U.S. Department
of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 11 Week: 19/16

CORRESPONDENCE TO:
COMMANDER
DISTRICT ELEVEN (DPW)
COAST GUARD ISLAND BUILDING 50-2
ALAMEDA, CA 94501-5100

REFERENCES: COMDTPUB P16502.6, Light List Volume VI, 2016 Edition, U.S. Chart No.1 12th Edition, and Coast Pilot Volume 7 46th Edition. These publications, along with corrections, are available at: http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm.

BROADCAST NOTICE TO MARINERS - Information concerning aids to navigation and waterway management promulgated through BNM HB-0011-16, SF-0090-16, LA-0074-16, and SD-0059-16 have been incorporated in this notice, or will continue if still significant.

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

SUBMITTING INFORMATION FOR PUBLICATION IN THE LOCAL NOTICE TO MARINERS

A complete set of guidelines with examples and contact information can be found at http://www.uscg.mil/D11/DP/LnmRequest.asp or call BM1 Alfred Albert at 510-437-2980 or e-mail D11LNM@uscg.mil. Please provide all Local Notice to Mariners submissions 14 days prior to the start of operations.

SUBMITTING REGULATORY AND CONCURRENT PROJECT INFORMATION

Information or requests regarding regulatory items or concurrent projects should be directed to the U.S. Coast Guard Eleventh District Waterways Management Branch at D11waterways@uscg.mil.

LNM: 11/15

BRIDGE INFORMATION-DISCREPANCIES AND CORRECTIONS

For all bridge related issues, including lighting, operation, obstructions, construction, demolition, etc. contact the Eleventh Coast Guard District Bridge Administrator 24 hour cell phone at 510-219-4366. Flotsam may accumulate on and near bridge piers and abutments. Mariners should approach all bridges with caution. A vessel delay at a drawbridge may be reported to the District Bridge Administrator by telephone, or by using the DelayRept0207.pdf included in the Enclosures section of this Local Notice to Mariners.

MARINE SAFETY AND SECURITY BULLETIN

Mariners operating in the vicinity of the entrance to San Diego Bay, specifically adjacent to the Zuniga Jetty, are reminded of the inherent hazards that exist along the semi-submerged break-wall. Follow all navigation charts for safe operating distance around the jetty, associated shoal waters, and rock hazards. Do not navigate across or within any submerged portion of the Coast Guard navigation marked jetty. For additional information see MSSB 005-14 Safety Advisory.pdf in the enclosure section. For more details or comments contact Coast Guard Sector San Diego Waterways Management Division at 619-278-7656 or by email at D11-DG-M-SectorSD-Prevention-WaterwaysManagement2@uscg.mil.

LNM: 49/15

MARINE SAFETY INFORMATION BULLETIN

Some vessel operators are choosing to depart the Traffic Separation Scheme (TSS) established in the Santa Barbara Channel and transit through an area to the south of San Miguel, Santa Rosa, and Santa Cruz Islands (referenced herein as “south of the Channel Islands”). As such, the Los Angeles / Long Beach Harbor Safety Committee has published voluntary western traffic lanes for vessels approaching and departing the Ports of Los Angeles and Long Beach. Mariners transiting through the western and northern approaches to and from the Ports of Los Angeles and Long Beach (LA/LB) are advised that the established TSS through the Santa Barbara Channel as shown on NOAA and Admiralty charts is the only International Maritime Organization (IMO) approved routing measure in this area. An IMO approved TSS reduces the risk of collision by providing for the separation of arriving and departing traffic and minimizing potentially hazardous crossing situations. Mariners, who have traditionally used this approved TSS, are encouraged to continue to do so. For additional information please see MSIB Voluntary Traffic

Lane 11-09.pdf in the Enclosures Section.

LNM: 43/09

MARINE SAFETY INFORMATION BULLETIN

The Harbor Safety Committee of the San Francisco Bay Region adopted a proposal to establish anchorage berthing schemes in general anchorages 7, 8, and 8A. These berthing schemes will provide more efficient use and greater predictability of the available space in these anchorages. All existing regulations governing the use of these anchorages remain in effect. Vessels using these anchorages should strive to let go their anchor in the center of the drop bucket. For more details or comments contact Sean Kelley, Sector San Francisco VTS Director at 415-399-7402. For additional information see MSIB 15-07.pdf in the enclosure section.

LNM: 47/15

SAN FRANCISCO BAY-ENTRANCE TSS-SPEED REDUCTION

NOAA Sanctuaries request a voluntary Vessel Speed Reduction from May 1-November 15 within the SF TSS. Vessels 300 gross registered tons or larger transiting the San Francisco Traffic Separation Scheme (33 CFR 167.400) are encouraged to transit at speeds not in excess of 10kts. These areas contain concentrations of endangered Blue, Humpback, and Fin Whales that are protected under the Federal Endangered Species Act (16 U.S.C. 1538 et seq.), the Marine Mammal Protection Act (16 U.S.C. 1361 et seq.), and the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.). Please report any collisions with whales or any observed injured or dead whales to NOAA at 877-SOS- WHALe 877-767-9425 or to the U.S. Coast Guard on VHF Channel 16. NOAA is asking for the public's help in tracking whales. If you see whales, please record the date, location, the number of whales, the species (if known) and a description of the animals. Please report sightings to whales@noaa.gov. You can also report whales through WhaleAlert, a free application available at http://westcoast.whalealert.org <https://urldefense.proofpoint.com/v2/url?u=http-3A__westcoast.whalealert.org&d=BQMFaQ&c=0NKfg44GVknAUXkWXjNxQ&r=dusC9qxFbed8mXsF9BZqWs6srVGAA59Jim4MDdZwCr8&m=11lCAVb2bZ9a4X70cmR_gfmgEvBvxTE52yqLmOr5nJ0&s=vK-xe75wgriSDsqWnKi8O3qcnqQQ_2F6U97ngYenR44&e=>

Chart 18645

LNM: 17/16

SAN FRANCISCO BAY-SOUTHERN APPROACH TO SAN FRANCISCO-WATERWAY ANALYSIS MANAGEMENT SYSTEM ANNOUNCEMENT

The U. S. Coast Guard is conducting a Waterways Analysis Management System (WAMS) study of the. The WAMS Survey will be active until 08 Jun 16 and can be found by using the following link: https://www.surveymonkey.com/r/ApproachestoSF.
This questionnaire seeks to obtain data on the effectiveness of the system of Aids to Navigation in the area that stretches 80nm from Point Sur to Pillar Point, directly east of the entrance to San Francisco Bay's Southern traffic Lane. This Coast Guard will use this information to ensure that the aids are serving their intended purpose. The Coast Guard also uses the concerns of waterways users to assist with other or future waterway management decisions. Any interested company or individual wishing to provide recommendations on existing or additional aids to navigation in this area are welcome to participate by submitting a user survey. To receive further information, contact Ensign Courtney Bailey at 415-399-3590 or Courtney.N.Bailey@uscg.mil.

Chart 18649

LNM: 19/16

SANTA BARBARA CHANNEL TO PORT HUENEME-WATERWAY ANALYSIS MANAGEMENT SYSTEM ANNOUNCEMENT

The U. S. Coast Guard is conducting a Waterways Analysis Management System (WAMS) study of the Santa Barbara Channel to Port Hueneme to include all local Harbors and Marinas. The WAMS Survey will be active until 08 Jun 16 and can be found by using the following link: https://www.surveymonkey.com/r/SANTABARBTOPTHUE. This questionnaire seeks to obtain data on the effectiveness of the system of Aids to Navigation in Santa Barbara Harbor, Ventura Harbor, Channel Islands Harbor, Port Hueneme Harbor, as well as other waterway safety concerns. This Coast Guard will use this information to ensure that the aids are serving their intended purpose. The Coast Guard also uses the concerns of waterways users to assist with other or future waterway management decisions. Any interested company or individual wishing to provide recommendations on existing or additional aids to navigation in this area are welcome to participate by submitting a user survey. To receive further information contact Sector LA/LB Waterways Department at 310-521-3860 or D11-DG-SectorLALB-WWM@uscg.mil.

LNM: 10/16

SANTA CRUZ CHANNEL TO SANTA BARBARA CHANNEL-WATERWAY ANALYSIS MANAGEMENT SYSTEM ANNOUNCEMENT

The U. S. Coast Guard is conducting a Waterways Analysis Management System (WAMS) study of the Santa Cruz Channel to Santa Barbara Channel. The WAMS Survey will be active until 08 Jun 16 and can be found by using the following link: https://www.surveymonkey.com/r/SANTACRUZTOSANTABARB. This questionnaire seeks to obtain data on the effectiveness of the system of Aids to Navigation in the Santa Cruz and Santa Barbara Channels, as well as other waterway safety concerns. The Coast Guard will use this information to ensure that the aids are serving their intended purpose. The Coast Guard also uses the concerns of waterways users to assist with other or future waterway management decisions. Any interested company or individual wishing to provide recommendations on existing or additional aids to navigation in this area are welcome to participate by submitting a user survey. To receive further information contact Sector LA/LB Waterways Department at 310-521-3860 or D11-DG-SectorLALB-WWM@uscg.mil.

LNM: 10/16

USCG NATION-WIDE AUTOMATIC IDENTIFICATION SYSTEM (NAIS) NETWORK TESTING

On August 10, 2015, the U.S. Coast Guard began AIS Application Specific Message (AIS-ASM) testing. The test transmissions occur between 0001-2359Z, 7 days/week. The test messages can be identified by their Maritime Mobile Service (MMSI) number: 300669139 or 00366613 and by the words “USCG TEST” within the contents of the message. Mariners are requested to contact the USCG Navigation Center at 1-703-313-5900 or TIS-PF-NISWS@uscg.mil with any questions, comments, or to report any safety and/or operational impacts caused by this testing.

Application Specific Messages to be tested include: messages 6, 8, 25, and 26, DAC=367, FI’s=22, 29, 33, 35; AIS Safety Related Text (SRM) messages: 8 (DAC=001, FI=0) and 14. The messages will be of various lengths, using repetitions of the text “USCG TEST”. For further information on AIS messages, DACs, and FI’s visit http://www.navcen.uscg.gov/?pageName=AISMessages

LNM: 31/15

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1	Dart Tsunami Warning Lighted Buoy Station 46412	OFF STA	18022	SD-0103-15	37/15	
30	Mission Bay North Jetty Light 1	MISSING	18765	SD-0005-16	05/16	
365	Mile Rocks Light	LT EXT/SS INOP	18649	0585-13	52/13	
370	**Point Bonita Light**	**LT EXT**	**18649**	**SF-0088-16**	**19/16**	
510	NOAA Environmental Lighted Buoy 46006	ADRIFT	501	0013-13	02/13	
1500	San Diego Bay Entrance Range Front Light	DAYMK DMGD	18773	SD-0062-15	24/15	
2280	Mission Bay North Jetty Light 1	MISSING	18765	SD-0005-16	05/16	
2295	**Oceanside Breakwater Light 1**	**LT EXT**	**18758**	**SD-0057-16**	**19/16**	
2470	Newport Bay Channel Light 11	STRUCT DEST/TRLB	18754	LA-0176-15	50/15	
2805	Anaheim Bay East Jetty Light 6	TRLB/STRUCT DEST	18749	LA-0108-14	35/14	
4220	**Point Bonita Light**	**LT EXT**	**18649**	**SF-0088-16**	**19/16**	
4245	Mile Rocks Light	LT EXT/SS INOP	18649	0585-13	52/13	
5180	Redwood Creek Entrance Light 2	TRLB/STRUCT DEST	18652	SF-0153-15	34/15	
5415	San Francisco Bay North Channel Lighted Bell Buoy 6	SINKING	18650		18/16	
5480	Southampton Shoal Light	REDUCED INT	18653	SF-0076-16	18/16	
5480	Southampton Shoal Light	SS INOP	18653	SF-0073-16	17/16	
6165	Napa River Light 8	MISSING/TRLB	18654	SF-0123-14	34/14	
6325	Suisun Bay North Channel Light 2	MISSING/TRLB	18657	SF-0240-15	01/16	
6557	Suisun Bay Channel Light 24A	TRLB/STRUCT DEST	18666	0389-13	35/13	
6630	New York Slough Light 7	LT EXT	18659	SF-0078-16	18/16	
6630	New York Slough Light 7	TRLB/STRUCT DMGD	18659	0468-13	42/13	
6645	New York Slough Light 11	TRLB/STRUCT DEST	18659	SF-0014-14	02/14	
6665	San Joaquin River Daybeacon 1	MISSING/TRUB	18659	SF-0017-16	04/16	
6760	San Joaquin River Light 25	STRUCT DMGD/TRLB	18660	SF-0083-15	21/15	
6855	San Joaquin River Light 46	LT EXT/DAYMK MISSING/STRUCT DMGD/TRLB	18660	SF-0236-15	51/15	
6865	San Joaquin River Light 47	TRLB/STRUCT DEST	18660	SF-0113-15	26/15	
6935	Stockton Channel Light 6	LT EXT	18660	SF-0072-16	18/16	
7165	**Stockton Channel Light 48**	**LT EXT**	**18663**	**SF-0089-16**	**19/16**	
7510	Sacramento River Deep Water Ship Channel Light 67	TRLB/DAYMK MISSING	18662	0565-13	50/13	
7885	Bodega Harbor Channel Daybeacon 22	TRUB/STRUCT DEST	18643	0669-12	01/13	
7990	Bodega Harbor Channel Daybeacon 44	MISSING/TRUB	18643	SF-0230-15	50/15	
8320	Hookton Channel Light 8	TRLB/STRUCT DEST	18622	HB-0036-14	47/14	
8415	Lake Tahoe Lighted Danger Buoy B	LT EXT	18665	SF-0232-15	51/15	

8462	**Lake Tahoe Buoy 0**	**MISSING**	**18665**	**SF-0084-16**	**19/16**

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
525	Trinidad Head Light	WATCHING PROPERLY	18605		19/16	19/16
2345	Del Mar Boat Basin Buoy 1	RESET ON STATION	18758	SD-0055-16	18/16	19/16
6905	Stockton Channel Range B Front Light	WATCHING PROPERLY	18660	SF-0082-16	18/16	19/16
7045	Stockton Channel Light 24	WATCHING PROPERLY	18663	SF-0083-16	18/16	19/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
2070	Coronado Cays Channel Daybeacon 3	STRUCT DEST	18773	SD-0009-16	03/16	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
265	Piedras Blancas Light	WATCHING PROPERLY	18700	SF-0090-16	19/16	19/16

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
296	NOAA Environmental Lighted Buoy 46044	DISCONTINUED	18680	SF-0068-15	18/15	
448	Dart Tsunami Warning Lighted Buoy Station 46411	DISCONTINUED	18010	HB-0001-15	01/15	
2289.3	Scripps Del Mar Lighted Research Buoy	DISCONTINUED	18765	NONE	17/15	
3720	Ventura Marina Channel Buoy 9	RELOCATED DUE TO SHOALING	18725	LA-0009-16	04/16	
3855	Morro Bay Channel Lighted Buoy 4	DISCONTINUED FOR DREDGING	18703	LA-0071-16	18/16	
3856	Morro Bay Channel Lighted Buoy 4A	DISCONTINUED FOR DREDGING	18703	LA-0071-16	18/16	
3860	Morro Bay Channel Lighted Buoy 5	DISCONTINUED FOR DREDGING	18703	LA-0071-16	18/16	
3860	Morro Bay Channel Lighted Buoy 5	RELOCATED DUE TO SHOALING	18703	LA-0010-16	07/16	
3865	Morro Bay Channel Lighted Buoy 6	DISCONTINUED FOR DREDGING	18703	LA-0071-16	18/16	
3875	Morro Bay Channel Lighted Buoy 8	DISCONTINUED FOR DREDGING	18703	LA-0071-16	18/16	
3880	Morro Bay Channel Buoy 10	DISCONTINUED FOR DREDGING	18703	LA-0071-16	18/16	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only.
It is up to the mariner to decide which chart(s) are to be corrected. The following example explains individual elements of a typical chart correction.

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97

Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER

Corrective Action	Object of Corrective Action		
	Main Panel 2245 NEW YORK HARBOR	CGD01	
(Temp) ADD	NATIONAL DOCK CHANNEL BUOY 3	at 40-41-09.001N	074-02-48.001W
	Green can		

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true.
Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

18652 **36th Ed.** **01-FEB-11** **Last LNM: 32/14** **NAD 83** **19/16**

ChartTitle: **San Francisco Bay to Antioch**

Extension 1834 SAN FRANCISCO BAY TO ANTIOCH CARQUINEZ STRAIT. Page/Side: a

ADD	Obstruction in Feet; 19 Obstn	Chart No. 1: K41 (NOS NW-25668)	NOS 38-04-23.600N	122-05-21.100W
ADD	Wreck in Feet; 13 Wk	Chart No. 1: K26 (NOS NW-25668)	NOS 38-03-47.400N	122-06-24.300W

Main Panel 1843 SAN FRANCISCO BAY TO ANTIOCH SUISUN BAY. Page/Side: a

ADD	Obstruction in Feet; 19 Obstn	Chart No. 1: K41 (NOS NW-25668)	NOS 38-04-23.600N	122-05-21.100W
ADD	Obstruction in Feet; 6 Obstn	Chart No. 1: K41 (NOS NW-25668)	NOS 38-04-35.400N	122-05-02.900W

18656 **56th Ed.** **01-AUG-10** **Last LNM: 21/12** **NAD 83** **19/16**

ChartTitle: **Suisun Bay**

Main Panel 1849 SUISUN BAY. Page/Side: N/A

ADD	Obstruction in Feet; 19 Obstn	Chart No. 1: K41 (NOS NW-25668)	NOS 38-04-23.600N	122-05-21.100W
ADD	Obstruction in Feet; 6 Obstn	Chart No. 1: K41 (NOS NW-25668)	NOS 38-04-35.400N	122-05-02.900W
ADD	Wreck in Feet; 13 Wk	Chart No. 1: K26 (NOS NW-25668)	NOS 38-03-47.400N	122-06-24.300W

18657 **19th Ed.** **01-NOV-05** **Last LNM: 21/12** **NAD 83** **19/16**

ChartTitle: **Carquinez Strait**

Main Panel 1850 CARQUINEZ STRAIT. Page/Side: N/A

NOS

ADD	Obstruction in Feet; 19 Obstn	Chart No. 1: K41 (NOS NW-25668)	38-04-23.600N		122-05-21.100W
ADD	Obstruction in Feet; 6 Obstn	Chart No. 1: K41 (NOS NW-25668)	38-04-35.400N	NOS	122-05-02.900W
ADD	Wreck in Feet; 13 Wk	Chart No. 1: K26 (NOS NW-25668)	38-03-47.400N	NOS	122-06-24.300W

18658 **31st Ed.** **01-SEP-07** **Last LNM: 21/12** **NAD 83** **19/16**

ChartTitle: **SUISUN BAY-Roe Island and vicinity**

Main Panel 1851 SUISUN BAY ROE ISLAND AND VICINITY. Page/Side: N/A

ADD	Obstruction in Feet; 19 Obstn	Chart No. 1: K41 (NOS NW-25668)	38-04-23.600N	NOS	122-05-21.100W
ADD	Obstruction in Feet; 6 Obstn	Chart No. 1: K41 (NOS NW-25668)	38-04-35.400N	NOS	122-05-02.900W

SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s) **Project Date** **Ref. LNM**

None

Advance Notice(s)

LA/LB-LED CONVERSION

The U.S. Coast Guard is planning to permanently change Point Vicente Light (LLNR 170) to an LED with a 14nm range. Advanced notice of implementation will be provided once scheduled. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18020 18022 18740 18746 LNM: 34/15

SACRAMENTO RIVER-ATON DISCONTINUANCE

The U.S. Coast Guard is planning to discontinue Sacramento River Deep Water Ship Channel Light 67 (LLNR 7510). Advanced notice of implementation will be provided once scheduled. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Chart 18662 LNM: 33/14

SAN FRANCISCO BAY-CARQUINEZ STRAIGHT-ATON DISCONTINUANCE

The U.S. Coast Guard is planning to discontinue Carquinez Light 22 (LLNR 6235). Advanced notice of implementation will be provided once scheduled. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18652 18656 18657 LNM: 09/15

SAN JOAQUIN RIVER-AID ESTABLISHMENT

The U.S. Coast Guard is planning to permanently establish a lighted buoy on the east side of San Joaquin River across from San Joaquin River Light 56 (LLNR 6890). This aid will be established at approximate position: 38-04-07.54N 121-33-31.76W. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18660 18661 LNM: 16/15

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s) **Closing** **Docket No.** **Ref. LNM**

None

Proposed Change Notice(s)

SAN FRANCISCO BAY-MAIN SHIP CHANNEL- AIS AND FLASH CHARACTERISTIC CHANGE

The U.S. Coast Guard is proposing to establish physical AIS transmitters on San Francisco Ship Channel Lighted Bell Buoy 1 (LLNR 4160) and San Francisco Ship Channel Lighted Whistle Buoy 2 (LLNR 4165). Vessels with AIS capable systems will be able to see the symbology and other information on their displays. For more information about AIS, mariners can go to the U.S. Coast Guard Navigation Center website page at http://www.navcen.uscg.gov/?pageName=AISmain.

In addition, the U.S. Coast Guard is proposing to change San Francisco Ship Channel Lighted Bell Buoy 1 (LLNR 4160) and San Francisco Ship Channel Lighted Whistle Buoy 2 (LLNR 4165) to a quick flash (Q) light characteristic.

Direct any questions, comments, or feedback no later than 27 May 16 to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18645 18649 LNM: 17/16

SECTION VII - GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

ALAMITOS BAY-MARINE CONSTRUCTION

Manson Construction Co. will conduct the rehabilitation of Alamitos Bay Marina Basin 3 from 0730-1700 Mon-Fri until 20 May 16. A high visibility turbidity curtain surrounding the construction boundary will be in place along with derrick barge anchors which will be marked with 4ft diameter white crown cans that are lighted at night with continuous white lights. All participating vessels and equipment will monitor VHF-FM Chan. 13, 16, and 67. Mariners are requested to transit the area with caution after making passing arrrangements, and minimize wake in the vicinity of the construction site. For more details or comments contact Project Manager Eric Faria at 562-762-5396.

Chart 18751 LNM: 15/16

ANAHEIM BAY-BRIDGE

Trinidad Lane Bridge-The west side center green light and the northwest and southeast red pier lights are extinguished. Estimated time of repair is unknown.

Charts: 18746 18749 LNM: 10/16

CALIFORNIA COAST-WHALES

NOAA is asking for the public's help in tracking whales. If you see whales, record the date and location, number of whales, species (if known) and a description of the animals. Please email the information to whales@noaa.gov.

Please report collisions with whales, any observed injured whales, or dead whales to NOAA at 877-SOS-WHALe (877-767-9425) or to the U.S. Coast Guard on VHF-FM Chan. 16.

Whales are federally protected under the Endangered Species Act (16 U.S.C. 1538 et seq.), the Marine Mammal Protection Act (16 U.S.C. 1361 et seq.), and the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.).

Charts: 18007 18022 LNM: 49/14

DELTA & RIVERS-DISCOVERY BAY-WERNER DREDGER CUT-BRIDGE

ORWOOD RD BRIDGE REPLACEMENT- A temporary orange boom has been placed on the south side of the existing bridge to the north side of the EBMUD pipeline bridge. The piers of the pipeline bridge and the piers of the existing Orwood Rd Bridge will be lighted at night with fixed red lights (see Orwood_Lighting_Diagram.pdf in enclosure section). A 17ft wide navigation channel has been established on the eastern portion of the project site for the transit of vessels. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18661 LNM: 25/15

DELTA & RIVERS-MINER SLOUGH-BRIDGE

HWY 84 DRAWBRIDGE-The drawspan will be secured in the closed-to-navigation position from 1100-1400 on 22 May 16 to allow participants in the AMGEN Tour of California to cross safely without interruption. In the event of an emergency, the drawspan can be operated normally. The bridge provides 17ft vertical clearance above Mean High Water when closed. Vessels that can transit the bridge while in the closed position may continue to do so at any time. For more details or comments contact the Coast Guard Project Manager at 510-437-3461.

Chart 18622 LNM: 19/16

DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

TOWER DRAWBRIDGE-The drawspan will be secured in the closed-to-navigation position from 1030-1500 on 22 May 16 to allow participants in the AMGEN Tour of California to cross safely without interruption. In the event of an emergency, the drawspan can be operated normally. The bridge provides 30ft vertical clearance above Mean High Water when closed. Vessels that can transit the bridge while in the closed position may continue to do so at any time. For more details or comments contact the Coast Guard Project Manager at 510-437-3461.

Chart 18662 LNM: 19/16

DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

TOWER DRAWBRIDGE-The drawspan will be secured in the closed-to-navigation position from 0730-1100 on 15 May 16 to allow community participation in the Capital City Classic run event. In the event of an emergency, the drawspan can be operated normally. The bridge provides 30ft vertical clearance above Mean High Water when closed. Vessels that can transit the bridge while in the closed position may continue to do so at any time. For more details or comments contact the Coast Guard Project Manager at 510-437-3461.

Chart 18662 LNM: 18/16

DELTA & RIVERS-SACRAMENTO-FISH TRAPPING OPERATIONS

Pacific States Marine Fisheries Commission employees will be deploying fish traps from the west levee of the Sacramento River along South River

DELTA & RIVERS-SACRAMENTO-FISH TRAPPING OPERATIONS

Road into the Sacramento River until 31 May 16. Seven traps will be deployed between the upstream confluence of the Deep Water Channel and the Sacramento River, West Sacramento, CA, and the Freeport Bridge, Freeport, CA. Traps are fished within 45ft of the water/levee interface and so are not in the main navigation area of the river channel. The trap sites will be marked with two can buoys labeled danger and marked with reflective tape within 100ft of the trap location. The traps will be marked with a pair of crab trap buoys anchored to the trap itself to help mariners identify and avoid the specific trap location. CDFW Research vessels 22ft North River skiff and a 23ft Sea Ark skiff will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For further comments or details contact Brian Poxon at 916-372-1600 or Jonathan Nelson at 916-445-4506 or 916-708-2333.

Chart 18661 LNM: 44/15

ESTERO BAY-POINT BUCHON-SEISMOMETER OPERATIONS

Pacific Gas and Electric will be retrieving and redeploying four temporary Ocean Bottom Seismometers on the seafloor off of Point Buchon during daylight hours from 16-25 May 16. A ROV will also be deployed to determine existing seafloor conditions at the temporary OBS deployment locations. M/V SURVEYOR will have limited maneuverability while conducting the installations and ROV inspections and will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Kris Vardas at 805-595-6456.

Chart 18700 LNM: 19/16

HUMBOLDT BAY-DREDGING

The Corps of Engineers will be conducting dredging operations at Humboldt Bay and Harbor from 20 May 16 through Jul 16. Disposal will be at the designated offshore Humboldt Open Ocean Disposal Site (HOODS). Dredge BAYPORT will be dredging from 20 May 16 through 14 Jun 16 and dredge ESSAYON will continue from 30 Jun 16 through 01 Jul 16. Mariners are requested to transit the area with caution. Dredge Hopper BAYPORT and dredge ESSAYON will be monitoring VHF-FM Chan. 16. For more details or comments contact the ESSAYON Master at 503-804-5546 or via cell at 503-709-8459.

Chart 18622 LNM: 17/16

HUMBOLDT BAY-HOOKTON CHANNEL-SUNKEN VESSEL

A sunken 96.6ft sailing vessel has sunk in the vicinity of Hookton channel at 40-43-54N 124-13-09W. The vessel's mast is out of the water at low tide and is marked by a quick flashing green light. Mariners are requested to transit the area with caution.

Chart 18622 LNM: 09/16

HUMBOLDT BAY-SHOALING

Due to shoaling at the South Jetty Tip of Humboldt Bay Bar, swells in excess of 8ft may have an adverse affect in the main shipping channel. Mariners are requested to transit the area with caution and contact U. S. Coast Guard Sector Humboldt Bay on VHF-FM Chan. 16 for assistance. For more details or comments contact U.S. Coast Guard Sector Humboldt Bay at 707-839-6113.

Chart 18622 LNM: 08/16

LONG BEACH-ANAHEIM BAY-DREDGING

Curtin Maritime Corp will conduct dredging operations in Anaheim Bay within Huntington Harbour and Seal Beach until 01 Jun 16. Dredging will take place Mon-Sat 12 hours per day. Dredged material will be transported to one of three disposal locations; LA-2 off shore disposal, Sunset Beach Near Shore, or pumped upland onto the Seal Beach National Wildlife Refuge (SBNWR). Material pumped upland onto the SBNWR will utilize a suction dredge with pipe floating outside of the navigational channel to the east side at approximately 33-43-43N 118-04-49W. A temporary mooring will be in use for the moorage of tugs and scows at 33-43-45N 118-05-48W. All dredging operations will be enclosed with turbidity curtains attached to orange Norwegian buoys to aid mariners in visibly identifying the turbidity controls. Clamshell dredge DB 185-3, cutter head dredge CUTTER 1; scows LONG PT and ARROW PT; along with tugs BERNARDINE C, TAURUS, and BOB will monitor VHF-FM Chan. 13, 14, and 01. Mariners are requested to transit the area with caution, minimize wake, and make arrangements with dredge vessels prior to passing. For more details or comments contact Sam Bice at 206-550-3916 or Steve Chew at 562-666-6971.

Chart 18749 LNM: 51/15

LONG BEACH-ANAHEIM BAY-TEMPORARY BUOY

The U.S. Coast Guard has established a temporary lighted buoy at 33-43-33.809N 118-06-02.318W to mark the end of the damaged Anaheim Bay East Jetty. The buoy displays a Fl Red 2.5s characteristic. It will be discontinued when Anaheim Bay East Jetty Light 6 (LLNR 2805) is reestablished. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Chart 18749 LNM: 48/14

LONG BEACH-MARINE CONSTRUCTION

Connolly-Pacific Co. will conduct repairs to the Middle / Long Beach federal breakwater Mon-Fri during daylight hours until December 2016. Derrick barge LONG BEACH will place armor stone on damaged section of the Middle and Long Beach Breakwater and will use anchors to position itself along the breakwater to keep from the main channel. Tug DURANGO and derrick barge LONG BEACH will be on site monitoring VHF FM Chan. 13, 16, 73, 78, 79, and 79A. Mariners are requested to transit the area with caution. For more details or comments contact Ron Allard at 562-577-0814 or Luis Camacho at 562-577-0718.

Chart 18751 LNM: 45/15

LONG BEACH-MARINE CONSTRUCTION

Connoly-Pacific Co. will be building a containment dike in East Basin, Long Beach at 33-45-19.130N 118-12-40.136W from 0700-0330 Mon-Fri until August 2017. The derrick barge LOS ANGELES is aware of active terminal at Berth F and will stay clear of vessel traffic. Tug DURANGO and derrick barge LOS ANGELES will be on site monitoring VHF FM Chan. 13, 16, 78, 79A. Mariners are requested to transit the area with caution. For more details or comments contact Ron Allard at 562-577-0814 or Luis Camacho at 562-577-0718.

LONG BEACH-MARINE CONSTRUCTION

Chart 18751 LNM: 11/16

LONG BEACH-MIDDLE HARBOR-MARINE CONSTRUCTION

Manson Construction Company is conducting continuous filling operations until September 2017, in vicinity of Long Beach Middle Harbor within the following coordinates:

33-45-02N 118-13- 59W
33-45-21N 118-12-36W
33-46-04N 118-13-19W

Tugs ELMER, MJEFFREY M along with Derrick barges VALHALLA, VULCAN, NJORD, and H.R. MORRIS will monitor VHF-FM Chan. 13, 16, and 71. Mariners are requested to transit the area with caution. For more details or comments contact Dylan Porter at (562) 283-7100 dylan.porter@polb.com

Charts: 18749 18751 LNM: 12/16

LONG BEACH-SAN PEDRO CHANNEL-AQUACULTURE INSTALLATION

Catalina Sea Ranch, LLC will be installing an aquaculture facility site near San Pedro Shipping Lanes until 13 May 16. The aquaculture facility is in an area bound by the following coordinates:

33-36-49N, 118-06-28W
33-36-49N, 118-06-03W
33-36-28N, 118-06-03W
33-36-28N, 118-06-28W

The aquaculture facility is for planting, growing, and harvesting mussels. F/V CAPTAIN JACK will be on scene monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Phil Cruver at 562-44-7410.

Chart 18746 LNM: 14/16

LOS ANGELES-SEAL BEACH-MARINE CONSTRUCTION

Connolly-Pacific Co. will conduct repairs to Seal Beach Jetty breakwater 0600-1730, Mon-Fri until August 2016. Derrick barge LONG BEACH will be mobilized and used to place armor stone on damaged head section of the East Jetty. The derrick barge will use anchor itself inside the Jetty and keep the anchors away from the channel. Tug DURANGO and derrick barge LONG BEACH will be on site monitoring VHF FM Chan. 13, 16, 79, 79A. Mariners are requested to transit the area with caution. For more details or comments contact Ron Allard at 562-577-0814 or Luis Camacho at 562-577-0718.

Chart 18749 LNM: 16/16

LOWER COLORADO RIVER-LAUGHLIN-MARINE EVENT

Avi Resort and Casino will sponsor a fireworks show between 2000 to 2145 on 29 May 16 with a safety zone including all navigable waters of the lower Colorado River encompassed by the following coordinates:

35-01-05N 114-38-20W
35-01-05N 114-38-15W
along the shoreline to 35-00-50N 114-38-13W
35-00-49N 114-38-18W
along the shoreline to 35-01-05N 114-38-20W

Mariners are requested to use caution when transiting this area. For more details or comments contact Suzanne LePage at 702-535-5595.

LNM: 19/16

MALIBU-OBSTRUCTION TO NAVIGATION

There has been a report of a mooring buoy sinking off of Malibu pier in the vicinity of 34-02-02N 118-40-21W. Mariners are requested to transit the area with caution and report any relevant observations regarding this buoy to the U.S Coast Guard on Chan. 16.

Chart 18744 LNM: 04/16

MARINA DEL REY–MARINE CONSTRUCTION

Bellingham Marine Industries will be conducting marine construction activities within Basin G, Parcel 47 and 44, and Parcel 55 until 01 Jun 16. Project work will consist of pile driving and floating dock installation. Dock sections and piles will be transported to Basin G from the Marina Del Rey Boat Launch Facility. A John S. Meek barge will be on scene monitoring VHF-FM Chan 16. Mariners are requested to transit the area with caution. For more details or comments contact Mark Secrest at 360-904-0535.

Chart 18748 LNM: 32/15

MONTEREY BAY-MOSS LANDING-ROV OPERATIONS

The Monterey Bay Aquarium Research Institute (MBARI) will conduct continuous, unmanned maritime vehicle data collection operations off of Moss Landing between 36-41.27N 122-58-35W and 35-07-13N 122-58-35W until 27 May 16. The Wave Glider is designed to conduct scientific data collection operations. It carries no fuel, lubricants, or hydrocarbons. It is wave powered, remotely attended from our Wave Glider Operations Center (WGOC), moves at speeds of around 1kt, and designed to give way or part if encountered by a vessel. The vehicle is approximately 6.5ft x 2ft (surfboard size), yellow in color, with a contact plaque and mast extending 1 meter above the water surface supporting a flag. Mariners are requested to transit the area with caution. For more details or comments contact MBARI at 831-775-1700 wavglider@listserver.mbari.org or Liquid Robotics 24/7 WGOC Operations Center at 888-574-4574 / 408-636-4205.

Chart 18685 LNM: 09/16

NAPA RIVER-BRIDGE-DIVE OPERATIONS

NAPA RIVER-BRIDGE-DIVE OPERATIONS

Caltrans will be conducting dive operations on various piers of the following bridge:

Highway 37 Bridge, mile 3.5, over the Napa River from 0900-1500 09-13 May 2016.

The dive vessel is a 10ftx33ft aluminum landing craft. Diver's umbilical hose may be floating on the surface adjacent to the vessel. Mariners are requested to contact the vessel, OFFICIAL BUSINESS on VHF-FM Chan. 14 and 16 or via cell at 916-712-4088 approximately 30 minutes before transiting the bridge dive sites. Mariners are requested to transit the area with caution. For further information, mariners can contact the Coast Guard Bridge Office at 510 437-3515.

Chart 18654 LNM: 16/16

NEWPORT BAY-GRAND CANAL-BRIDGE

PARK AVE BRIDGE REPLACEMENT–The City of Newport Beach's contractor, John S. Meek Company Inc., will be replacing the Park Ave Bridge over Grand Canal until 31 Jan 17. A temporary bridge will be constructed to facilitate construction of the replacement bridge. The Captain of the Port Los Angeles-Long Beach has established a temporary safety zone in support of navigation safety during construction (see SafetyZoneGrandCanal in the enclosure section). Persons and vessels are prohibited from entering into, departing from, transiting through, or anchoring within the designated area unless authorized by the Captain of the Port Los Angeles-Long Beach or her designated representatives. For conditions at the construction site mariners can contact the John S. Meeks Co at 310-505-7515; 310-482-7367; 310-505-3906; or the City of Newport Beach at 949-644-3321. For further information mariners can contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18754 LNM: 13/16

PETALUMA RIVER-BRIDGE

U.S. 101 BRIDGE REPLACEMENT PROJECT- Construction of the replacement bridge continues Mon-Fri during daylight hours, and should be completed by Jun 2016. The southeast and northwest cofferdams protrude upstream and downstream into the channel, the corners are lighted at night with fixed red lights (see enclosure Cofferdam Lighting_US101_Petaluma.pdf at the end of this notice). Heavy equipment tires are attached to the cofferdams to act as fendering. For more details or comments please contact the Coast Guard Project Manager at 510-437-3515.

Chart 18654 LNM: 26/13

PETALUMA RIVER-BRIDGE

HAYSTACK LANDING RAILROAD BRIDGE REPLACEMENT PROJECT-Construction of the replacement bridge is complete. The bridge provides the following navigational clearances.

Horizontal: 87 ft fender to fender.
Vertical in the Closed Position: 3.6 ft above mean high water.
Vertical In the Open Position: Unlimited.

Mariners can contact the bridge tender on VHF-FM Ch 16 and 9 or via phone at (707) 890-8650, for openings.

For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18654 LNM: 17/16

PETALUMA RIVER-SHOALING

Shoaling has been reported at the Haystack Landing Railroad Bridge in Petaluma. The shoaling extends from the bridge pier on the north bank of the river, 80ft downstream and 140ft upstream from the bridge. The shoaling extends approximately 25ft into the channel. Mariners are requested to transit the area with caution. For more details or comments contact the District Bridge Administrator at 510-437-3516.

Chart 18654 LNM: 51/15

PORTS OF LOS ANGELES/LONG BEACH-CERRITOS CHANNEL-BRIDGE

REPLACEMENT SCHUYLER HEIM BRIDGE CONSTRUCTION - The main span of the being-demolished bridge has been removed and falsework removed from the channel. Two temporary eastern trestles remain in place at the replacement bridge site. The main navigation span of the bridge, between the temporary trestles, provides 48.5ft of vertical clearance from the edge of the trestles to the lowest hittable part of the bridge and 75ft of horizontal clearance. The temporary trestles are lighted at night with fixed red lights (See Trestle_Lighting_Heim.pdf at the end of this notice). Portions of the eastern fenders on the existing bridge have been removed. The western portions of the fenders remain in place. Construction activities are taking place from 0700 to 1530, Mon-Fri until May 2017. For conditions at the bridge mariners can contact Caltrans at 213-792-5518, MCM Construction at 714-305-2725, or MCM Construction at 714-330-5370. Mariners are requested to transit the area with caution.

Chart 18749 LNM: 10/15

REDONDO BEACH-KING HARBOR-UNMANNED RESEARCH VEHICLE OPERATIONS

The unmanned research vehicle, LORIS, will be conducting unmanned maritime vehicle operations in vicinity of King Harbor and within 5nm of 33-50-24N 118-23-38W and 33-23-48N 119-13-48W until 31 May 16. The vehicle is 9 ft long, solar powered, and lightly constructed. It contains no fuel, lubricants, or hydrocarbons. It travels at about 2 kts and is designed to give way if contacted by a vessel. The vehicle supports an orange flag on a one meter mast. Mariners are requested to transit the area with caution. For more information contact Jon Lieb at 310-308-8537 or jklieb@att.net.

Chart 18744 LNM: 17/16

SAN CLEMENTE ISLAND-ROV OPERATIONS

Liquid Robotics, Inc. is conducting continuous autonomous, unmanned maritime vehicle operations within 10nm of 32-56-39N 118-21-16W until 16

SAN CLEMENTE ISLAND-ROV OPERATIONS

May 16. Operations consist of scientific ocean data collection. Wave Glider carries no fuel, lubricants, or hydrocarbons, is wave powered, remotely attended from our Wave Glider Operations Center (WGOC), moves at speeds of typically 1kt, and designed to give way or part if encountered by a vessel. It is surfboard size, black in color, with a contact plaque and mast extending 1 meter above the surface supporting a flag. Mariners are urged to transit the area with caution. For up-to-date information, mariners can contact Liquid Robotics Operations Center at 408-636-4205 or via email at support@liquidr.com.

Charts: 18740 18762 LNM: 10/16

SAN CLEMENTE ISLAND-SAFETY ZONES

Mariners operating in the vicinity of San Clemente Island are reminded of the restricted waterway access surrounding San Clemente Island (33 CFR 165.1131; 33CFR 165.1141). Since the inception of the regulations, numerous safety zone violations have been processed by Coast Guard Sector San Diego. Safety Zone Incursions put the public at risk and cause costly and unnecessary training delays, as well as range cancellations. Violators of the San Clemente Island Safety and Security Zones are subject to monetary penalties. Criminal penalties may also be issued for repeated Safety and/or Security Zone violations. Failure to comply with the federal regulations could result in civil penalties of up to $40,000.00. Furthermore, if a mariner holds a Merchant MarinerCredential, suspension or revocation action may be pursued against the mariner's credential. For more details see MSSB 04-15 SCI Safety Zone.pdf in the enclosure section.

Chart 18762 LNM: 39/15

SAN DIEGO BAY-BRIDGE

CORONADO BRIDGE- Scaffolding installed at spans 13-14 and 15-16, west of the west main navigational channel, has reduced the vertical clearance by not more than 8ft and is lighted at night with red lights. Caltrans will be conducting surveys at piers 2 through 23, utilizing a 24ft workboat from 0700-1600 until 13 May 16. Caltrans survey vessel will be monitoring VHF-FM Chan. 16. For more details or comments contact the Coast Guard Project Manager at 510-437-3461.

Chart 18773 LNM: 21/14

SAN DIEGO BAY-MARINE CONSTRUCTION

R.E. Staite Engineering Inc. will conduct marine construction operations in the vicinity of North Embarcadero, San Diego at 32-42-53N 117-10-25W until 31 May 16. The work will consist of removal and replacement of damaged concrete cap, sheet piles and whaler. Crane barge RES 150 will be on site monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution and minimize wake in vicinity of the construction site. For more details or comments contact Project Manager Ross McDonald at 619-233-0178.

Chart 18773 LNM: 19/16

SAN DIEGO BAY-PIER 1-MARINE CONSTRUCTION

Manson Construction Co. will conduct marine construction and dredging in vicinity of San Diego Pier 1 at 32-41-30N 117-08-44W until 15 Nov 16. The disposal site will be at LA-5 Disposal site. Derrick barge VALHALLA, VALKYRIE; along with tug JEFFREY M and scow Rockport, Freeport, and Gulfport will be on site monitoring VHF-FM Chan. 13 and 65. Mariners are requested to transit the area with caution and minimize wake in the vicinity of the dredge site. For more details or comments contact Project Manager Eric Faria at 562-762-5396.

Chart 18751 LNM: 07/16

SAN DIEGO TO MONTEREY-FORT IRWIN-GPS TESTING

GPS testing will be conducted at the Fort Irwin, CA site with an approximate center point of 35-22-52N 116-33-26W and possible impact radius of 166nm from center point for the following dates and time:

16 MAY 16: 2300Z-2359Z

17 MAY 16: 0000Z-0500Z

Mariners transiting this area may experience a disruption in their GPS signal. Systems that rely on GPS, such as E-911, AIS and DSC, may be unreliable during the test periods. More information is available on the Coast Guard Navigation Center website WWW.NAVCEN.USCG.GOV. GPS users are encouraged to report any GPS service outages to the Navigation Information service (NIS) at 703-313-5900, or by using the NAVCEN website to submit a GPS problem report. For more details or comments contact the Navigation Information Service (NIS) watch stander at 703-313-5900.

Chart 18022 LNM: 17/16

SAN DIEGO TO MONTEREY-GPS TESTING

GPS testing will be conducted at the China Lake, CA site with an approximate center point of 36-08-21N 117-38-46W and possible impact radius of 253nm from center point from 1630Z-2230Z on 24 May 16 and 26 May 16. Mariners transiting this area may experience a disruption in their GPS signal. Systems that rely on GPS, such as E-911, AIS and DSC, may be unreliable during the test periods. More information is available on the Coast Guard Navigation Center website WWW.NAVCEN.USCG.GOV. GPS users are encouraged to report any GPS service outages to the Navigation Information service (NIS) at 703-313-5900, or by using the NAVCEN website to submit a GPS problem report. For more details or comments contact the Navigation Information Service (NIS) watch stander at 703-313-5900.

Chart 18022 LNM: 19/16

SAN DIEGO – DANA POINT HARBOR – DREDGING

CJW Construction, Inc. will conduct dredging operations in Dana Point Harbor, main channel and in the vicinity of the sailing events center dock breakwater in position 33-27-22N 117-41-39W until 20 Jun 16. Dredge operations will monitor VHF-FM 78 during operations. Mariners are requested to transit the area with caution, minimize wake, and make arrangements with dredge vessels prior to passing. For more details or comments contact Project Manager – Mike Munyon at 714-719-2944.

Chart 18746 LNM: 04/16

SAN DIEGO-CORONADO ISLAND-DREDGING

Dutra Construction Company will be conducting dredging operations around piers of the Naval Amphibious Base Coronado Island at 32-40-45N 117-09-20W for 12 hours a day until 31 May 16. The operations will be at night and a 360ft exclusion zone will enforced around the dredge barge. Dredged material will be disposed of at offshore LA5 disposal site. Tug TERRI L and a scow will be on site monitoring VHF-FM Chan. 16 and 82. Mariners are requested to transit the area with caution and maintain a safe distance of 100ft from the dredge barge. For more details or comments contact Andrew Hunt at 415-847-6640.

Chart 18773 LNM: 11/16

SAN DIEGO-DEL MAR-LOS PEÑASQUITOS LAGOON-BRIDGE

NORTH COUNTY TRANSIT DISTRICT RAILROAD BRIDGE- Work has begun to replace the existing railroad bridge. A temporary bridge has been erected alongside the existing bridge to facilitate construction of the replacement bridge. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18765 LNM: 31/15

SAN DIEGO-HAZARDOUS OPERATIONS

The U.S. Navy will conduct continuous hazardous operations daily until 31 May 16, in an area bound by the following coordinates:

32-33N 118-25W
32-35N 118-16W
32-35N 117-40W
31-55N 117-40W
31-55N 118-25W
32-33N 118-25W

Mariners are requested to transit the area with caution. For more details or comments contact FACSFAC schedules at 619-545-1757.

Charts: 18740 18762 LNM: 19/16

SAN DIEGO-LA JOLLA-RESEARCH BUOY ARRAY

Scripps Institution of Oceanography has deployed an array of research buoys off of Point La Jolla. There are six white spheres and six green cylinders, all submerged to depths varying from 18 inches to 16ft. The array is located within an area marked by yellow, radar reflective surface buoys lighted with a Fl Y 4s characteristic. The surface buoys are located at the following positions:

32-52-54.08N 117-16-09.61W
32-52-52.06N 117-16-14.85W
32-52-39.50N 117-16-20.48W
32-52-28.20N 117-16-08.06W
32-52-30.37N 117-16.02.32W
32-52-43.63N 117-16-01.82W

The buoys will remain on scene until further notice. Mariners are requested to remain clear of the array and transit the nearby area with caution. For more details or comments contact Lisa Hazard at 858-822-2873.

Chart 18740 LNM: 06/15

SAN DIEGO-MARINE CONSTRUCTION

Unified Port of San Diego will be conducting marine construction at National City Marine Terminal Berth 24-10, National City at 32-38-55N 117-06-58W until 27 Jun 17. The operation consists of maintenance, replacement, and repairs to piles, deck, electrical, berthing and mooring for berth 24-10. Tugs HARBOR COMMANDER and barge CONSTRUCTOR will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Dave McCargar at 619-409-6966 ext: 304.

Chart 18773 LNM: 18/16

SAN DIEGO-MARINE CONSTRUCTION

Reyes Construction Inc. will be conducting marine construction to USS Midway South Side Fender System, San Diego at 32-42-51W 117-10-34W until 13 May 16. The construction consists of removal of 500LF of the existing timber fender system on the south side of the Navy pier and routine maintenance of Port of San Diego piers. Mariners are requested to transit the area with caution. For more details or comments contact Natalie Ven at 909-992-8602.

Chart 18773 LNM: 16/16

SAN DIEGO-MARINE CONSTRUCTION

Nova-Shimmick JV will be conducting pile driving operations & marine construction in San Diego Bay until 15 May 16 in the vicinity of the Naval Fuel Pier located at 32-42-04N, 117-14-08W. Crane barge BMC-32, support barge SEAHORSE, tug Linda M, and survey vessel TONY N will be on site monitoring VHF 16 & 66. Mariners are advised to use caution when transiting the area. For further comments or details contact Craig Haverstick at 619-571-4178.

Chart 18773 LNM: 02/16

SAN DIEGO-MISSION BAY-MARINE EVENT

The Crystal Pier Outrigger Race will occur on 14 May 16 in Mission Bay. This outrigger canoe racing event will begin at 0800 and go to 1500 with four separate races. The majority of the racing will be within Fiesta Bay in the vicinity of Crown Point Beach. Racing will also include two races that proceed through the Mission Bay Channel offshore, racing to Crystal Pier to the north and returning to Crown Point. Mariners are requested to use caution when transiting these areas during racing events. For more details or comments contact Ms. Suzanne Serafin at 619-851-5097.

Chart 18773 LNM: 18/16

SAN DIEGO-OCEANOGRAPHIC OPERATIONS

Research Vessel MERLIN will be deploying a oceanographic buoy at 32-54N 127-18W from 0800-1400 on 17 May 16. M/V MERLIN will be restricted in ability to maneuver during the operations and will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution and maintain a safe distance of 0.5nm. For more details or comments contact Walter Crampton at 619-540-9257.

Chart 18765 LNM: 19/16

SAN DIEGO-PIER 1-MARINE CONSTRUCTION

Manson Construction Co. will conduct marine construction and dredging at BAE Systems San Diego Pier 1 North Dry Dock and South Bay Mitigation Site until 15 Oct 16. Derrick barge VALHALLA, VALKYRIE; along with tug JEFFREY M; scows ROCKPORT, EASTPORT, GULFPORT and survey vessel BAYOU BENGAL will be on site monitoring VHF-FM Chan. 13, 16, and 65. Mariners are requested to transit the area with caution and minimize wake in the vicinity of the dredge site. For more details or comments contact Project Manager Brad Hunter at 562-762-5241.

Chart 18773 LNM: 12/16

SAN DIEGO-SCIENTIFIC RESEARCH OPERATIONS

Scientists from The University of Kansas, American Museum of Natural History, Saint Cloud State University, and the University of Michigan will be making research collections using otter bottom trawls and Issacs- Kidd midwater trawls off the coast of Point Loma and the San Diego Trough from 17-21 May 16 encompassing in the following coordinates:

32-39-42N 117-19-42W
32-44-24N 117-20-54W
32-41-06N 117-21-48W
32-43-00N 117-21-00W
32-42-48N 117-24-00W
32-36-00N 117-30-30W

The M/V ROBERT GORDON SPROUL will be the vessel performing the collections and monitoring VHF-FM Chan. 13 and 16. Mariners are advised to use caution when transiting the area. For more details or comments contact Leo Smith at 917-536-0968.

Chart 18765 LNM: 19/16

SAN DIEGO-SHELTER ISLAND-MARINE CONSTRUCTION

The Kona Kai Resort & Spa is conducting marine construction until 16 Jun 16 to replace a failing seawall in the vicinity of the Kona Kai Marina along the northern shore of the southwestern portion of Shelter Island at 32-42-34N 117-13-56W. All work is to be conducted from land and no vessels will be on scene monitoring construction activities. Mariners are advised to use caution when transiting the area. For more details or comments contact Ron Withall at 760-586-5413 or ron.withall@gmail.com.

Chart 18773 LNM: 17/16

SAN DIEGO-UNMANNED SURFACE VEHICLE OPERATIONS

The US Navy will be conducting unmanned surface vehicle (USV) operations approximately 10nm northwest of Point Loma within 3nm of 32-43-24N 117-26-00W from 23-31 May 16. Operations will be conducted from a Navy RHIB. The three USVs are 10ft long and 3ft wide with only a few inches of freeboard. All have 3ft masts with orange flag and fixed all around white light. During these operations the RHIB and USVs will be restricted in their ability to maneuver. The RHIB will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution and maintain a safe distance of 1000yds from the RHIB and USVs. For more details or comments contact Jason Richter at 619-524-9850 or Anna Nguyen at 619-553-7611.

Chart 18765 LNM: 19/16

SAN FRANCISCO BAY-BRIDGE

SAN MATEO-HAYWARD BRIDGE - Caltrans' contractor, Liberty Maintenance, will be conducting maintenance during daylight hours, Monday through Saturday. A work platform will be installed below low steel of the bridge deck from piers 2 to 18 and from piers 21 to 38, reducing vertical clearance in those spans by approximately 5 ft. The upstream and downstream low steel of the platform will be lighted at night with red lights placed every 75 ft. A 160ft X 50ft equipment barge and a 110ft X 30ft service barge will be moored, via spuds, at various locations on the north side of the bridge, each corner lighted at night with red lights. (See San Mateo Lighting Plan in the enclosure section). The main navigation span of the bridge, between piers 19 and 20 will remain clear at this time. For details at the work site, mariners can contact Caltrans at 408-592-3785, or Liberty Maintenance at 330-272-4667, 516-369-8535, 330-509-4535, or 917-709-0742. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18651 LNM: 11/16

SAN FRANCISCO BAY-DETERIORATING CONCRETE PILINGS

Deteriorating concrete pilings above and below the waterline are present in the vicinity of the the south edge of the Southampton Shoal Light (LLNR 5480). Mariners are advised to use caution when transiting this area. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18649 18652 LNM: 23/15

SAN FRANCISCO BAY-OAKLAND HARBOR-DREDGING

Camenzind Dredging Inc. will be conducting dredging operations in Oakland Middle Harbor Enhancement Area at 37-48-10N 122-20-00W until 15 Jul 16. A submerged pipeline operated by dredge PAUL VINCENT will be marked with yellow floats and anchors with white buoys. The Operations will remain continuous for the duration of the project. Dredge PAUL VINCENT, work boat FESTER and barge Fred will monitor VHF-FM Chan. 16 and 67. Mariners are requested. For more details or comments contact Project Manager Kurt Camenzind at 650-424-0367.

Charts: 18650 18652 LNM: 06/16

SAN FRANCISCO BAY-OAKLAND INNER HARBOR-SHOALING

Shoaling has been reported on the south side of the Oakland Inner Harbor South Channel in the east passage through the Fruitvale Ave. Bridge. Mariners are requested to transit the area with caution and report any observed changes in shoaling conditions to the San Francisco VTS on VHF-FM Chan. 14. For more details or comments contact U.S. Coast Guard Sector San Francisco Waterways Management at 415-399-7443.

Chart 18652 LNM: 16/15

SAN FRANCISCO BAY-OAKLAND-SUNKEN VESSEL

A sunken 56ft vessel has been reported in the vicinity of 5th Ave. Marina, Oakland at 37-47-18.91N 122-15-51.60W. Approximately 2ft to 4ft of the vessel's mast is out of the water and also marked by a quick flashing green light. Mariners are requested to transit the area with caution.

Chart 18652 LNM: 39/15

SAN FRANCISCO BAY-PARADISE CAY HARBOR-DREDGING

Salt River Construction will conduct dredging operations in the Paradise Cay Homeowners Channel at 37-54-53N 122-28-32W until 30 Nov 16. The dredge/dump barges DB1 and DB2, along with tug IRENE LAURITZEN will monitor VHF-FM Chan. 13, 14, and 77. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

Chart 18653 LNM: 13/16

SAN FRANCISCO BAY-RESEARCH BUOY DEPLOYMENT

The Coastal Oceanography Group at UC Davis Bodega Marine Laboratory deployed two research buoys in the vicinity of South Bay and Rocky Point at 37-46-29.3N 122-21-56.1W and 37-52-26.4N 122-37-37.2W. The buoys will remain at these locations until 31 Jul 16. The buoys are marked at the surface with a yellow 14ft trawl float and 12ft spar buoy with radar reflector, flag and amber light. For more more details or comments contact David Dann at 707-875-1931.

Chart 18649 LNM: 14/16

SAN FRANCISCO BAY-SAN FRANCISCO FERRY TERMINAL-CONSTRUCTION

Manson Construction will be installing a marine barrier in the vicinity of San Francisco Ferry Plaza at 37-47-49N 122-23-21W until 30 Aug 16. Mariners are requested to transit the area with caution. For more details or comments contact LTJG Christina Ramirez at 415-399-3585.

Chart 18650 LNM: 37/15

SAN FRANCISCO BAY-SAN FRANCISCO MARINA-SHOALING

Shoaling has been reported extending from the south side of the North Jetty at the entrance to San Francisco Marina. An unlighted white buoy has been established at 37-48-30N 122-26-23W in 9ft of water to mark the shifting shoal. The northern entrance is subject to rapid shoaling and should be avoided due to unknown depths. It is recommended that vessels transiting the marina enter and exit from the south side of the floating wave attenuator. Mariners are requested to transit the area with caution. For more details or comments contact Lawrence O'Donnel at 415-831-6322.

Chart 18649 LNM: 11/15

SAN FRANCISCO BAY-SUISUN BAY-MARINE CONSTRUCTION

Cherne Contracting Corporation will be conducting marine construction operations on the Tesoro Avon Wharf in Suisun Bay at 38-02-56N 122-05-27W until July 2016. The work will include the construction of a new Berth 1A and replacement of the existing trestle between the wharf and land. Two temporary mooring buoys have been established at 38-03-5.76N 122-06-29.5W and 38-03-51.4N 122-06-32.6W. Derrick barges VANCOUVER and GENERAL; along with multiple flat barges will be on site monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution and minimize wake in the vicinity of the construction site. For more details or comments contact Glenn Olson at 253-377-4078.

Chart 18656 LNM: 28/15

SAN FRANCISCO BAY-VALLEJO-MARE ISLAND STRAIT-MARINE CONSTRUCTION

Dutra Construction Company will conduct marine construction at the Mare Island Ferry Terminal at 38-06-06N 122-16-08W until 01 Jun 16. Project work will consist of pile driving and floating dock installation. Crane barge MORTY or KELSO will be on site monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution and minimize wake when transiting near the construction site. For more details or comments contact Stephen Hutchison at 415-254-4410.

Chart 18655 LNM: 29/15

SAN FRANCISCO-OAKLAND BAY BRIDGE (EAST OF YBI)

SAN FRANCISCO/OAKLAND BAY BRIDGE-EAST OF YBI -A Safety Zone has been established from 1000 feet west of pier "I" and extends east to the Oakland shoreline. (see 2015-2017_East_SFOBB_Safety Zone.pdf in enclosure section) This safety zone has been established to protect mariners from the dangers associated with removal operations of the SFOBB. All vessels passing through the bridge east of YBI should use the "T1-E2" span of the Replacement SFOBB Eastern Span until demolition of the replaced bridge is complete. Unauthorized persons or vessels will be prohibited from entering into, transiting through, or remaining in the safety zone without permission of the Captain of the Port or their designated representative.

Work is in progress in removing the spans between piers I-N, Typical in-water equipment to be utilized are two 250' X 72' X 15' barges, two 99' X 99' crane barges, and a 133' X 46' material barge, spudded and anchored beneath the structure. Typical anchor lines will extend from each corner of the barges out 1500 feet. Each corner of the anchored barges shall be lighted at night will an all-round red lights. Red lights will mark the upstream and downstream portion of the pier bases until their removal. (see Barge-504Removal.pdf in enclosure section)

For details at the work site, mariners may contact Caltrans at 650-222-7242 or the Contractor at 510-774-1204. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

SAN FRANCISCO-OAKLAND BAY BRIDGE (EAST OF YBI)

Chart 18650 LNM: 43/08

SAN FRANCISCO-OCEAN BEACH-GEOPHYSICAL SURVEY

The USGS Pacific Coastal and Marine Geology Science Center (PCMGSC) will be conducting a near shore geophysical survey off of Ocean Beach until 09 Aug 16. The operations will be a bathymetric survey using a 200 kHz single beam echo sounder mounted on a personal watercraft (jet ski). Two personal watercraft will be used to conduct cross shore transects from within the surf zone out to 6.5nm from shore to document the effects of large wave events on seafloor morphology. For more details or comments contact Jenny White at 831-460-7485.

Charts: 18649 18652 LNM: 16/16

SAN FRANCISCO-SUISUN BAY-MONTEZUMA SLOUGH-SUISUN MARSH-LOCK OPERATIONS

The California Department of Water Resources is operating the boat lock from 0700-1700 daily until 31 May 16, and will monitor VHF-FM Chan. 13 during operating hours at the Suisun Marsh Salinity Control Structure maintenance channel at 38-05-36N 121-53-07W. All vessels requiring passage in either direction must use the boat lock. The boat lock signal is a standard traffic light. Whistle signals to request opening are two prolonged blasts followed by two short blasts. Full instructions on passage including an emergency phone number are posted on site. The boat lock is located on the east side of the channel and provides the following clearances: 16ft horizontally; 9ft over the sill at MLLW; 70ft in length between sector gates; and no vertical impairment. The piers will be marked by fixed red lights, and other parts of the structure will be marked by fixed yellow lights.

Mariners should be aware a shoal area exists along the east bank on both sides of the structure extending approximately 50ft out from the existing levee. Marker buoys have been placed to identify the area. Mariners are also advised that the Salinity Control Structure operations can, at times, create currents at the site greater than currents in other areas of Montezuma Slough. Mariners are requested to transit the area with caution. For more details or comments contact Dan Yamanaka at 916-574-0456.

Chart 18656 LNM: 34/15

SAN MIGUEL ISLAND-OCEANOGRAPHIC OPERATIONS

The research vessel SIKULIAQ will conduct routine servicing of a moored oceanographic buoy at 34-18-32N 120-48-09W on two occasions as follows:

16 May 16-the existing surface buoy and mooring equipment will be recovered.

17 May 16-the surface buoy and mooring equipment will be redeployed in same position.

R/V SIKULIAQ will be restricted in her ability to maneuver. R/V SIKULIAQ will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to use caution when transiting the area and maintain a safe distance of 1nm from operating area. For more details or comments contact Paul Chua at pchua@ucsd.edu.

Charts: 18700 18721 LNM: 18/16

SAN PABLO BAY-OSTRUCTION TO NAVIGATION

There has a been a report of an unknown unlit yellow can buoy at 37-53-09N 122-24-09W 0.5nm northwest of Southampton Shoal Light. Mariners are requested to transit the area with caution and report any relevant observations regarding this buoy to D11 Private Aids to Navigation Manager at 510-437-2984.

Chart 18640 LNM: 18/16

SANTA BARBARA CHANNEL-GEOPHYSICAL SURVEY

The USGS Pacific Coastal and Marine Geology Science Center (PCMGSC) will be conducting a near shore geophysical survey from Goleta to Palos Verdes until 31 May 16. The operations will be a bathymetric survey using a 200 kHz single beam echo sounder mounted two personal watercraft (jet ski). See enclosure (Geophysical Survey Operations.pdf) for chartlet and positions for survey. For more details or comments contact Jenny White at 831-460-7485.

Chart 18685 LNM: 46/15

SANTA BARBARA-CHANNEL ISLANDS-SCIENTIFIC SURVEY OPERATIONS

The National Oceanic and Atmospheric Administration (NOAA) vessel BELL M. SHIMADA will be conducting scientific research operations around the northern Channel Islands (Anacapa, Santa Cruz, Santa Rosa, San Miguel) until 18 May 16. Work will be focused between depths of 16 and 190 fathoms. Fishermen are requested to use caution when setting fishing gear between those depths. For more details or comments contact NOAA's Channel Islands National Marine Sanctuary at 805-729-1271.

Chart 18720 LNM: 16/16

SANTA CRUZ-SEASONAL ATON ESTABLISHMENT DELAYED

The establishment of the following seasonal AtoN has been delayed until dredging operations are completed in Santa Cruz Harbor:

Santa Cruz Harbor Buoy 1 (LLNR 4090)
Santa Cruz Harbor Lighted Buoy 2 (4095)
Santa Cruz Harbor Buoy 3 (4100)
Santa Cruz Harbor Buoy 4 (4105)

Chart 18685 LNM: 17/16

SANTA CRUZ-SHOALING

The harbormaster's office in Santa Cruz has reported significant shoaling in the entrance to Santa Cruz due to recent weather events. Mariners are advised to exercise caution when operating in this area as actual water depths may vary from charted depths.

SANTA CRUZ-SHOALING

Chart 18685

LNM: 50/15

SANTA MONICA-GEOPHYSICAL SURVEY

Terrasond Limited will be conducting a proposed cable route survey of off of Santa Monica, CA during daylight hours from 20-31 May 16. The survey area extends from the shoreline 500m wide to 3nm offshore. Survey vessel JAB will be towing survey equipment 390ft behind the vessel. Survey vessel JAB will monitor VHF-FM Chan. 16 and 71 while conducting survey operations. Mariners are requested to transit the area with caution. For more details or comments contact Kathleen Mildon at 206-330-6442.

Chart 18744

LNM: 19/16

SECTION VIII - LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks

None

PUBLICATION CORRECTIONS

None

ENCLOSURES

SOUTHERN CALIFORNIA-MARINE SAFETY INFORMATION BULLETIN

MSIB Voluntary Traffic Lane 11-09.pdf

See link above.

LNM: 09/10

REPORT OF DELAY AT DRAWBRIDGE

DelayRept0207.pdf

Use link above to Report a Delay at a Drawbridge.

LNM: 06/07

DELTA & RIVERS-DISCOVERY BAY-WERNER DREDGER CUT-BRIDGE

Orwood_Lighting_Diagram.pdf

See Link Above

Chart 18661

LNM: 25/15

SAN CLEMENTE ISLAND SAFETY ZONE

MSSB 04-15 SCI Safety Zone.pdf

See link above.

LNM: 39/15

MARINE SAFETY INFORMATION BULLETION

MSIB 15-07.pdf

See link above.

LNM: 47/15

MARINE SAFETY AND SECURITY BULLETIN

MSSB 005-14 Safety Advisory.pdf

See link above.

LNM: 49/15

SAN FRANCISCO BAY-ENTRANCE TSS-SPEED REDUCTION

2016 Speed Reduction Zone.pdf

See link above.

Chart 18645

LNM: 17/16

MONTEREY BAY-GEOPHYSICAL SURVEY

Geophysical Survey Operations.pdf
See link above.

LNM: 46/15

PETALUMA RIVER-BRIDGE

Cofferdam Lighting_US101_Petaluma.pdf
See link above.

LNM: 26/13

SAN FRANCISCO BAY-BRIDGE-SAN MATEO/HAYWARD BRIDGE

SanMateo_LightingPlan.pdf
See link above for barge and below deck lighting diagram.

LNM: 11/16

CARQUINEZ STRAIT-BRIDGE

Carquines Strait Bridge.pdf
See link above.
Chart 18655

LNM: 13/16

NEWPORT BAY-GRAND CANAL-BRIDGE

SafetyZoneGrandCanal.pdf
See link above for safety zone.

LNM: 13/16

SAN FRANCISCO-OAKLAND BAY BRIDGE (EAST OF YBI)

2015-2017_East_SFOBB_SafetyZone.pdf Barge_Lighting_504RemovalSFOBB.pdf
See links above for safety zone, barge mooring and lighting diagrams.

LNM: 04/16

THE LOCAL NOTICE TO MARINERS IS AVAILABLE ON THE WORLD WIDE WEB AT WWW.NAVCEN.USCG.GOV/.

A. E. Wirts
U.S. Coast Guard
Chief Waterways Management Branch

U. S. Coast Guard
Sector Los Angeles – Long Beach

MARINE SAFETY INFORMATION BULLETIN 11-09

Los Angeles / Long Beach Harbor Safety Committee
Voluntary Western Traffic Lanes

There has been a recent trend in traffic patterns where some vessel operators are choosing to depart the Traffic Separation Scheme (TSS) established in the Santa Barbara Channel and transit through an area to the south of San Miguel, Santa Rosa and Santa Cruz Islands (referenced herein as "south of the Channel Islands"). As such, the Los Angeles / Long Beach Harbor Safety Committee has published voluntary western traffic lanes for vessels approaching and departing the Ports of Los Angeles and Long Beach.

Mariners transiting through the western and northern approaches to and from the Ports of Los Angeles and Long Beach (LA/LB) are advised the established TSS through the Santa Barbara Channel as shown on NOAA and Admiralty charts is the only International Maritime Organization (IMO) approved routing measure in this area. An IMO approved TSS reduces the risk of collision by providing for the separation of arriving and departing traffic and minimizing potentially hazardous crossing situations. Mariners, who have traditionally used this approved TSS, are encouraged to continue to do so.

Voluntary Western Traffic Lanes

To address the safety concerns created by increased traffic south of the Channel Islands, on October 6, 2009, the Los Angeles/Long Beach Harbor Safety Committee (LA/LB HSC) endorsed voluntary traffic lanes in the area south of the Channel Islands (referenced herein as "voluntary western traffic lanes."). The new voluntary western traffic lanes are not approved by the IMO, nor are they approved by any U.S. federal authority, including the U.S. Coast Guard. The LA/LB HSC developed theses lanes as a voluntary measure to promote vessel safety. The Coast Guard is taking separate action to study the increased traffic in this area.

The geographical coordinates for the voluntary western traffic lanes are published by the LA/LB HSC secretary at http://www.mxsocal.org/Blogs/24/Voluntary-Routing-Zones.aspx.

Pacific Missile Test Range, Point Magu

Departing the IMO approved TSS and transiting south of the Channel Islands may result in delays and diversions, as this transit will take vessels through the Pacific Missile Test Range, Point Mugu, California. **The U.S. Navy advises that hazardous operations may take place within the test range.** The test range extends for 180 miles in a South West direction from Point Mugu and is up to 210 miles wide. The specific hazardous areas within the range are broadcast by the Navy daily Monday through Friday at 0900 and 1200 on 2638 kHz and 2738 kHz. When notified by the Navy, the Coast Guard also broadcasts this information on VHF-FM channel 16.

When transiting south of the Channel Islands (inbound or outbound to the Ports of Los Angeles and Long Beach), all mariners should communicate with Navy PLEAD CONTROL in a timely manner so that early decisions can be made regarding safe routing. Every effort should be made to comply fully with any instructions received from the Navy. For information regarding the status of current hazardous operations contact "PLEAD CONTROL" on VHF Marine channel 11 or 16, or at (805) 989-8841/8843 from 0600-1800, and at (805) 816-0792 after 1800. If you are unable to contact "PLEAD CONTROL", contact "SAN PEDRO TRAFFIC" on VHF-FM channel 14 or (310) 832 6411 for the most recent information regarding hazardous military operations.

The Navy requests all vessels transiting the range to submit a notification to PLEAD CONTROL indicating the vessel name, destination, and estimated time of entry into, and departure from, the test range. Notifications can be faxed to (805) 989-0102.

Whales

Mariners are further reminded that large whales, including Blue, Grey, Humpback, and Fin whales, as well as other marine mammals, have been sighted in and around the Santa Barbara Channel, both within the TSS as well as to the south of the Channel Islands. These whales are all protected under federal law and some are listed as endangered species. Please report any collisions with whales or any observed live, injured, or dead whales, including time and position, to the National Oceanographic and Atmospheric Administration (NOAA) at 877-SOS-WHALE (877-767-9425) or the Coast Guard.

Recreational and Fishing Vessels

The area to the south of the Channel Islands is also used by both commercial fishing vessels and recreational vessels, whose operators may not be aware of the new voluntary western traffic lanes or that ship traffic has recently increased in this area. Since the new voluntary western traffic lanes are not an IMO approved traffic separation scheme, the International Regulations for Avoiding Collisions at Sea (COLREGS) Rule 10 does not apply.

Questions

Questions relating to the voluntary western traffic lanes should be directed to the LA/LB HSC Secretary at (310) 832-6411.

U.S. COAST GUARD
REPORT OF DELAY AT DRAWBRIDGE
PER 33 CFR 117.5

BRIDGE NAME_____ DATE _____

MILE _____ WATERWAY _____

1. Name/ Type of Vessel _____ Direction of Travel _____
2. Vessel Owner (Name) _____
   (Address) _____
3. Name of Pilot (if applicable) _____
   (Address) _____
4. Time vessel signaled for bridge opening _____
5. Location of vessel when signal was given _____
6. Time and location of vessel when delay began _____
7. Method of signal for bridge opening ( ) Radio ( ) Sound ( ) Visual
   (If sound or visual signal was used, specify _____)
8. Time bridge operator acknowledged signal _____
9. Method of bridge operator acknowledgement ( ) Radio ( ) Sound ( ) Visual
   (If sound or visual signal was used, specify _____)
10. Did bridge operator acknowledgement indicate the bridge
    ( ) Could be opened immediately
    ( ) Could not be opened immediately
11. If land traffic crossed the bridge:
    Time land traffic started across the bridge _____
    Time land traffic stopped crossing the bridge _____
    Did land traffic stop on the bridge? _____
    Duration land traffic stopped on the bridge _____
12. Time drawbridge opened for navigation _____
14. Additional comments _____

_____

_____

_____

I certify the above information is true to the best of my knowledge and understand this statement may be used by the U.S. Coast Guard in levying fines against the bridge owner.

Signature _____

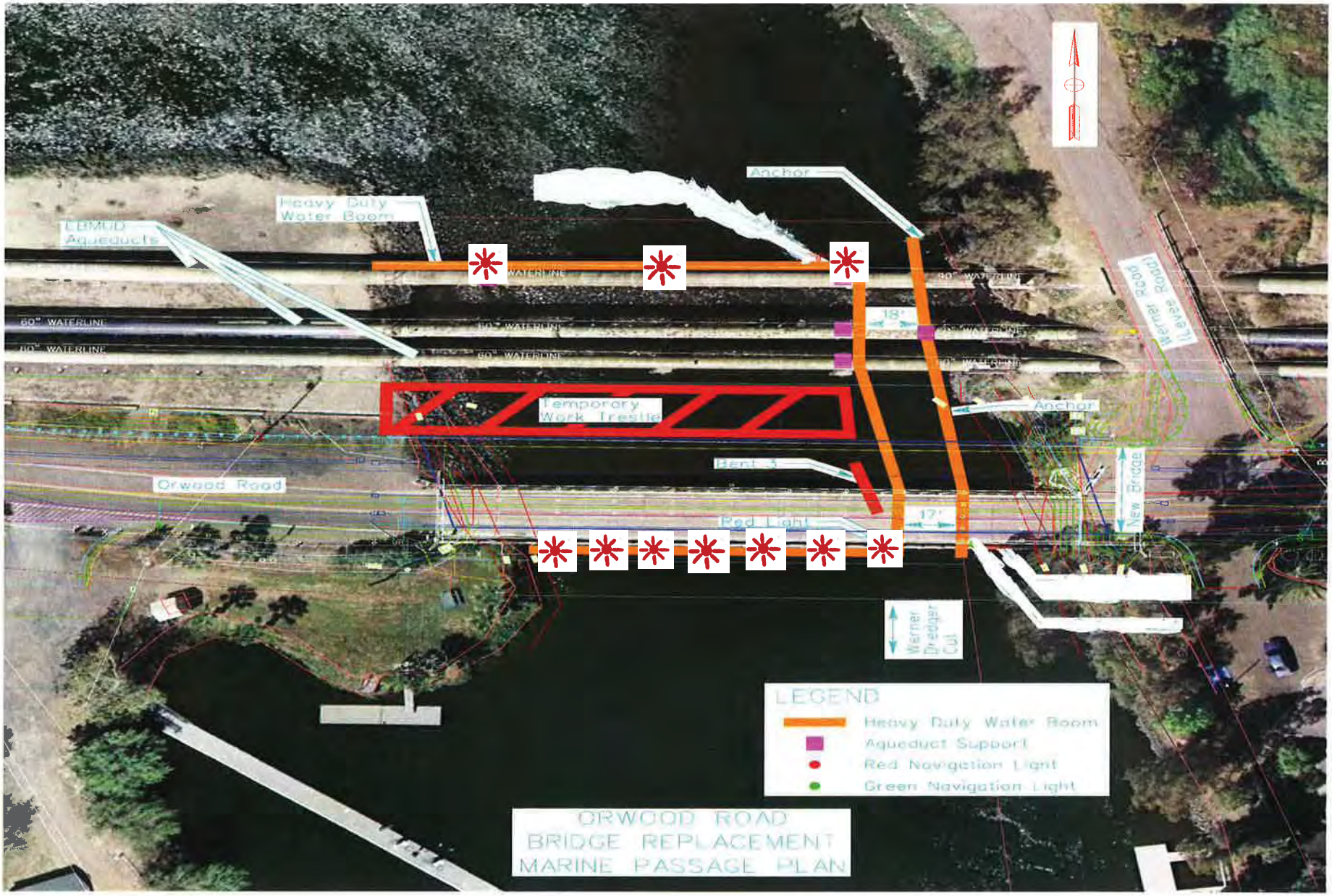
Telephone _____

Mariners may complete and send via fax or mail to:

USCG D11(dpw) Bridge Administration
Building 50-2
Coast Guard Island
Alameda, CA 94501-5100
Cellular: (510) 219-4366, Work Phone: (510) 437-3516
Work Fax: (510) 437-5836

Mariners are reminded not to require bridge openings for appurtenances nonessential to navigation, per 33 CFR 117.11

Orwood Bridge Replacement Project
Mile 1.5, Werner Cut.
Temporary Trestle and Lighting Plan



The temporary trestle will be placed between the existing Orwood Bridge and the EBMUD pipelines. A temporary boom will surround the entire project area leaving mariners with 17 feet of horizontal clearance at the eastern bank of Werner Cut. The in-water piers on the upstream pipeline and downstream existing Orwood Bridge will be lit at night with steady burning red lights.

Maritime Safety and Security Bulletin: 04-15

Effective Date: 03 October 2015

U. S. Coast Guard Sector San Diego
2710 North Harbor Drive
San Diego, CA 92101
Phone: (619) 278-7241/7262
Fax: (619) 278-7235

SAN CLEMENTE ISLAND LIMITED ACCESS ADVISORY

https://www.scisland.org/

Mariners operating in the vicinity of San Clemente Island are reminded of the **restricted** waterway access surrounding San Clemente Island (33 CFR 165.1131; 33 CFR 165.1141).

Since the inception of the regulations, numerous safety zone violations have been processed by Coast Guard Sector San Diego. Safety Zone incursions put the public at risk and cause costly and unnecessary training delays, as well as range cancelations. Violators of the San Clemente Island Safety and Security Zones are subject to monetary penalties. Criminal penalties may also be issued for repeated Safety and/or Security Zone violations. Failure to comply with the federal regulations could result in civil penalties of up to $40,000.00. Furthermore, if a mariner holds a Merchant Mariner Credential, suspension or revocation action may be pursued against the mariner's credential.

San Clemente Island is a top strategic Department of Defense military training facility. Dangerous naval activities occur weekly to ensure deployable military forces are trained for worldwide missions (e.g. small arms training, ground and air explosive ordnance training). Mariners conducting operations around San Clemente Island must abide by Federal regulations that apply to the three NM radius around the island. Eight zones comprise the Safety and Security Zones. Restriction times are based on U.S. Navy live fire exercises. Wilson Cove Security Zone and Safety Zone G are permanently closed. Mariners wishing to transit through Zone G must get preapproval from the U.S. Navy. The U.S. Navy makes every effort to maintain a schedule in advance and minimize public access restrictions. Periods of enforcement can be found at https://www.scisland.org. Restricted access areas and times are highlighted in red and listed in the associated website chart. If a Safety Zone section is green, mariners may access the waters. Mariners are advised to contact San Clemente Island via call sign "KRAKEN" on VHF CH 82A, or call Coast Guard Sector San Diego Joint Harbor Operations Center on VHF CH16 or at (619) 278-7033 to verify real-time status of the restricted waters.

If you would like more information about the Security and Safety zones surrounding San Clemente Island, please contact the Coast Guard Sector San Diego Waterways Management Division at 619-278-7656 or by email at D11-DG-M-SectorSD-Prevention-WaterwaysManagement2@uscg.mil.

CAPT, USCG

J. S. SPANER
Captain, U. S. Coast Guard
Captain of the Port San Diego

MARINE SAFETY AND SECURITY
INFORMATION BULLETIN
(MSIB) 15-07

September 28, 2015

U.S. Department of Homeland Security, Coast Guard Sector San Francisco

Establishment of Anchorage Berths in General Anchorges 7, 8 and 8A*

On September 10, 2015 the Harbor Safety Committee of the San Francisco Bay Region adopted a proposal to establish anchorage berthing schemes in general anchorages 7, 8 and 8A*. These berthing schemes will provide more efficient use and greater predictability of the available space in these anchorages. Specific berth information is contained in the tables below.

	ANCHORAGE 7 BERTH COORDINATES	
	COORDINATES INDICATE CENTER OF .05NM (100YD) DIAMETER DROP BUCKET	
Berth	Latitude	Longitude
7N	37° 49.617'N	122° 23.403'W
7S	37° 49.178'N	122° 22.967'W

	ANCHORAGE 8 BERTH COORDINATES	
	COORDINATES INDICATE CENTER OF .05NM (100YD) DIAMETER DROP BUCKET	
Berth	Latitude	Longitude
8N	37° 47.575'N	122° 21.485'W
8C	37° 47.395'N	122° 20.890'W
8S	37° 46.910'N	122° 21.050'W
8E1	37° 47.835'N	122° 21.000'W
8E2	37° 46.905'N	122° 20.480'W

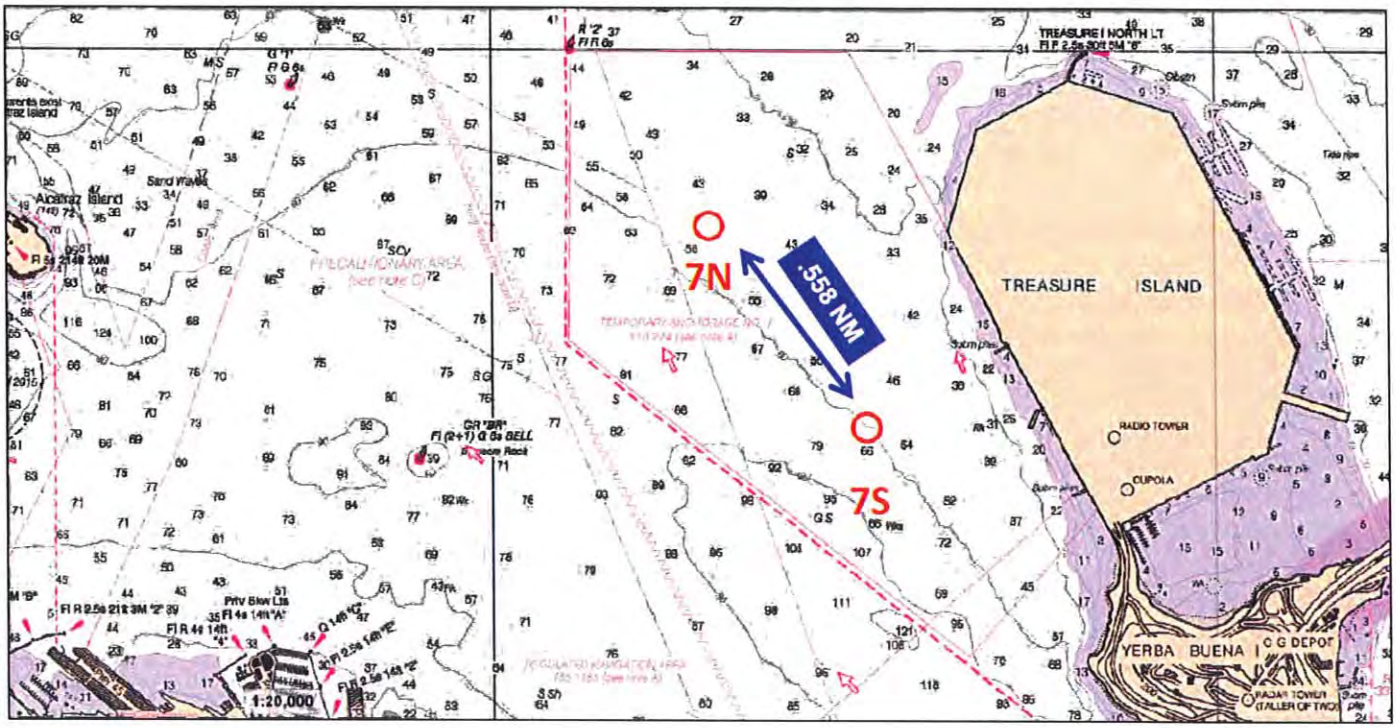
	ANCHORAGE 8A* BERTH COORDINATES	
	COORDINATES INDICATE CENTER OF .05NM (100YD) DIAMETER DROP BUCKET	
Berth	Latitude	Longitude
8A	37° 47.050'N	122° 21.725'W

*Anchorage 8A exists only when activated by VTS.

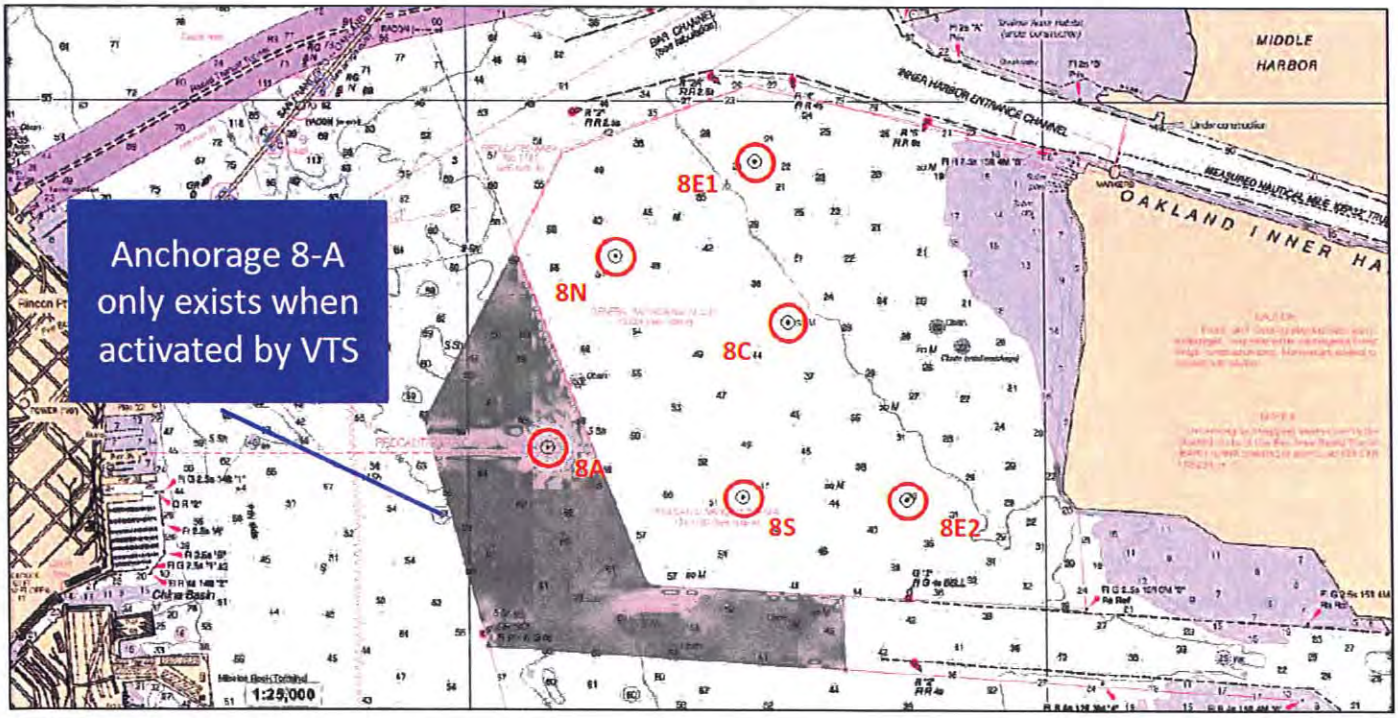
All existing regulations governing the use of these anchorages remain in effect. Vessels using these anchorages should strive to let go their anchor in the center of the drop bucket. For additional information please contact Sean Kelley, Sector San Francisco VTS Director (415) 399-7402.

G. G. Stump
Captain, U.S. Coast Guard
Captain of the Port

General Anchorage 7 berths
Drop circles or “buckets” are .05NM (100 yds) in diameter



General Anchorages 8 & 8-A berths
Drop circles or “buckets” are .05NM (100 yds) in diameter



Maritime Safety and Security Bulletin: 005-14

Effective Date: 15 December 2014

U. S. Coast Guard Sector San Diego
Prevention Department
2710 North Harbor Drive
San Diego, CA 92101
Phone: (619) 278-7241/7262
Fax: (619) 278-7235

SAN DIEGO BAY ZUNIGA JETTY SAFETY ADVISORY

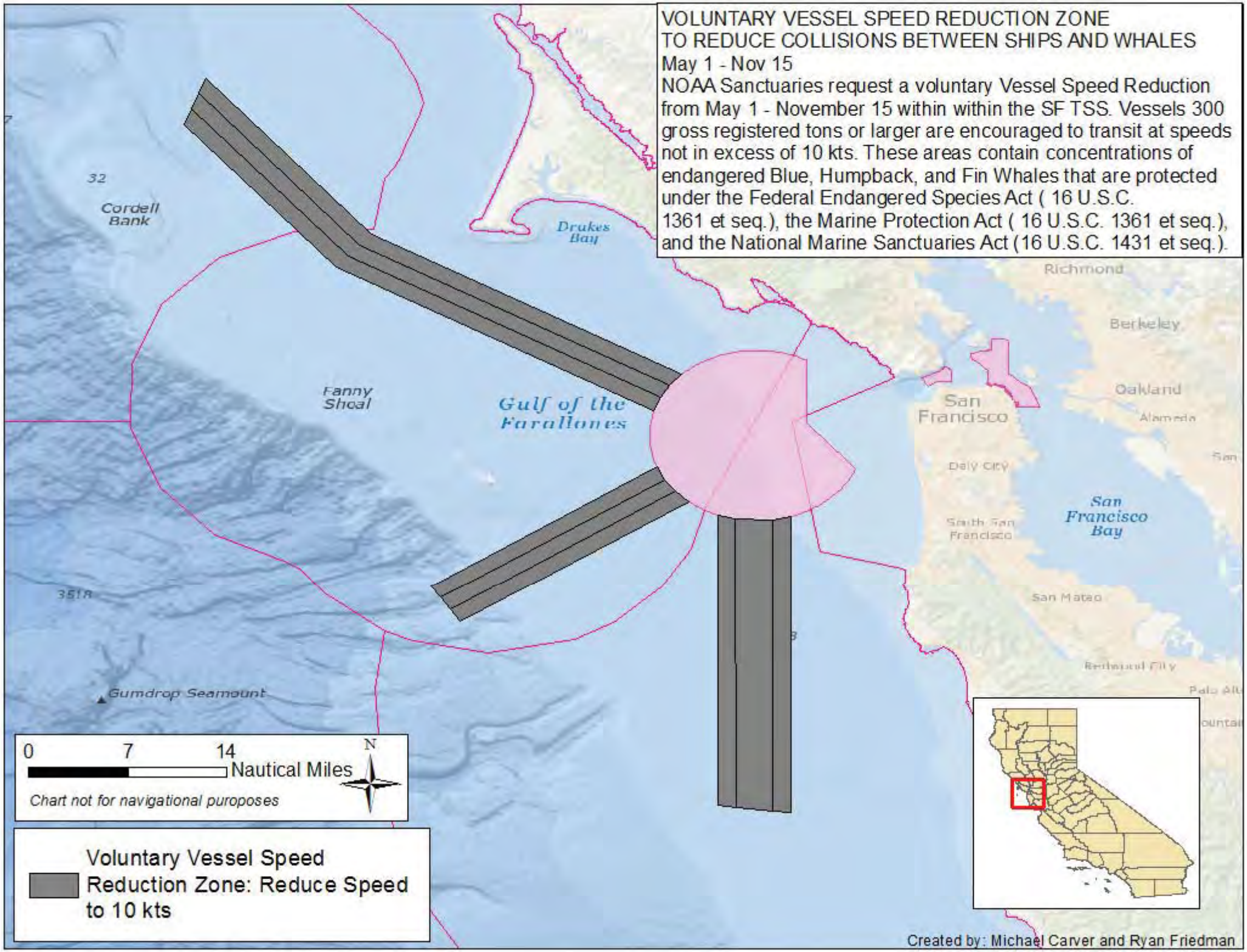
Mariners operating in the vicinity of the entrance to San Diego Bay, specifically adjacent to the Zuniga Jetty, are reminded of the inherent hazards that exist along the semi-submerged break-wall. Follow all navigation charts for safe operating distance around the Jetty, associated shoal waters, and rock hazards. Do not navigate across or within any submerged portion of the Coast Guard navigation marked Jetty. Unfortunately, vessel accidents and injuries continue to occur due to vessel traffic crossing the submerged portions of the Jetty.

Zuniga Jetty, located just to the east of Point Loma and the federal entrance channel at the mouth of San Diego Bay, is a 7,500-foot north/south running breakwater that for over one hundred years has played an important role in stabilizing the entrance to San Diego harbor by blocking sediment flow into San Diego Bay. At high tide, up to two-thirds of the jetty may be submerged, and at low tide, the outer third of the jetty cannot easily be seen by approaching boaters. Submerged sections of various depths between existing navigation lights are hazardous to cross at any time.

Zuniga Jetty is marked with five "Danger Submerged Jetty" signs and five flashing white lights, marked in the Coast Guard Light List and on navigation charts as V through Z. At the southernmost end of the Zuniga Jetty, Light Z is marked with a Flashing White Light every 2.5 seconds and a continuous fog horn with a one-second blast every 10 seconds. Always consult your navigation charts when unfamiliar with the waterway. Printable PDF charts are available free of charge, at http://www.nauticalcharts.noaa.gov .

For more information about the role of the historic Zuniga Jetty, please contact the Coast Guard Sector San Diego Waterways Management Division at 619-278-7656 or by email at D11-DG-M-SectorSD-Prevention-WaterwaysManagement2@uscg.mil.

M. L. ROCHESTER
Commander, U. S. Coast Guard
Officer in Charge, Marine Inspection


VOLUNTARY VESSEL SPEED REDUCTION ZONE
TO REDUCE COLLISIONS BETWEEN SHIPS AND WHALES
May 1 - Nov 15
NOAA Sanctuaries request a voluntary Vessel Speed Reduction from May 1 - November 15 within within the SF TSS. Vessels 300 gross registered tons or larger are encouraged to transit at speeds not in excess of 10 kts. These areas contain concentrations of endangered Blue, Humpback, and Fin Whales that are protected under the Federal Endangered Species Act (16 U.S.C. 1361 et seq.), the Marine Protection Act (16 U.S.C. 1361 et seq.), and the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.).
Cordell Bank
Drakes Bay
Fanny Shoal
Gulf of the Farallones
Gumdrop Seamount
Richmond
Berkeley
Oakland
San Francisco
Alameda
Daly City
South San Francisco
San Francisco Bay
San Mateo
Redwood City
0 7 14
Nautical Miles
N
Chart not for navigational puroposes
Voluntary Vessel Speed Reduction Zone: Reduce Speed to 10 kts
Created by: Michael Carver and Ryan Friedman

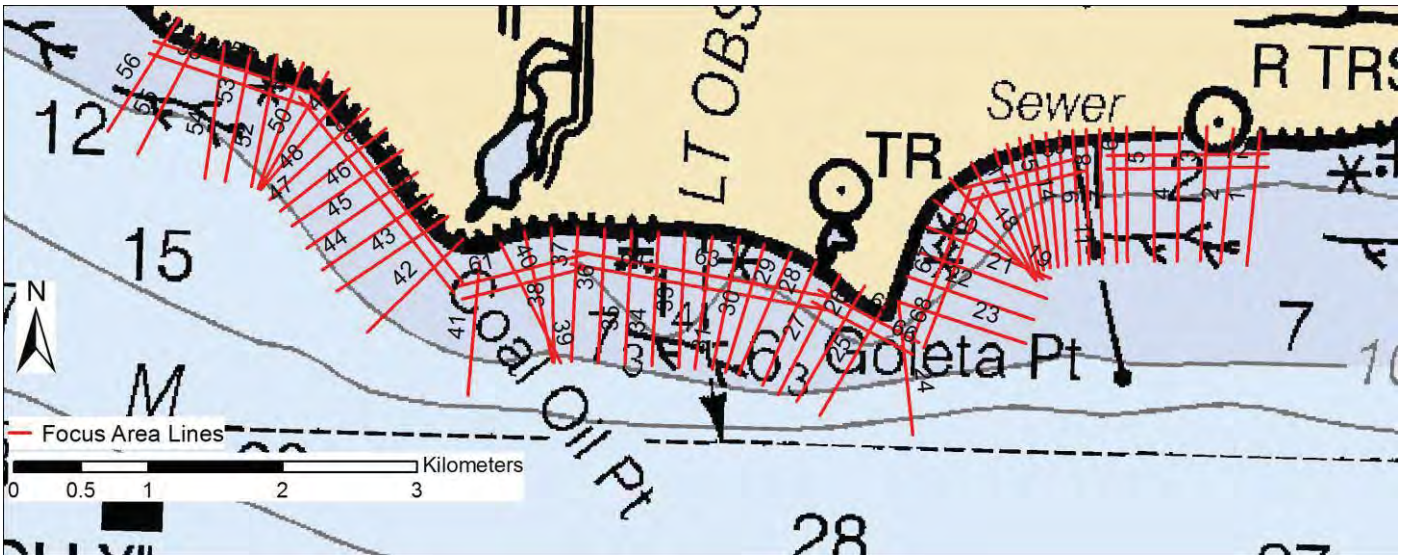


Figure 1a. Goleta focus area lines 1-72

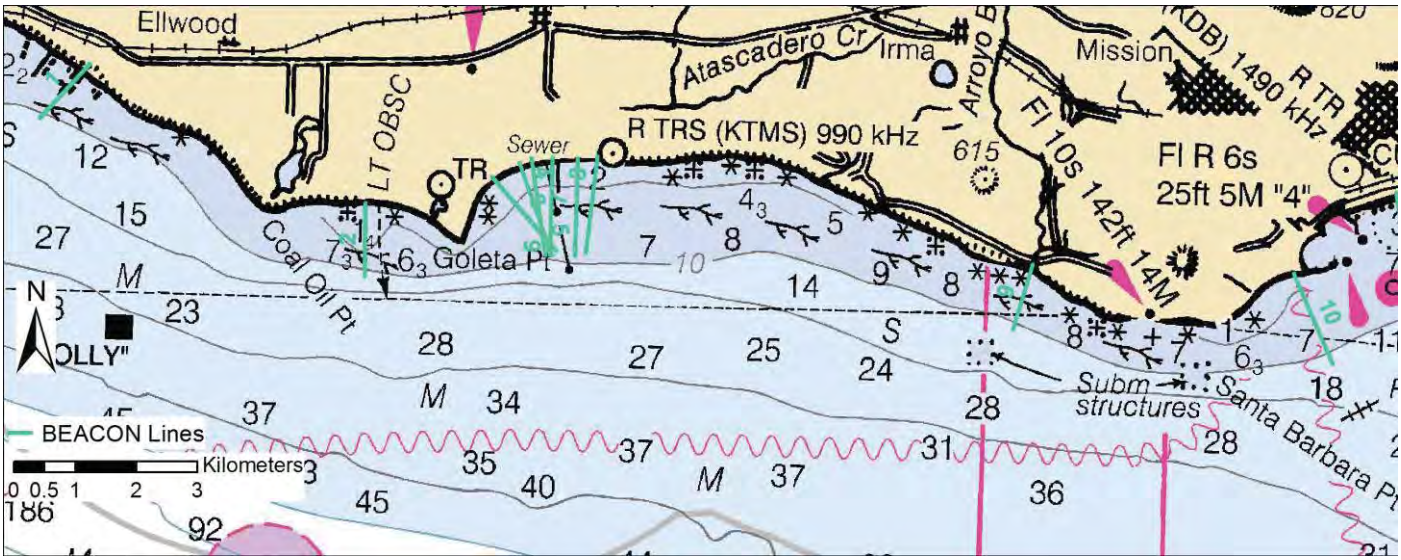


Figure 1b. Goleta-area BEACON lines 1-10

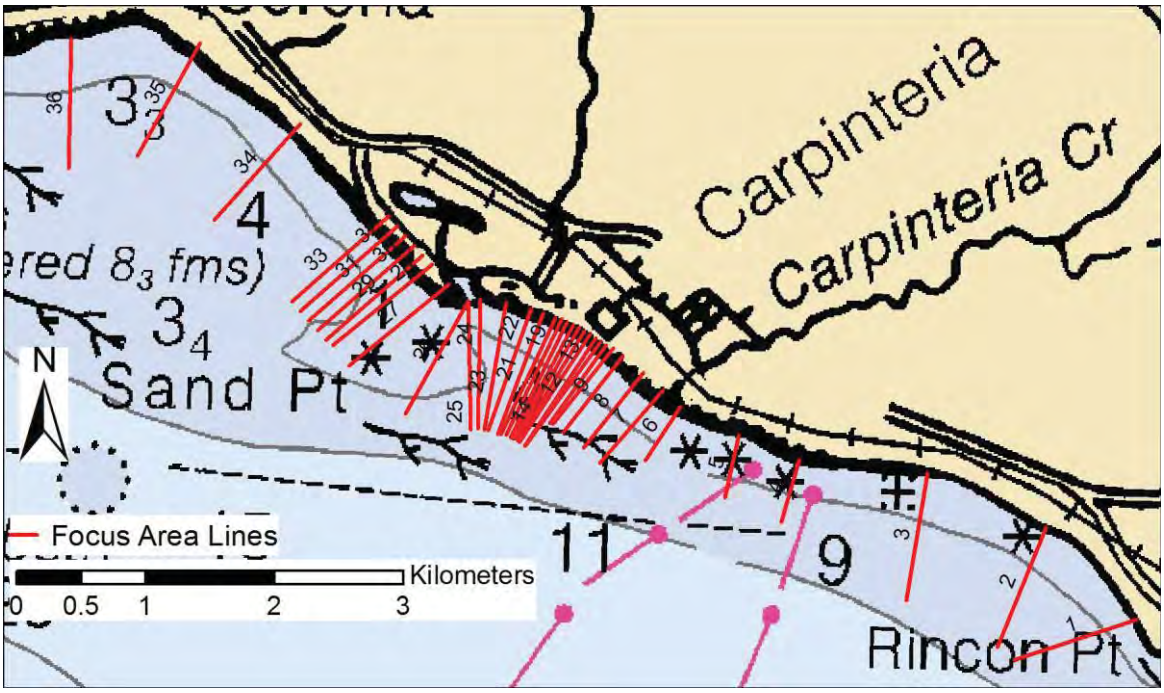


Figure 2a. Carpinteria focus area lines 1- 42

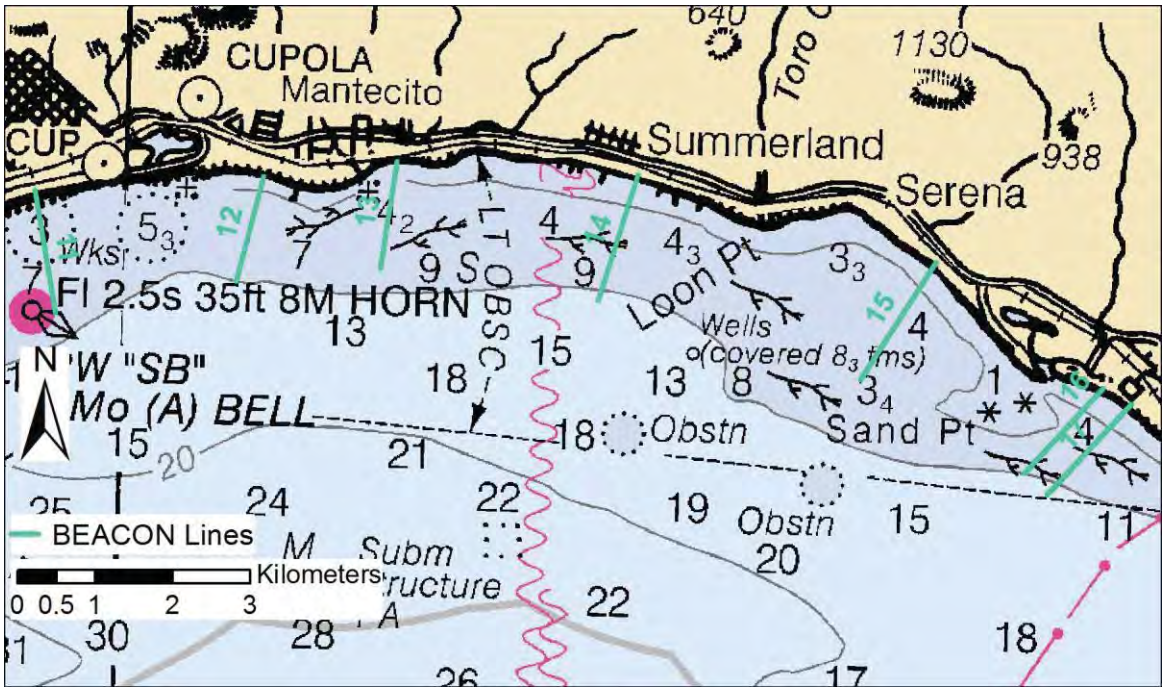


Figure 2b. Carpinteria area BEACON lines 11-17

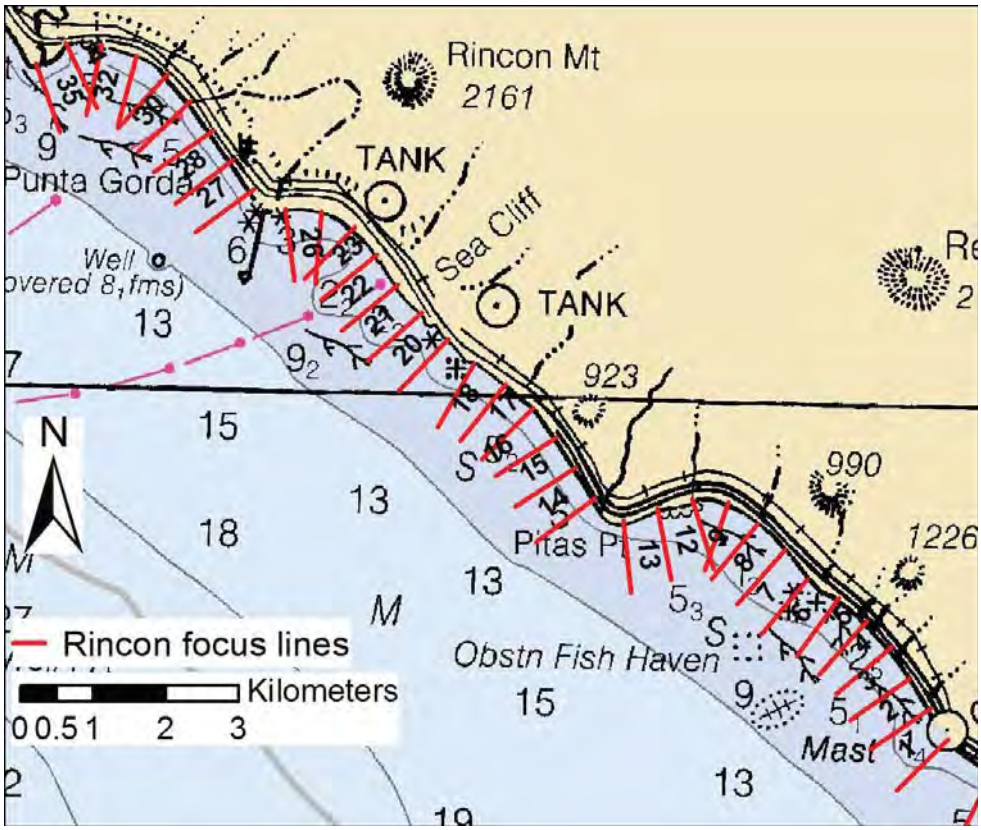


Figure 3a. Rincon focus area lines 1- 35

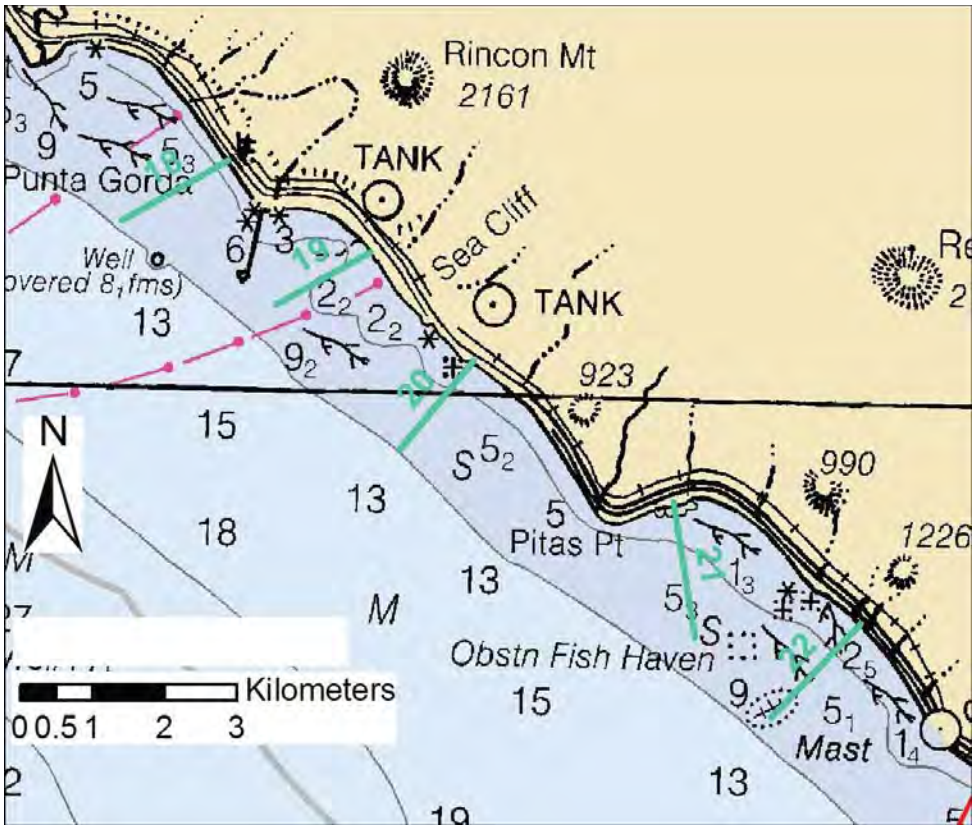


Figure 3b. Rincon-area BEACON lines 18-22

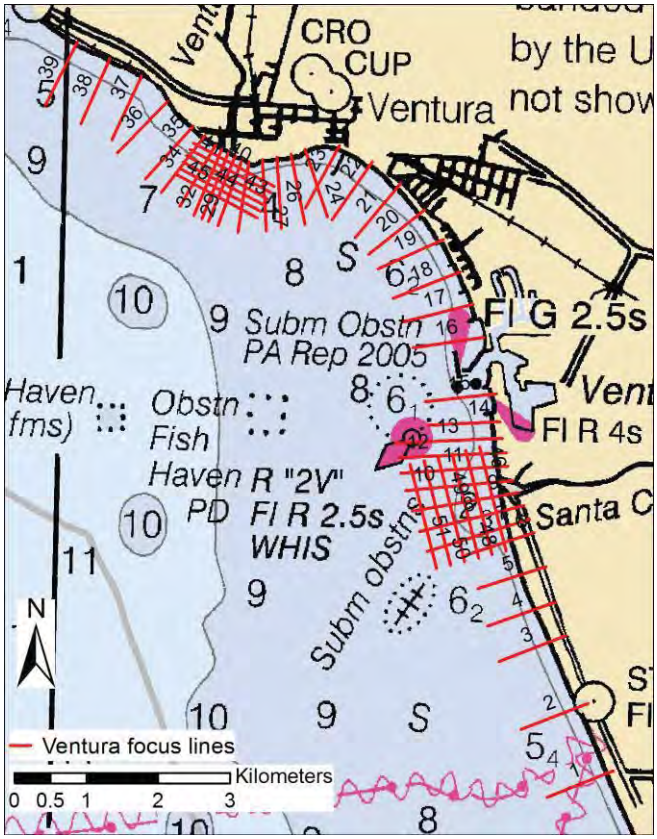


Figure 4a. Ventura focus area lines 1- 51

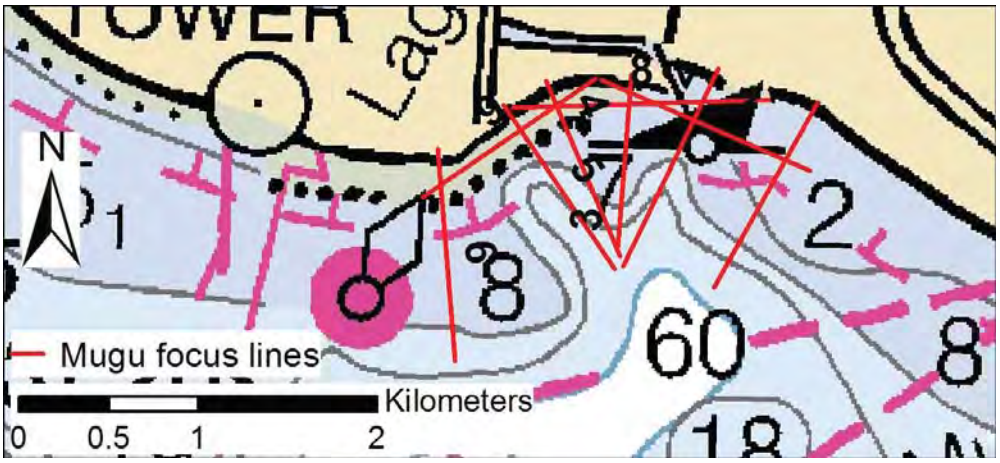


Figure 4b. Ventura-area BEACON lines 23-36

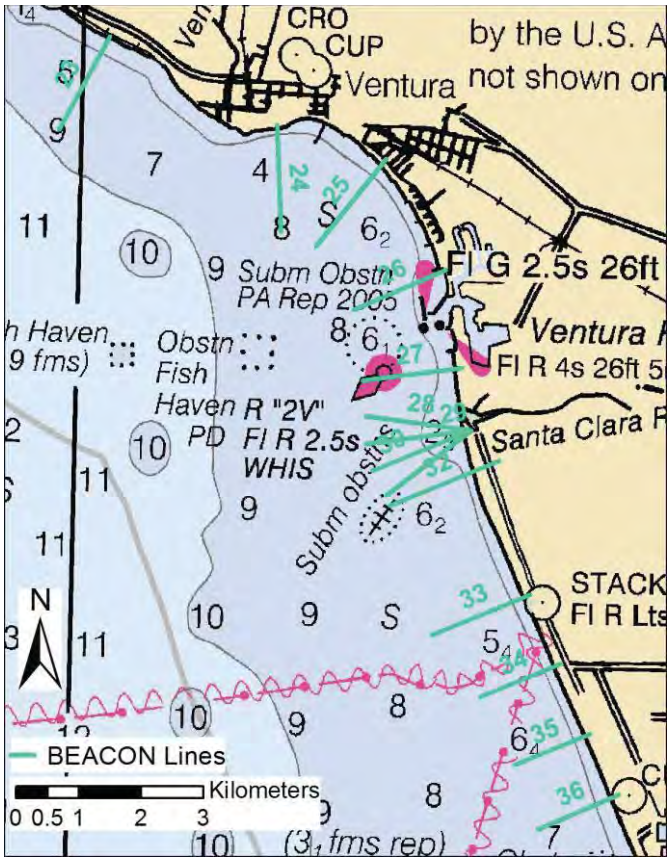


Figure 5a. Mugu focus area lines 1- 9

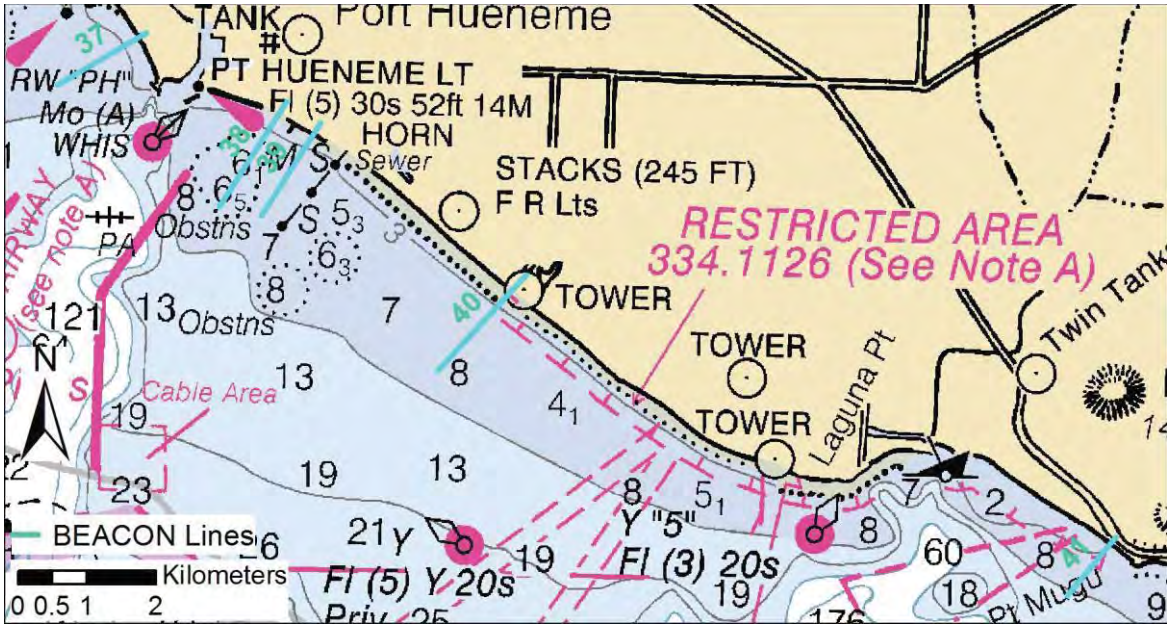


Figure 5b. Mugu-area BEACON lines 37-41

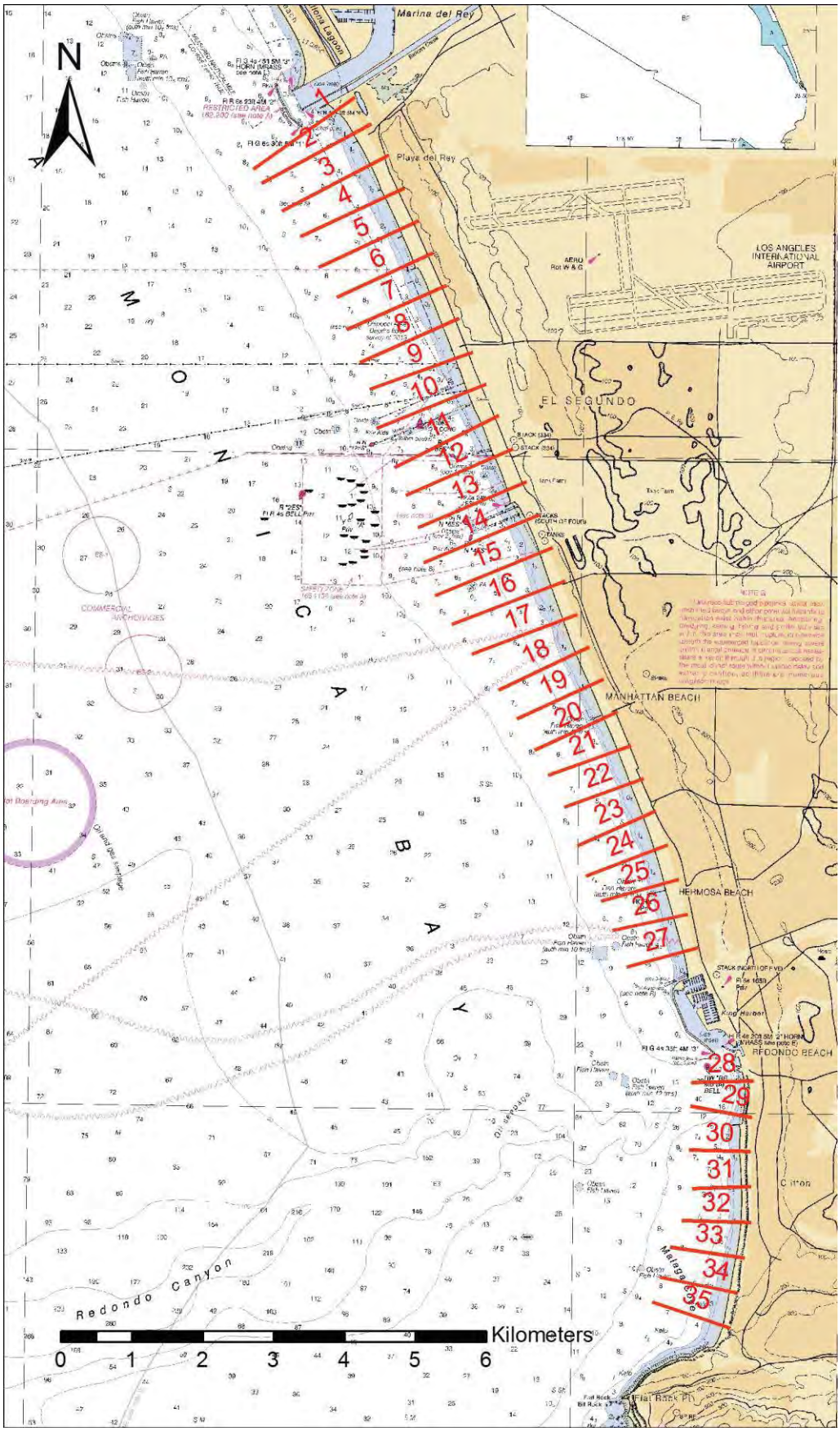


Figure 6. Santa Monica Bay lines 1-35 (NEW SURVEY AREA)

The overall (original) survey area is bounded by the coordinates:
34° 4.877’ -119° 3.851’
34° 4.877’ -119° 55.254’
34° 25.733’ -119° 3.851’
34° 25.733’ -119° 55.254’

The focus area and associated BEACON line survey areas are bounded by the coordinates:

1a. Goleta focus	1b. Goleta-area BEACON
34° 23.777 -119° 54.519	34° 23.386 -119° 55.254
34° 23.777 -119° 48.880	34° 23.386 -119° 41.382
34° 25.369 -119° 54.519	34° 25.733 -119° 55.254
34° 25.369 -119° 48.880	34° 25.733 -119° 41.382

2a. Carpinteria focus	2b. Carpinteria-area BEACON
34° 22.335 -119° 34.233	34° 22.969 -119° 40.751
34° 22.335 -119° 28.767	34° 22.969 -119° 31.480
34° 24.844 -119° 34.233	34° 25.183 -119° 40.751
34° 24.844 -119° 28.767	34° 25.183 -119° 31.480

3a. Rincon focus	3b. Rincon-area BEACON
34° 17.130 -119° 28.628	34° 17.646 -119° 27.816
34° 17.130 -119° 20.303	34° 17.646 -119° 21.056
34° 22.564 -119° 28.628	34° 21.709 -119° 27.816
34° 22.564 -119° 20.303	34° 21.709 -119° 21.056

4a. Ventura focus	4b. Ventura-area BEACON
34° 11.659 -119° 20.175	34° 10.427 -119° 20.225
34° 11.659 -119° 14.877	34° 10.427 -119° 14.230
34° 17.289 -119° 20.175	34° 17.208 -119° 20.225
34° 17.289 -119° 14.877	34° 17.208 -119° 14.230

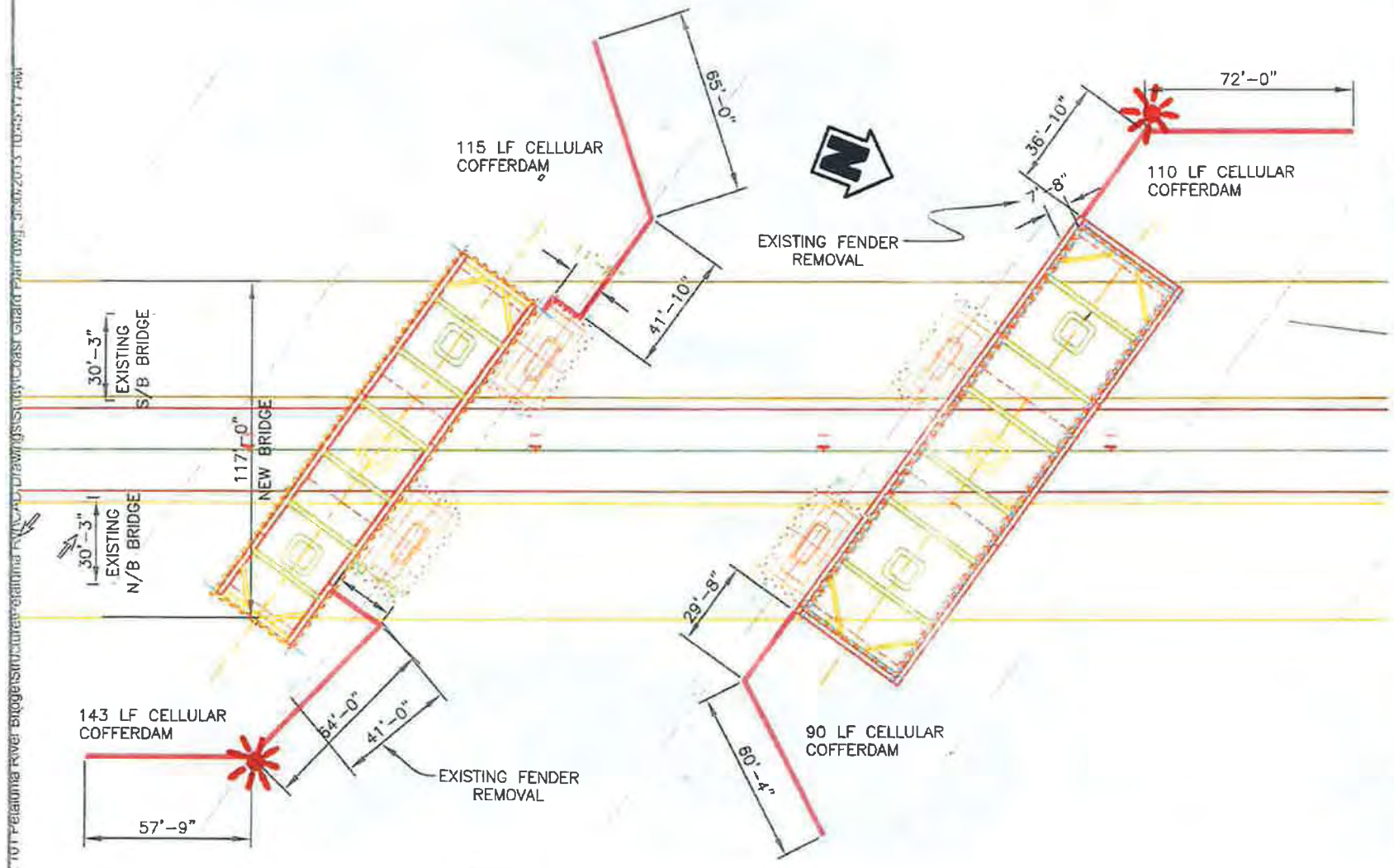
5a. Mugu focus	5b. Mugu-area BEACON
34° 5.132 -119° 6.472	34° 4.877 -119° 13.916
34° 5.132 -119° 5.044	34° 4.877 -119° 3.851
34° 6.031 -119° 6.472	34° 9.122 -119° 13.916
34° 6.031 -119° 5.044	34° 9.122 -119° 3.851

Additionally, the new survey area (Santa Monica Bay) is bounded by the coordinates:
33° 57.726 -118° 28.059
33° 48.356 -118° 28.059
33° 57.726 -118° 23.359
33° 48.356 -118° 23.359

Cofferdam Lighting Diagram

Replacement U.S. 101 Highway Bridge, Mile 12.5, Petaluma River

The corners of the northwest and southeast cofferdams shall be lighted at night with steady burning all round red lights, securely fastened, visible at 1,000 yards by approaching vessels.



PLAN
SCALE: 1 : 50

PETALUMA RIVER BRIDGE
COAST GUARD GENERAL PLAN

C.C. MYERS INC.
3286 Fitzgerald Road, Rancho Cordova, CA 95742
P.O. Box 2948, Rancho Cordova, CA 95741
916-635-9370 Fax 916-635-1527

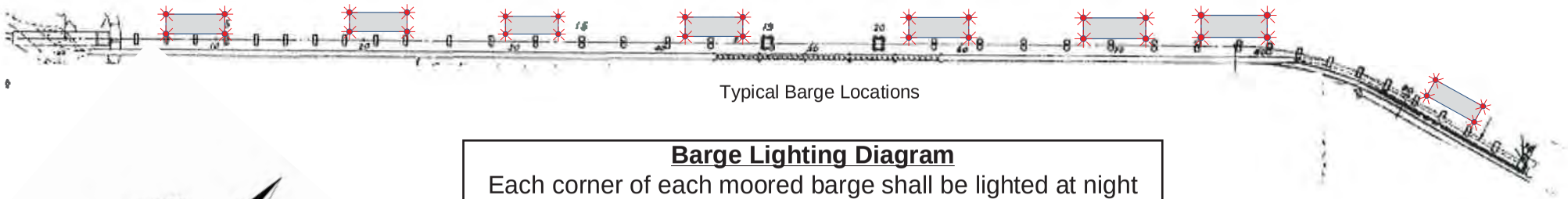
SHEET NUMBER 1 OF 1 SHEETS

Coast Guard Plan

San Mateo-Hayward Bridge, mile 22.7, San Francisco Bay Maintenance - Work Platform and Barge Lighting Diagram

Below Deck Work Platform Lighting

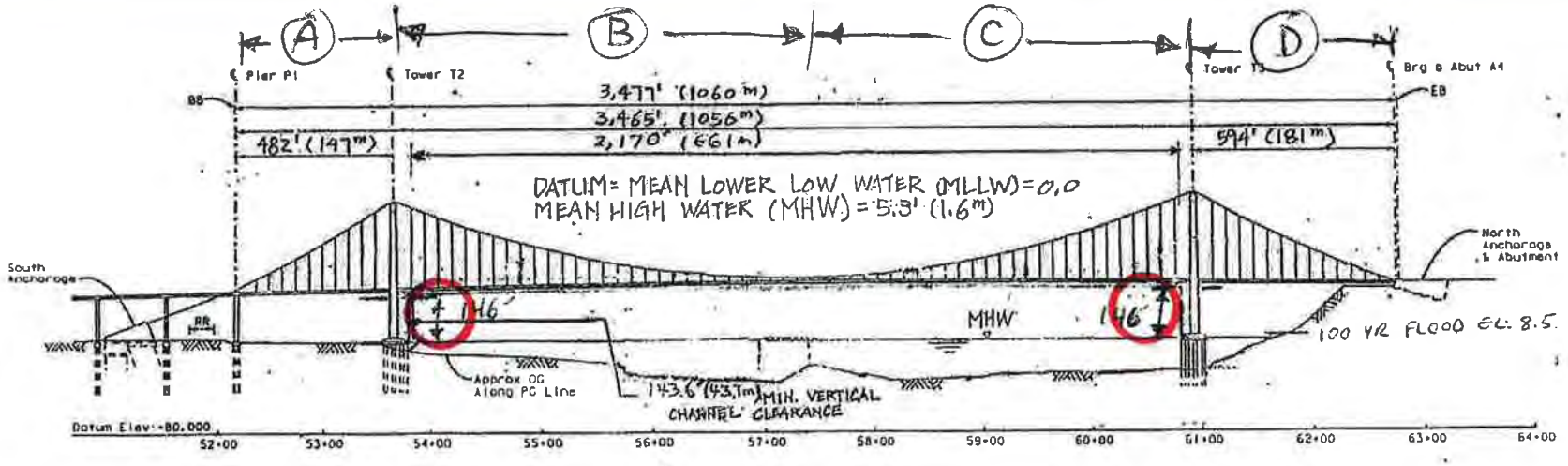
The below deck platform will be lit at night with steady burning red lights placed upstream and downstream on the lowest hittable portion of the platform spaced every 75 feet.



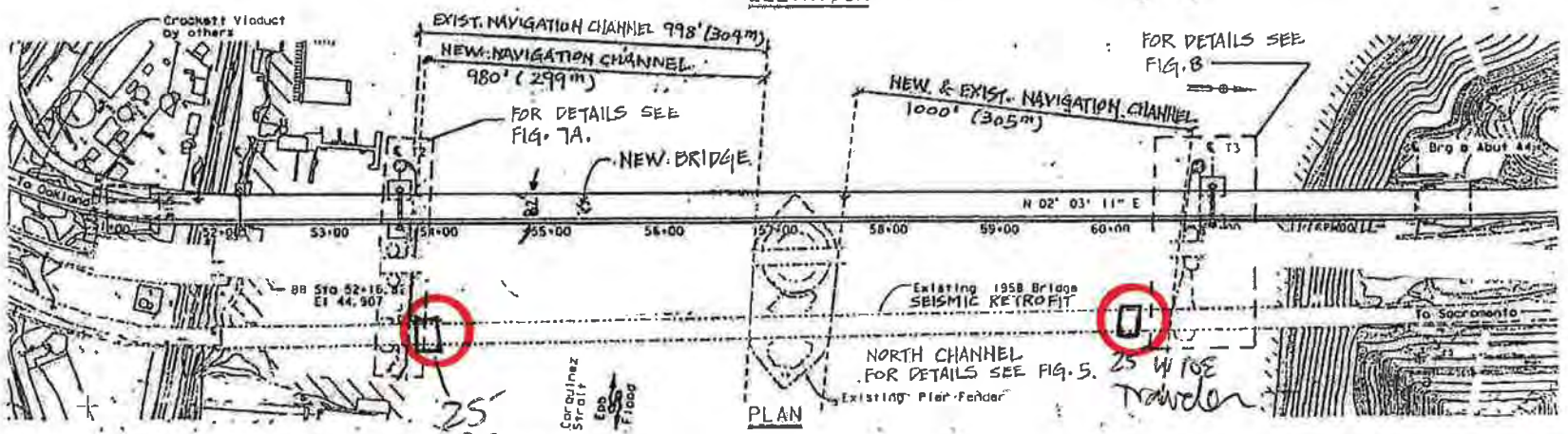
Typical Barge Locations

Barge Lighting Diagram

Each corner of each moored barge shall be lighted at night with steady burning all round red lights.



ELEVATION



ALL HORIZONTAL CLEARANCES ARE MEASURED FROM FACE OF FENDER TO FACE OF FENDER.

FIGURE 4

GENERAL PLAN

0 100m 200m 300m 400m 500m

0 100FT 500FT 750FT 1000FT 1250FT 1500FT

Purpose: Replace the 1927 West Carquinez Bridge Datum: Mean Lower Low Water (MLLW) September 8, 1998 Revised December 28 '98	FIGURE 3 PLAN + ELEV. Caltrans District 4 111 Grand Avenue P.O. Box 23660 Oakland, CA 94623-0660 Scale: See Above	Carquinez Bridge Project In the Carquinez Strait, between the town of Crockett and the City of Vallejo, Contra Costa and Solano Counties Application by Caltrans District 4 Sheet 3 of 3

Safety Zone
Grand Canal, Newport Beach

The Captain of the Port has established a temporary safety zone (area highlighted in red below) in support of navigation safety during the Park Ave Bridge Replacement at Newport Beach Grand Canal on Balboa Island from 04 Apr 2016 through 31 Jan 2017.

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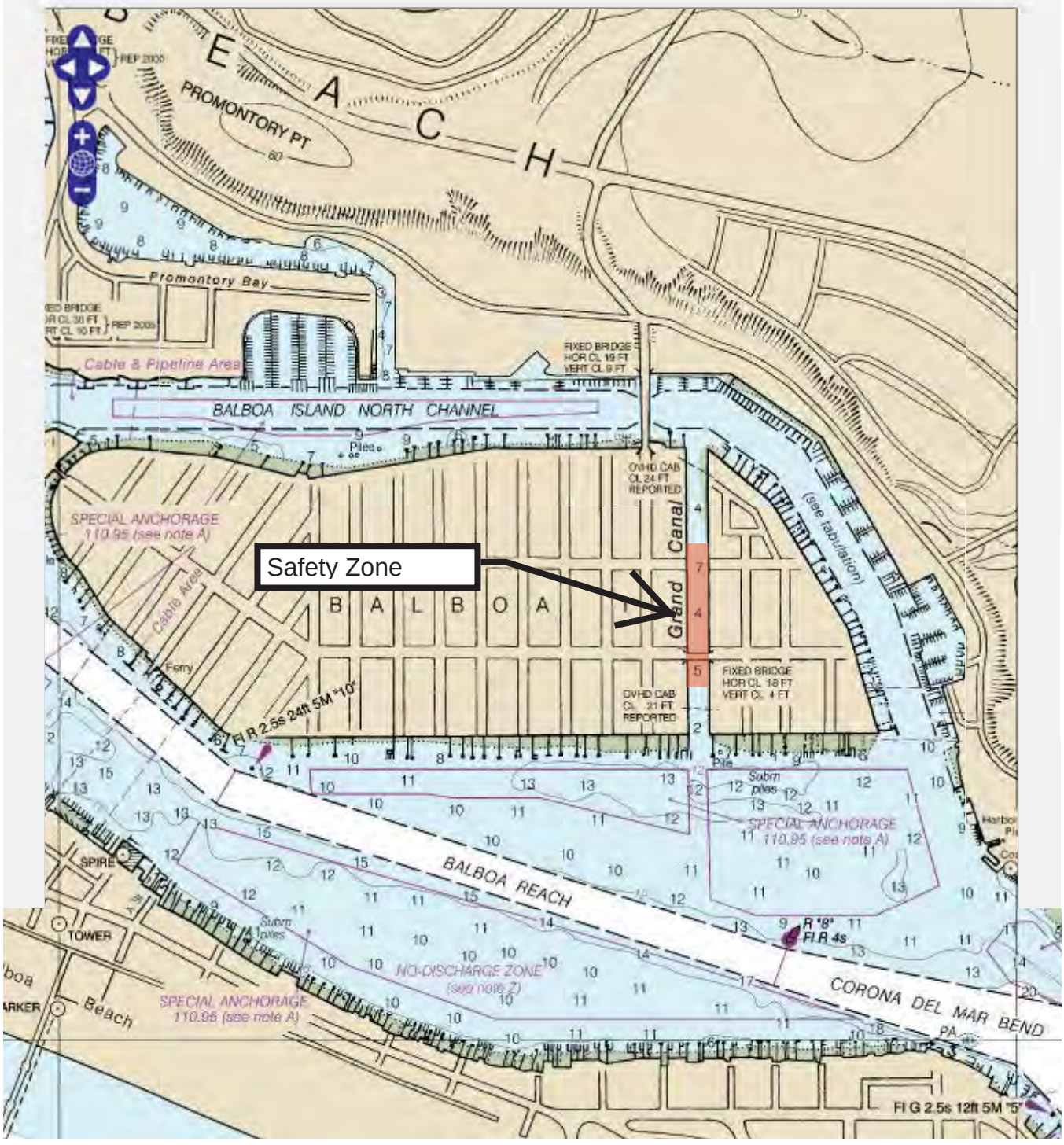
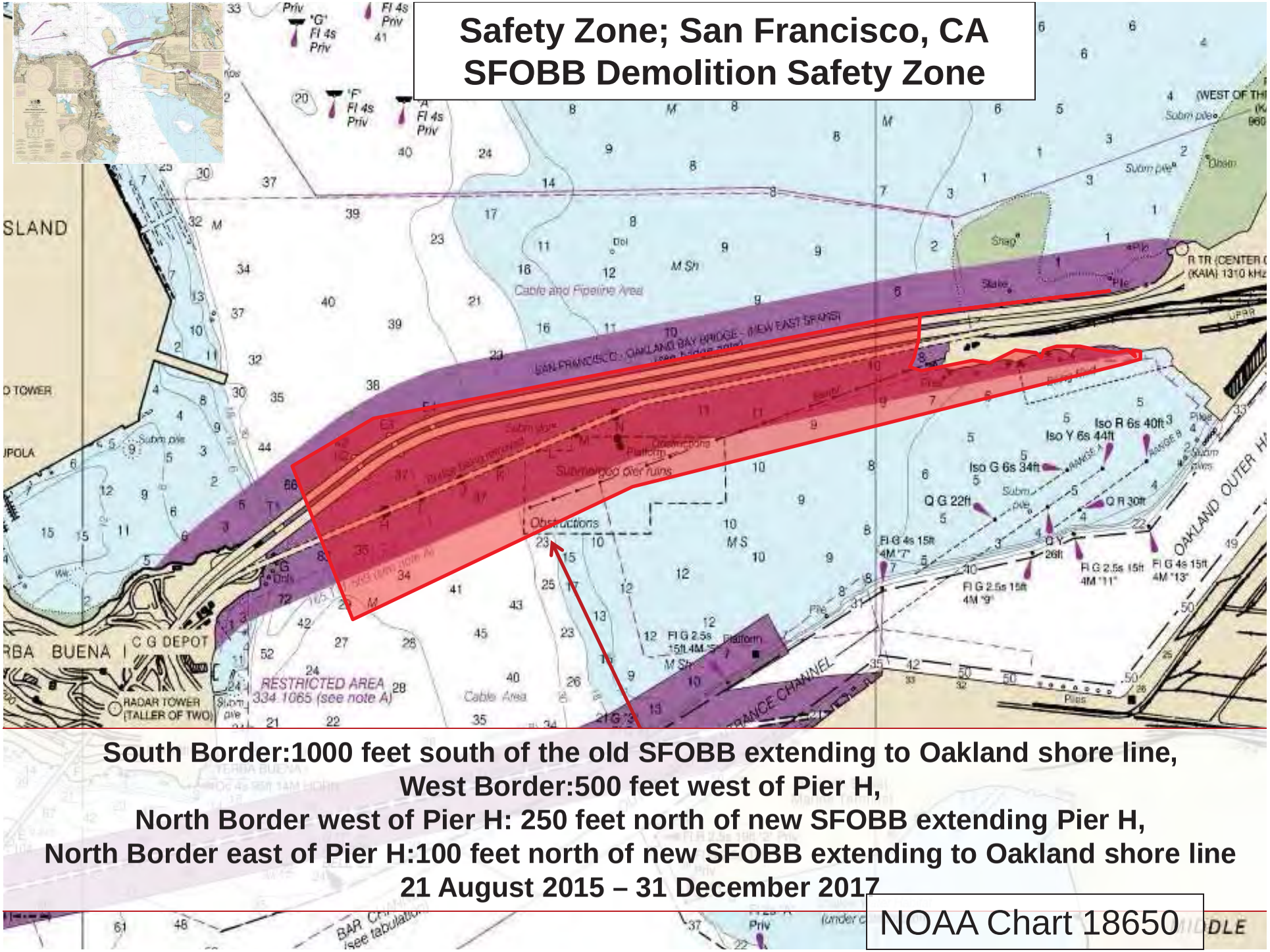
Persons and vessels are prohibited from entering into, departing from, transiting through, or anchoring within the designated area unless authorized by the Captain of the Port Los Angeles-Long Beach or her designated representatives.



Safety Zone; San Francisco, CA
SFOBB Demolition Safety Zone

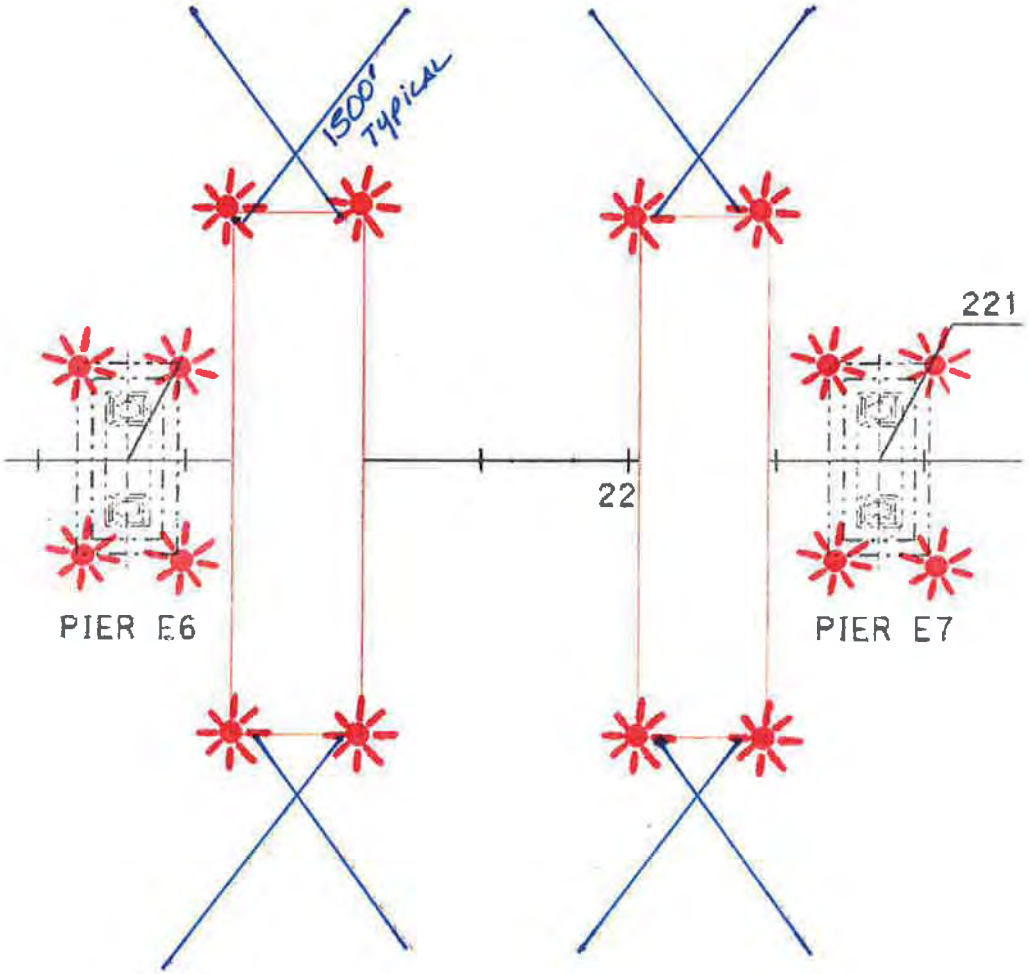


South Border:1000 feet south of the old SFOBB extending to Oakland shore line,
West Border:500 feet west of Pier H,
North Border west of Pier H: 250 feet north of new SFOBB extending Pier H,
North Border east of Pier H:100 feet north of new SFOBB extending to Oakland shore line
21 August 2015 – 31 December 2017

NOAA Chart 18650

Typical Barge Configuration - Eastern Span SFOBB, mile 8.9, San Francisco Bay

Two 250' X 72' barges, two 99' X 99' crane barges and a 133' X 46' ,material barge will be anchored and spudded underneath spans "I"-"J" (E4-E5), "J"-"K" (E5-E-6), "K"-"L" (E6-E7), "L"-"M" (E7-E8) , and "M"-"N" (E8-E9) at various times to facilitate removal of the spans. The barges will be lighted at night with steady burning red lights. A Coast Guard Captain of the Port Safety Zone is in effect in this work area. Mariners must receive permission from the COTP to enter the Safety Zone. Once the spans and its corresponding towers are removed, each corner of the exposed in-water remaining piers will be lighted at night with steady burning red lights.



Typical Barge Configuration - Eastern Span SFOBB, mile 8.9, San Francisco Bay

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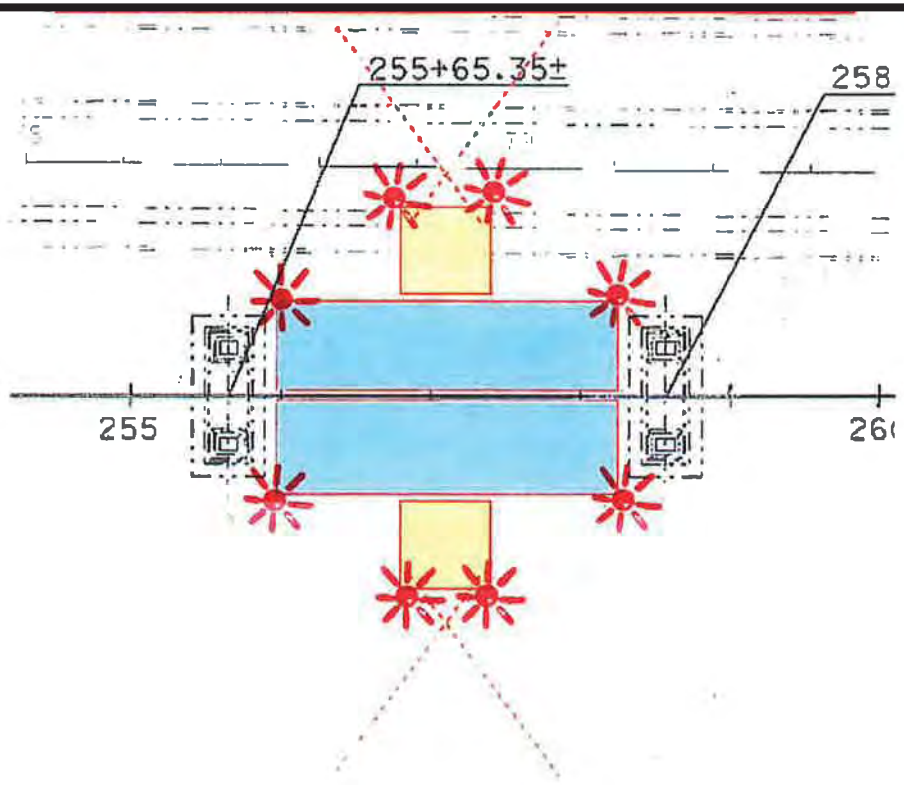

Typical Barge Configuration - Eastern Span SFOBB, mile 8.9, San Francisco Bay

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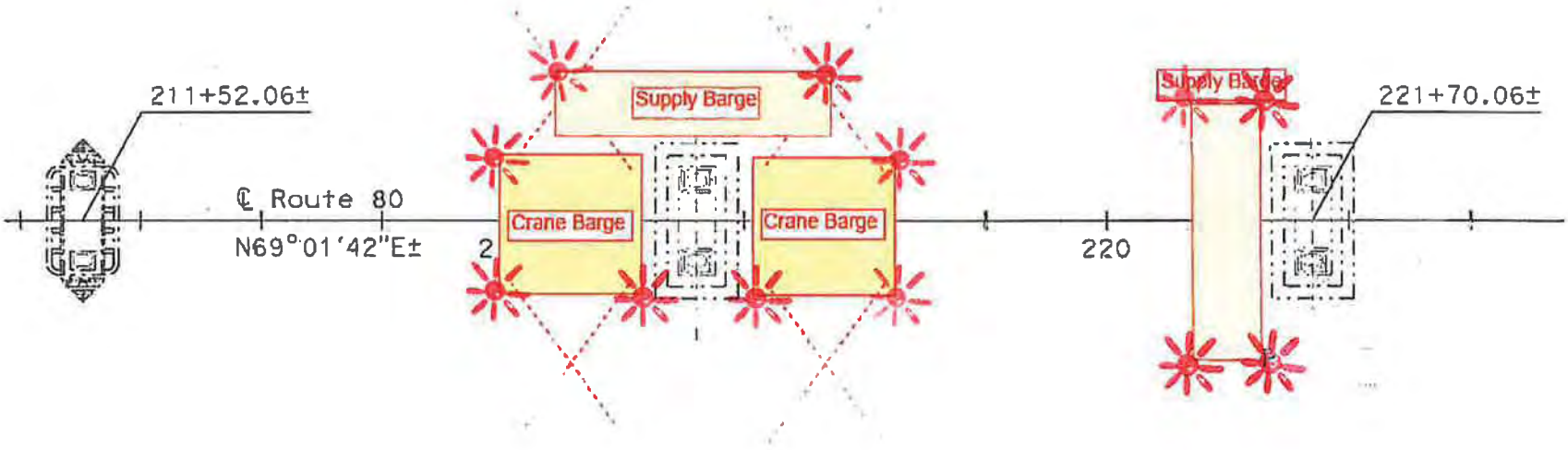
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