the tide. S of the end of the jetty there is a slight set toward Zuniga Shoal on the ebb. Great care should be taken while passing Ballast Point as a vessel may take a sudden sheer because of a crosscurrent deflected from Ballast point.

The eddy usually encountered along the ends of the municipal piers makes docking difficult. The velocity and direction of the eddy are irregular, and the greatest care must be exercised by even the most experienced. Strangers should not attempt to dock large vessels without a pilot. (See the Tidal Current Tables for daily predictions.)

Pilotage, San Diego.—All foreign vessels and vessels from a foreign port or bound thereto, and all vessels over 300 gross tons sailing under register between the port of San Diego and any other U.S. port, are subject to pilotage. Further information regarding pilotage requirements are detailed in the Pilotage section of the **Port of San Diego Tariff**, available through the ship's agent or directly from the Port District at 619-686-6343.

The Coast Guard Captain of the Port, San Diego, has designated the ship channels in San Diego Harbor as "narrow channels" for the purposes of enforcing Rule 9 of the Navigation Rules

U.S. Coast Guard Rescue Coordination Center
24 hour Regional Contact for Emergencies

RCC Alameda	Commander	
	11 th CG District	(510) 437-3700
	Alameda, CA	

Navigation Manager Regions



To make suggestions, ask questions, or report a problem with a chart, go to <https://www.nauticalcharts.noaa.gov/customer-service/assist/>

Lateral System As Seen Entering From Seaward

on navigable waters except Western Rivers



For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area. These volumes are available online at <http://www.navcen.uscg.gov>



THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES
CALIFORNIA - WEST COAST

SAN DIEGO BAY

Mercator Projection
Scale 1:12,000 at Lat 32°42'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

For Symbols and Abbreviations see Chart No. 1

Additional information can be obtained at nauticalcharts.noaa.gov

TIDAL INFORMATION

PLACE	NAME	(LAT/LONG)	Height referred to datum of soundings (MLLW)		
			Mean Higher High Water	Mean High Water	Mean Low Water
San Diego (Quarantine Station)		(32°42' N/117°14' W)	feet 5.6	feet 4.8	feet 0.9
National City		(32°40' N/117°07' W)	5.9	5.2	0.9
San Diego (Broadway)		(32°43' N/117°10' W)	6.7	5.0	0.9

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>.
(Apr 2012)

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Department of the Navy and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION

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

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 3.111" westward to agree with this chart.

Within the 12-nautical mile Territorial sea, some Federal laws apply. The Three Mile limit of the territorial sea, is retained limit of the other laws. The 9-nautical mile limit of Florida, Texas, and Puerto Rico, and the most cases the inner limit of Federal jurisdiction of the states. The 24-nautical mile Exclusive Economic Zone were Unless fixed by treaty or the U.S. Supreme Court to modification.

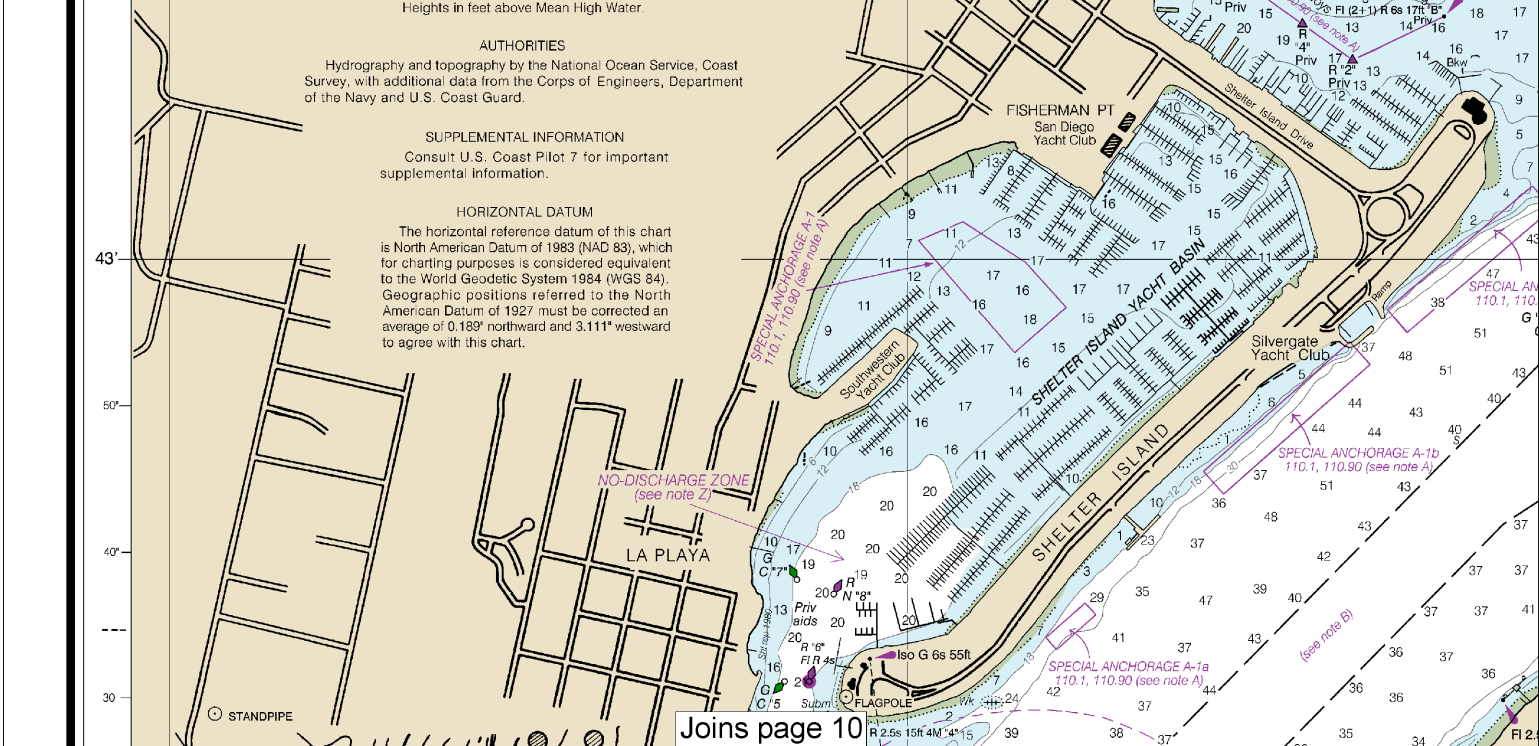
NOAA WEATHER RADIO BROADCAST

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

San Diego, CA KEC-62 162.1

RADAR REFLECTORS

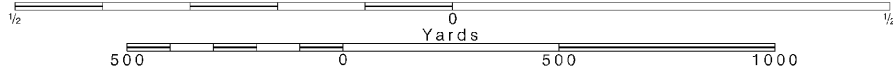
Radar reflectors have been placed on floating aids to navigation. Individual reflector identification on these aids is omitted from this chart.



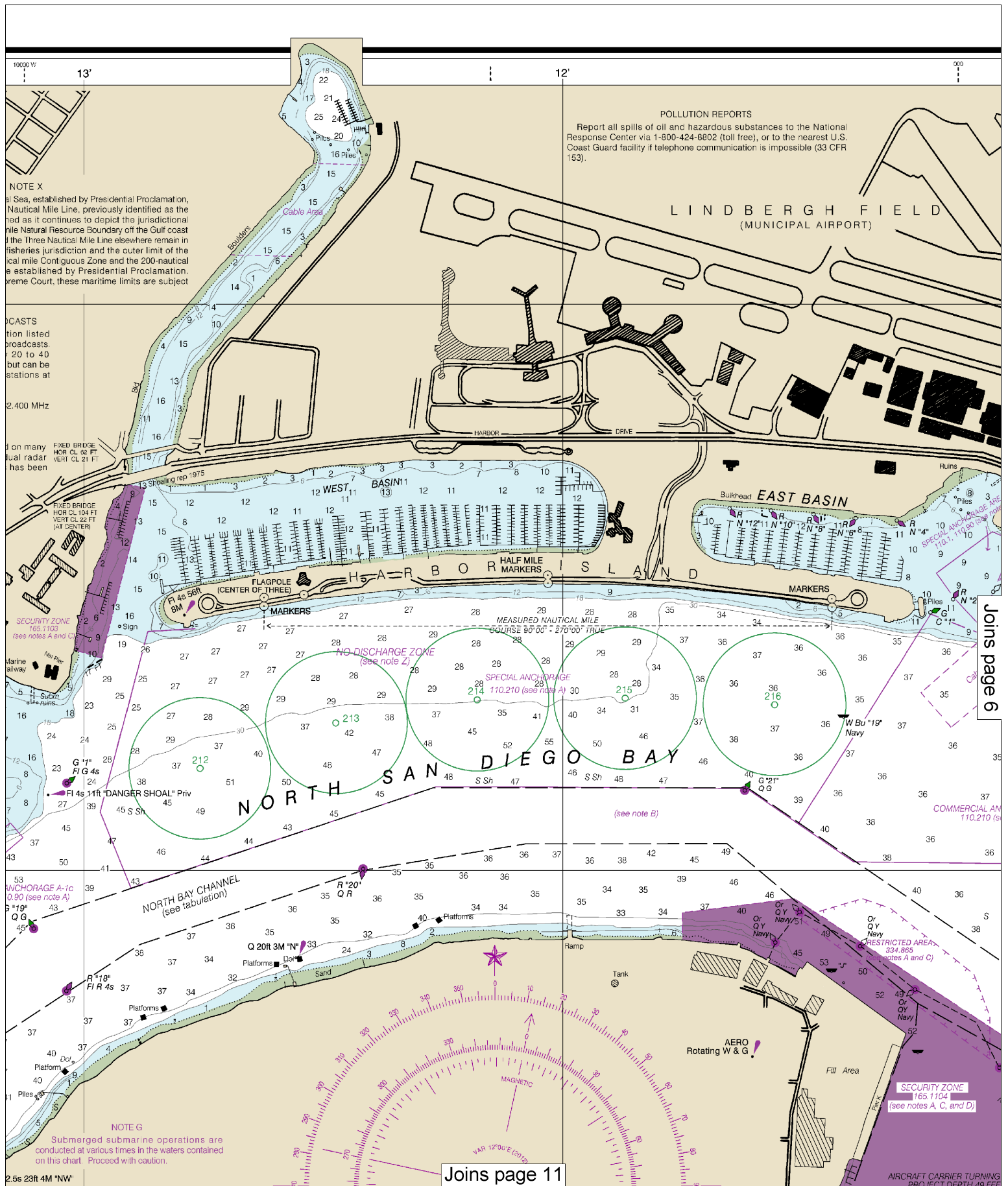
Joins page 10

Note: Chart grid lines are aligned with true north.

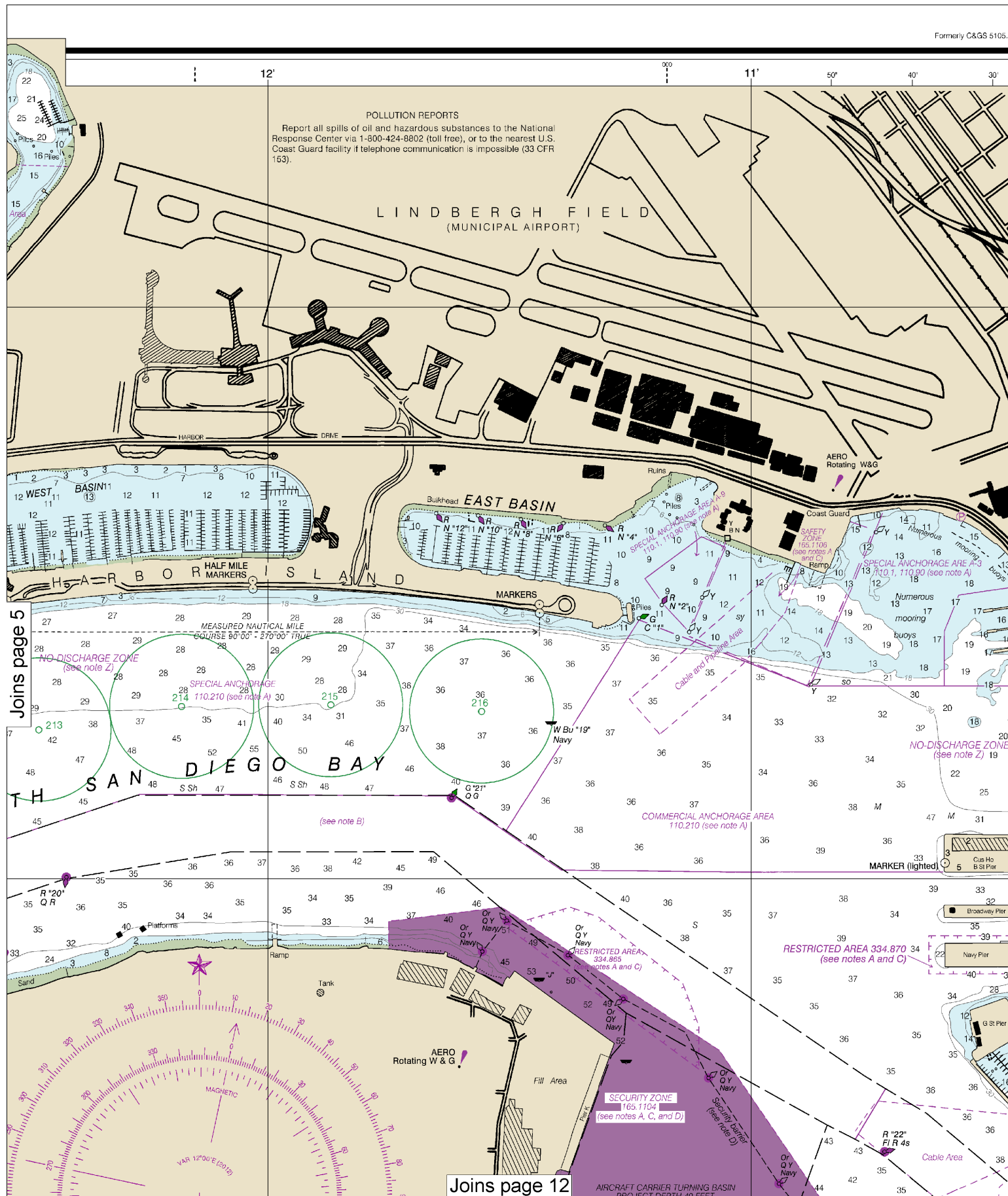
Printed at reduced scale. SCALE 1:12,000

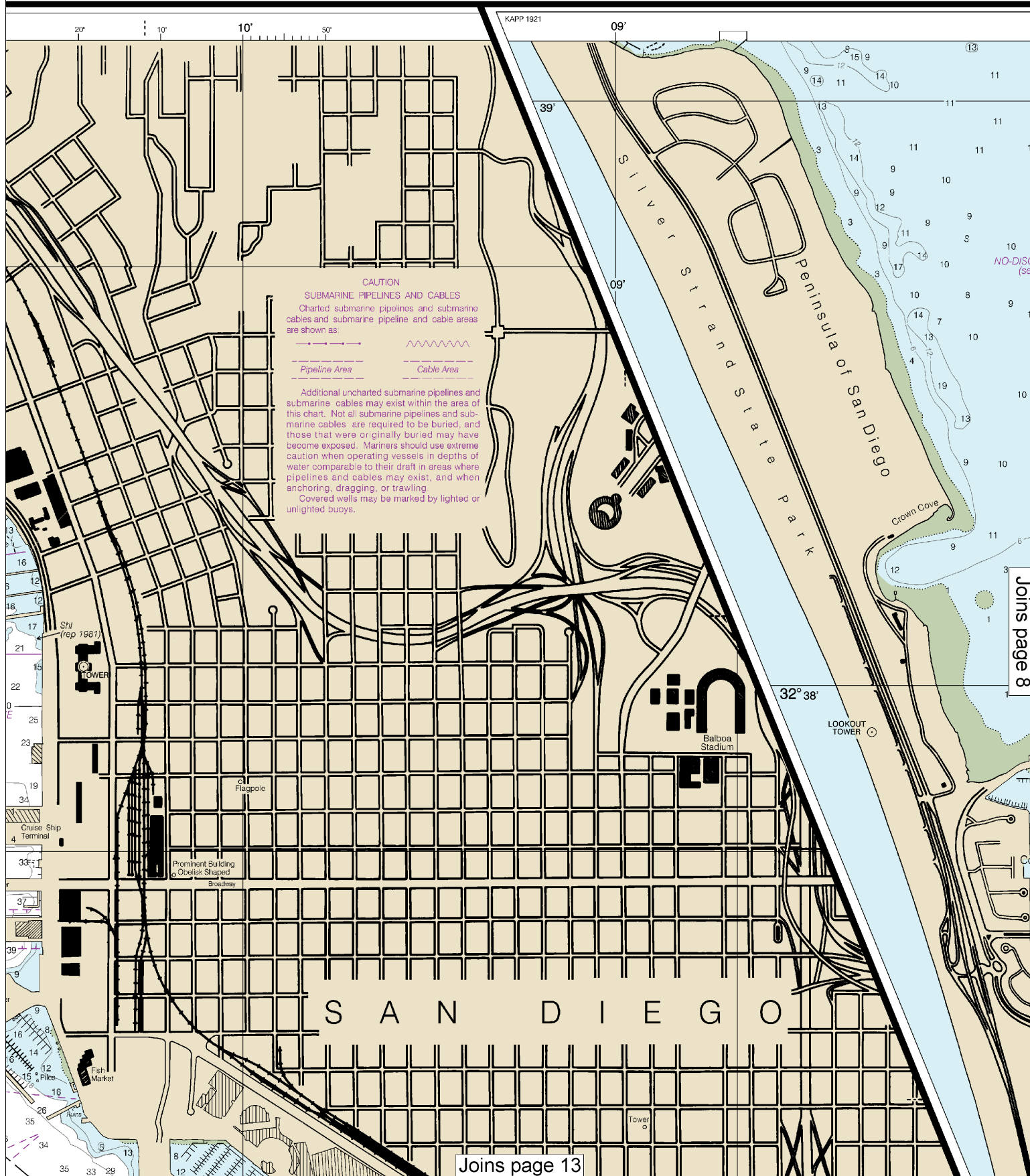


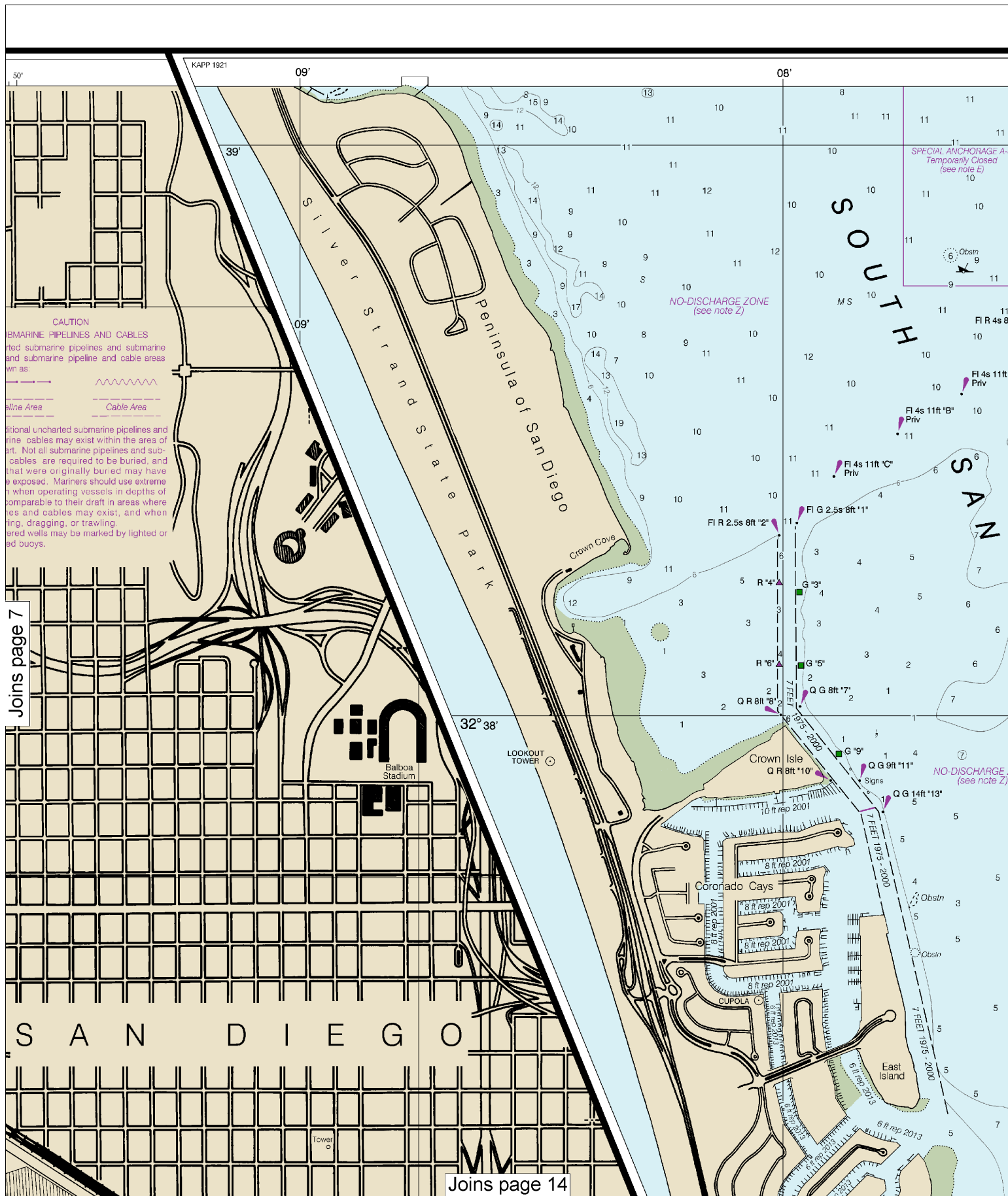
See Note on page 5.



This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:16000. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.







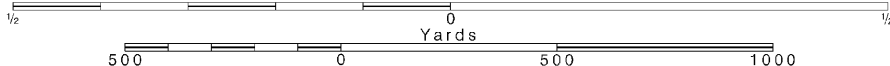
Joins page 7

Joins page 14

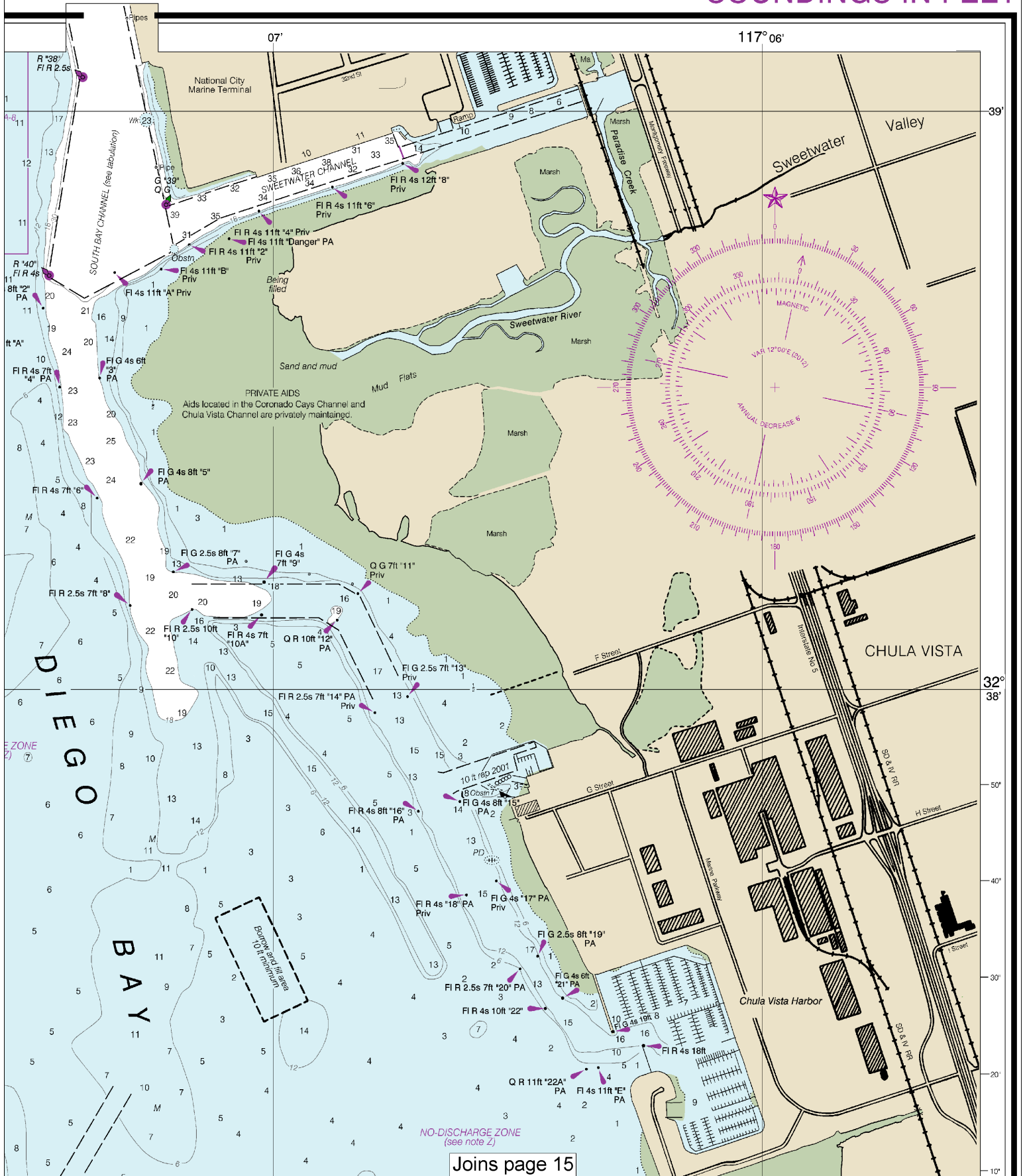
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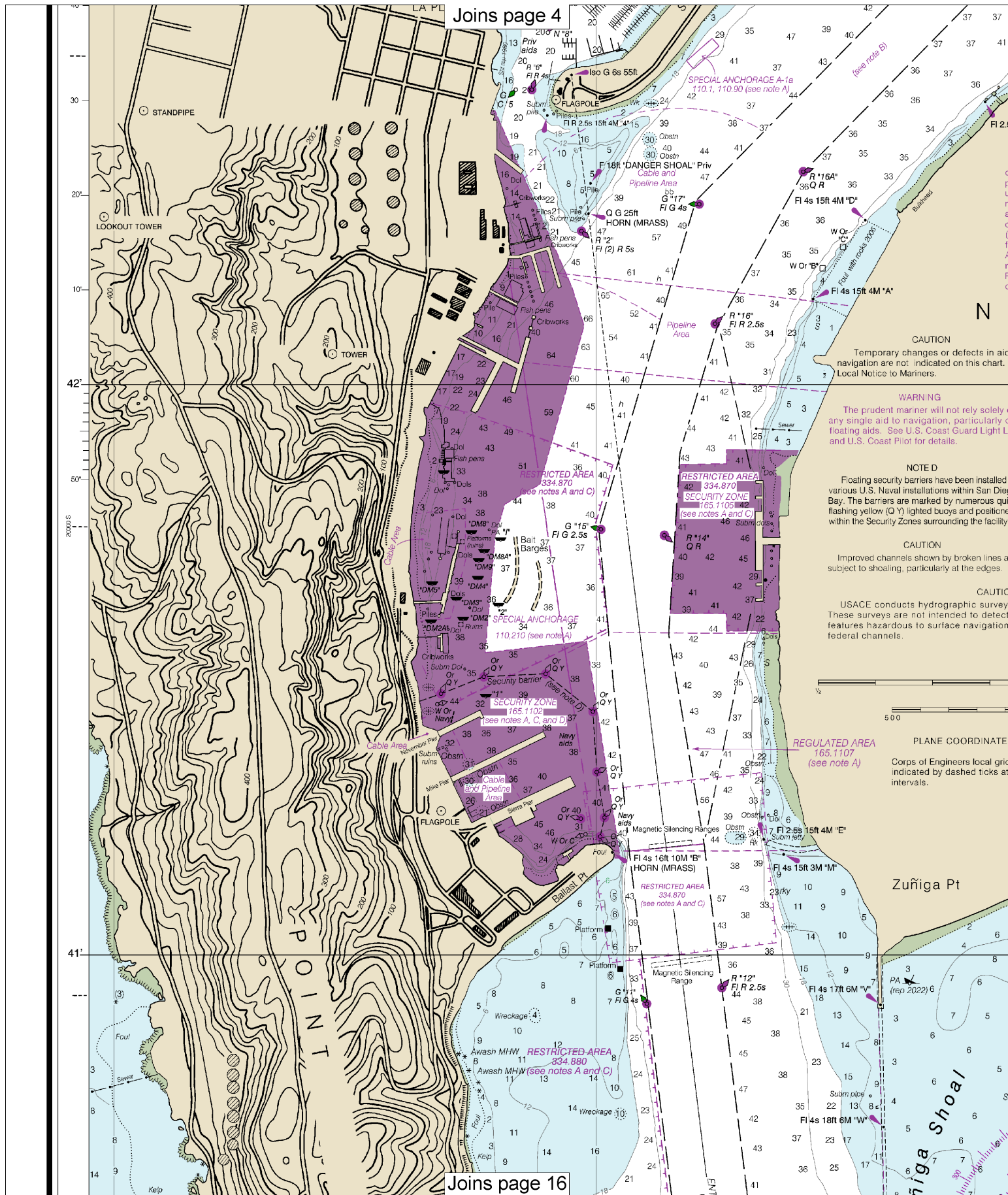
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:12,000



See Note on page 5.









Printed at reduced scale. ~~SCALE 1:12,000~~
Nautical Miles

Diagram illustrating the conversion of 1/2 mile to yards. The top bar represents 1/2 mile, and the bottom bar represents yards. The bottom bar is marked with 500, 0, 500, and 1000 yards.

GLORIETTA BAY

14

17

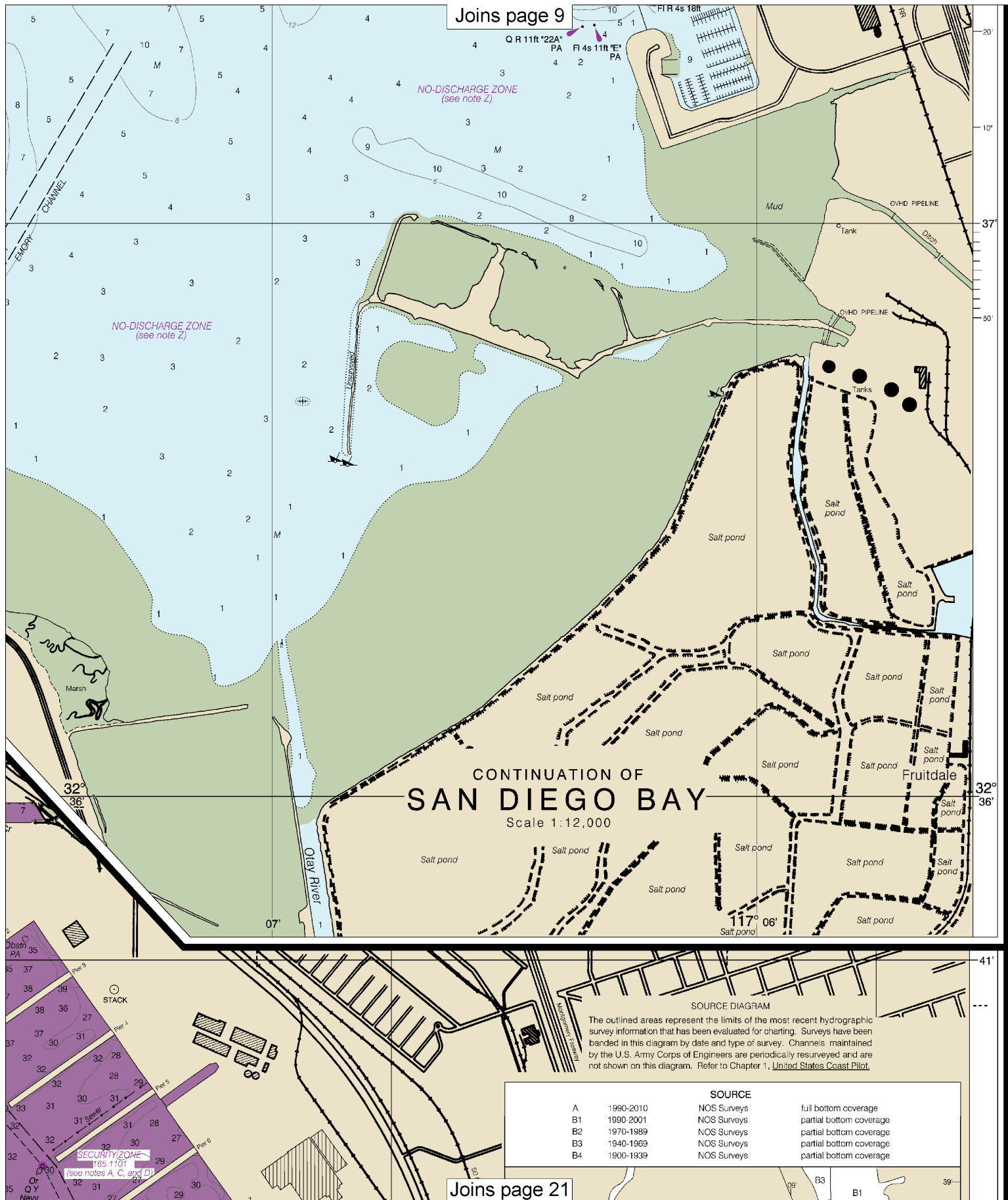
16

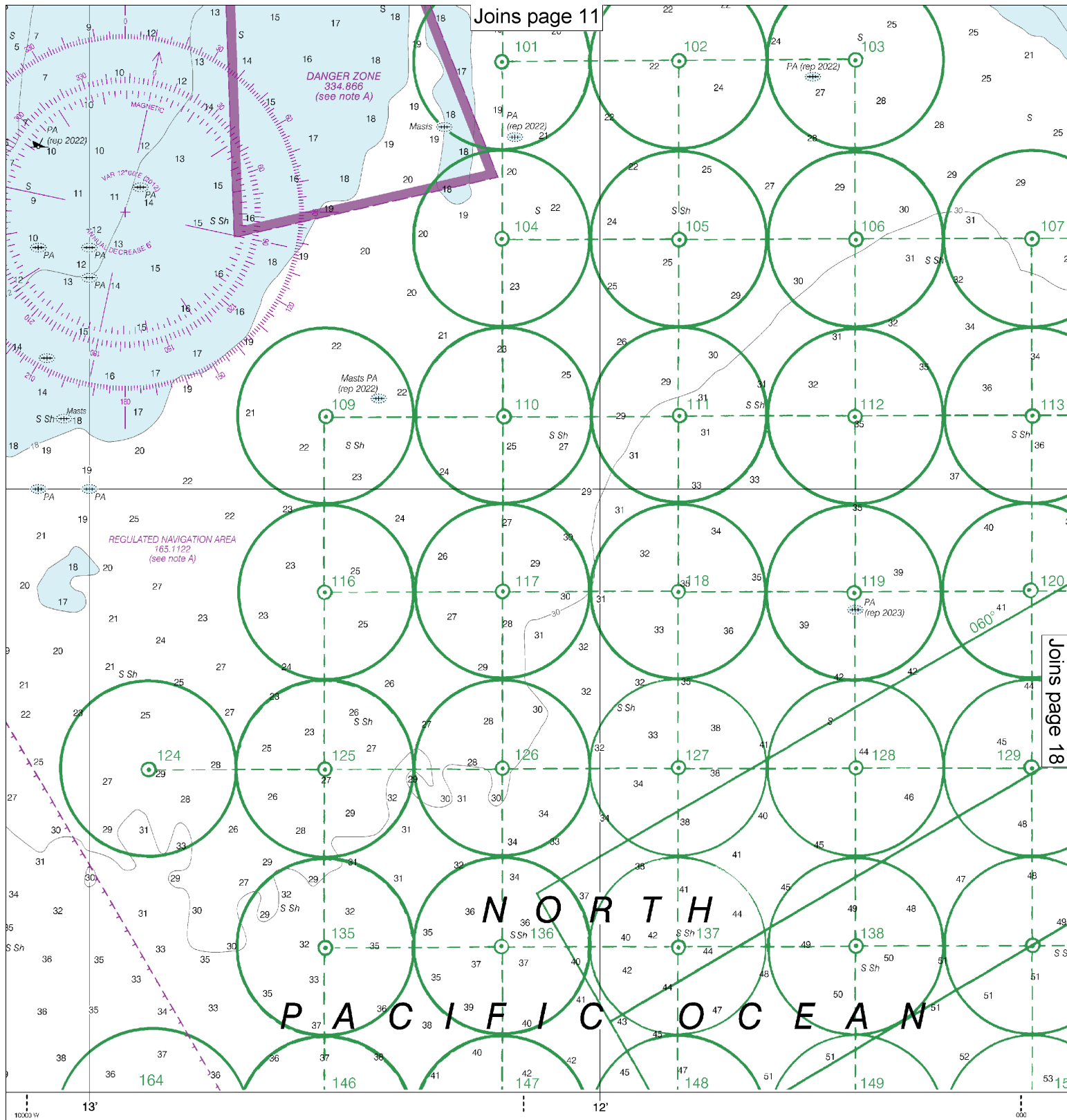
A set of 3 fixed white lights is mounted vertically above a green range light on the northwest side at the center of the main inbound channel between piers 18 and 19 and also on the southeast side at the center of the main outbound channel between piers 19 and 20.

SPECIAL ANCH A-5
110.90 (see note A)

SECURITY ZONE
11 165.1120 9
(see notes A and C)

SECURITY ZONE
165.1110
(see notes A and C)



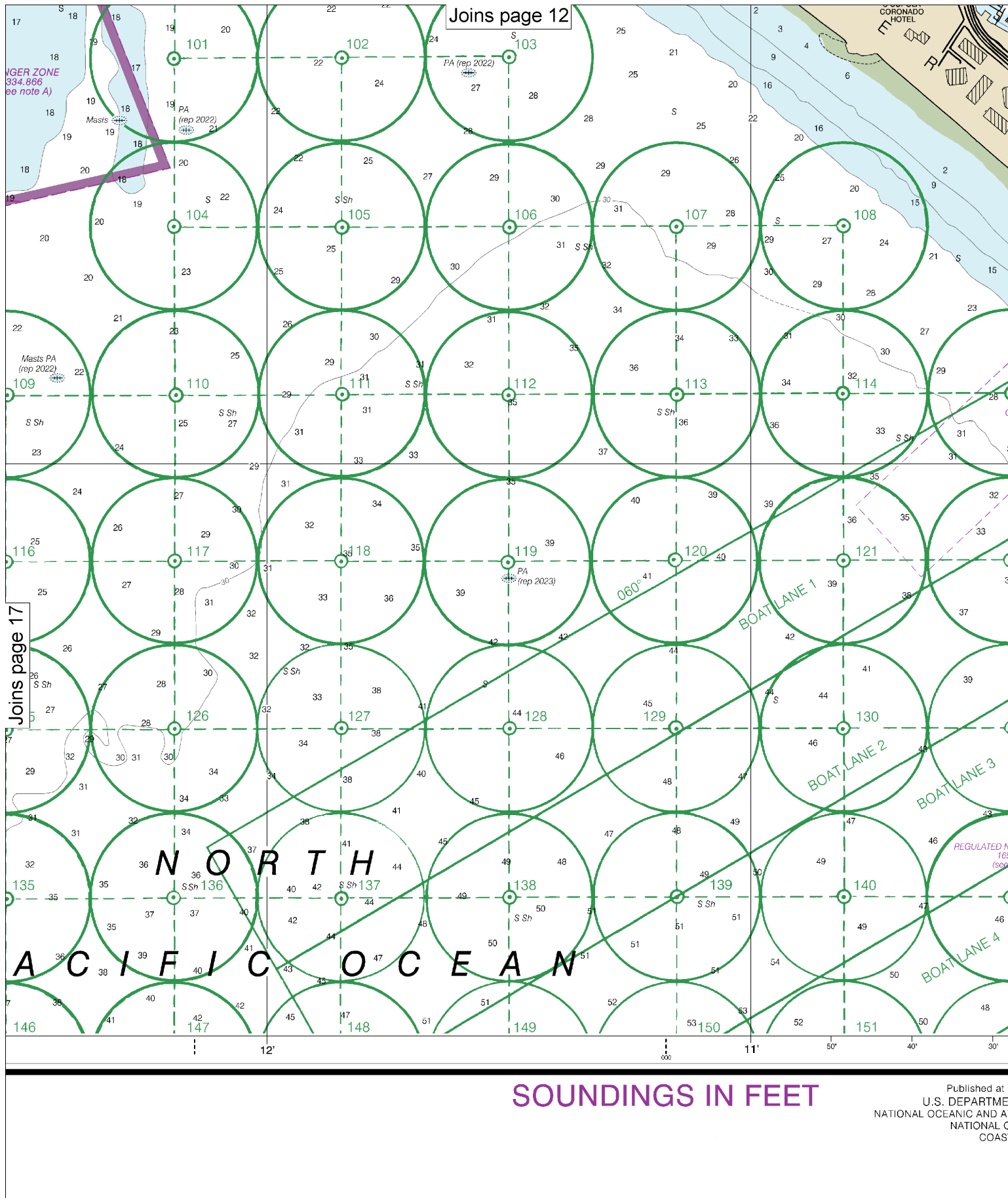


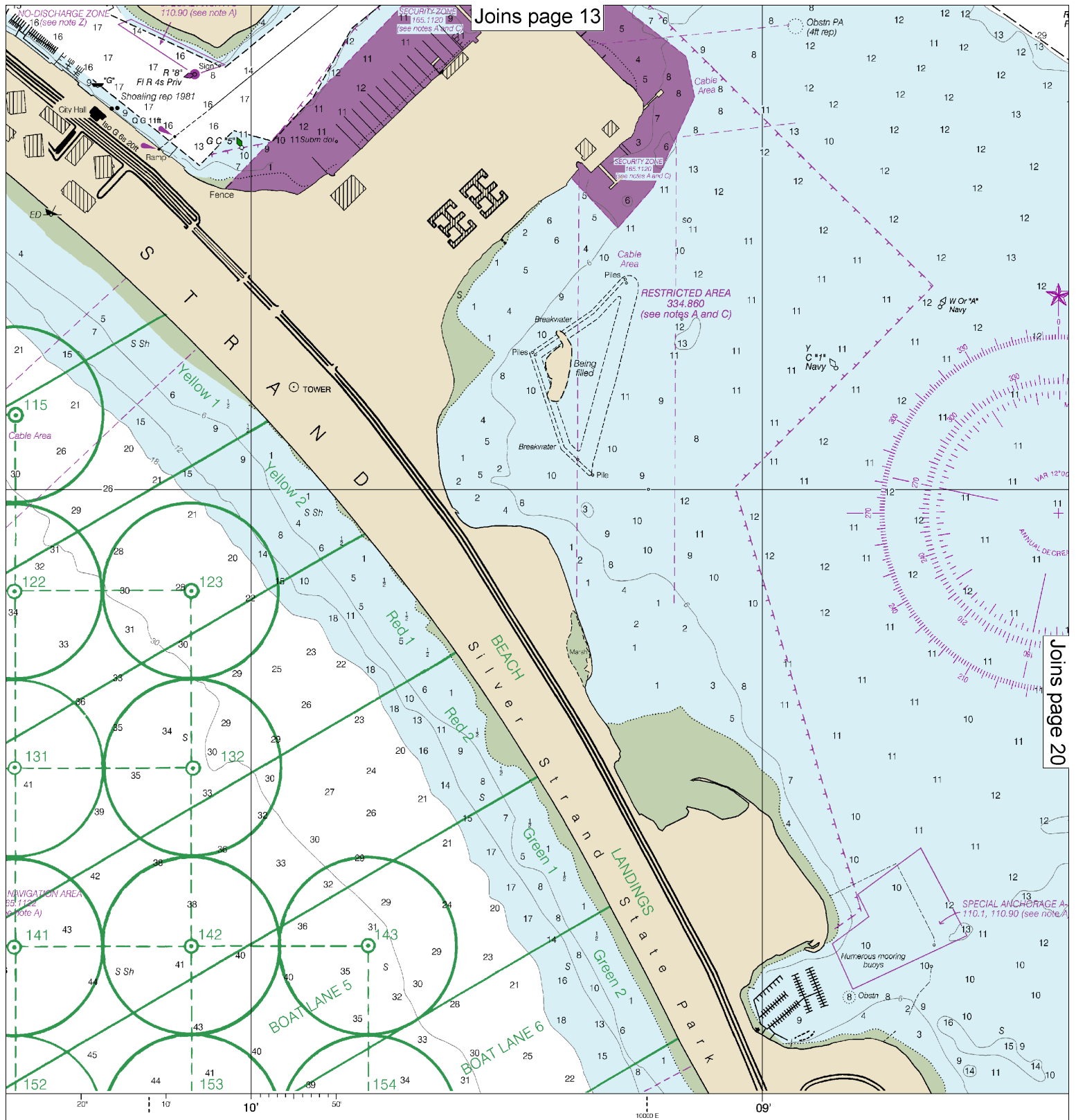
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Joins page 18

For more information, please contact the National Oceanic and Atmospheric Administration (NOAA) at www.nauticalcharts.noaa.gov/staff/contact.htm.

SOUNDINGS



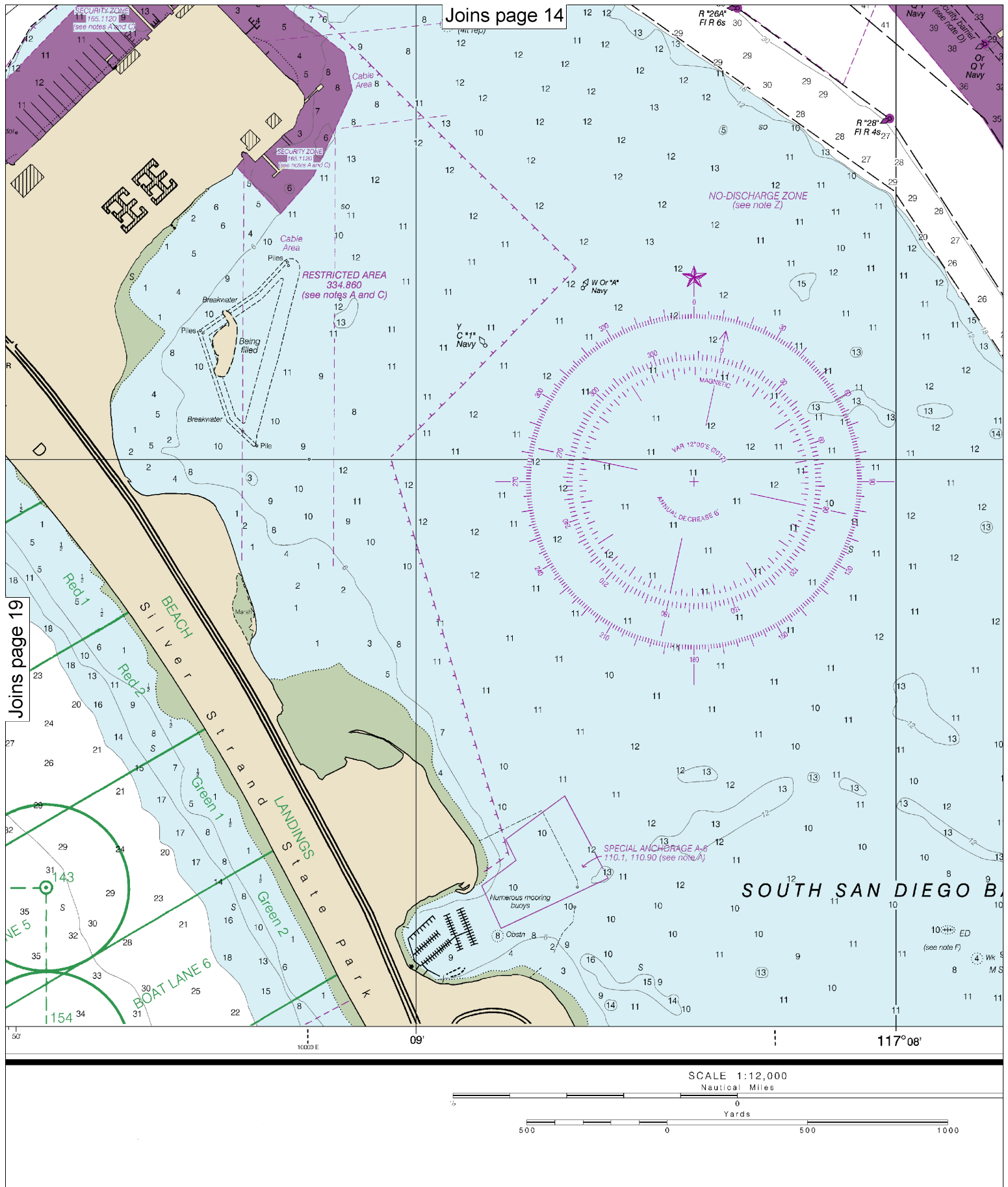


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Joins page 20

Washington, D.C.
DEPARTMENT OF COMMERCE
ATMOSPHERIC ADMINISTRATION
OCEAN SERVICE
HYDROGRAPHIC SURVEY

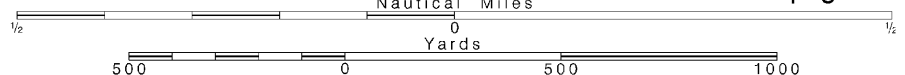




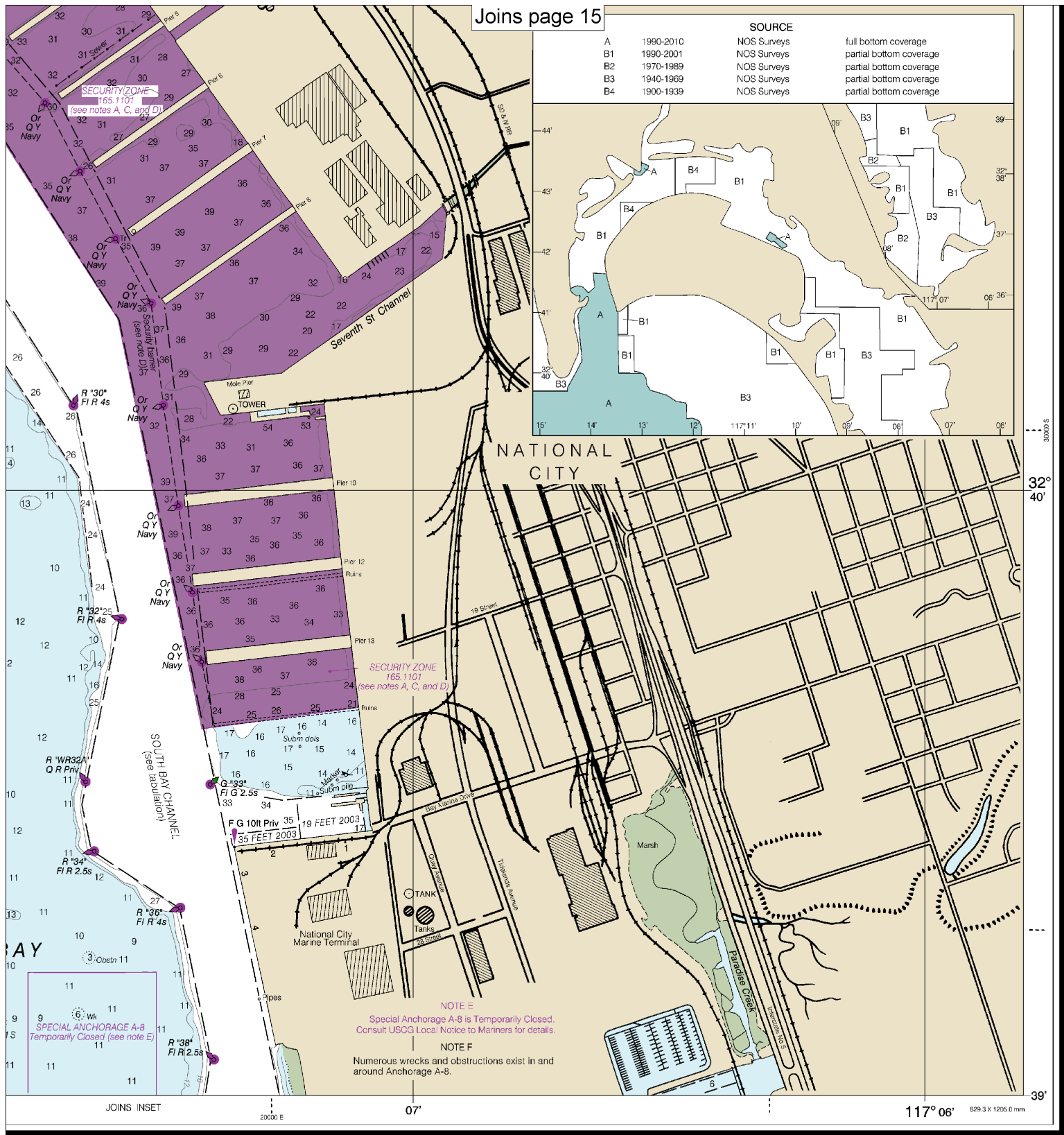
20

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:12,000



See Note on page 5.



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



VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

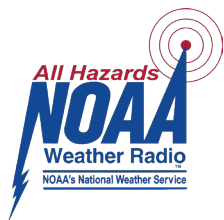
Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

Quick References

Nautical chart related products and information	—	http://www.nauticalcharts.noaa.gov
Interactive chart catalog	—	http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml
Report a chart discrepancy	—	http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx
Chart and chart related inquiries and comments	—	http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs
Chart updates (LNM and NM corrections)	—	http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html
Coast Pilot online	—	http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm
Tides and Currents	—	http://tidesandcurrents.noaa.gov
Marine Forecasts	—	http://www.nws.noaa.gov/om/marine/home.htm
National Data Buoy Center	—	http://www.ndbc.noaa.gov/
NowCoast web portal for coastal conditions	—	http://www.nowcoast.noaa.gov/
National Weather Service	—	http://www.weather.gov/
National Hurricane Center	—	http://www.nhc.noaa.gov/
Pacific Tsunami Warning Center	—	http://ptwc.weather.gov/
Contact Us	—	http://www.nauticalcharts.noaa.gov/staff/contact.htm



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This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.