U.S. Department
of Homeland Security
United States
Coast Guard

LOCAL NOTICE TO MARINERS

District: 11 Week: 33/16

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-0016-16, SF-0138-16, LA-0123-16, and SD-0112-16 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.

BRIDGE INFORMATION- PROJECTS, DISCREPANCIES, CORRECTIONS & REGULATORY

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 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

MARINE SAFETY INFORMATION BULLETIN

It is strongly suggested that fishermen avoid placing crab pots within 500 yards of any navigational buoy, to allow servicing units to reach the aid. For more information contact Coast Guard District Eleven at D11lnm@uscg.mil or 510-437-2982.

LNM: 25/16

POINT ARGUELLO AND DANA POINT AREA-TSS SPEED REDUCTION

Vessels transiting the area between Point Arguello and Dana Point, including the Traffic Separation Schemes in the Santa Barbara Channel and San Pedro Channel, from June through November, should exercise caution and consider reducing speed. These areas contain populations of endangered blue, humpback and fin whales that are federally 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.).
NOAA strongly recommends that vessels 300 gross registered tons or larger transiting the Santa Barbara Channel Traffic Separation Scheme between Carrington Point, Santa Rosa Island and Diablo Point, Santa Cruz Island, do so at speeds not in excess of 10 kts due to endangered whales in the area (see SB Channel speed reduction zone.pdf).
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 and location, the number of whales, the species (if known) and a description of the animals. Please email whales@noaa.gov. You can also report whales through WhaleAlert, a free application available at http://westcoast.whalealert.org. For more details or comments contact Sean Hastings, sean.hastings@noaa.gov.

Chart 18720 LNM: 26/16

REDUCED NATIONWIDE DIFFERENTIAL GLOBAL POSITIONING SYSTEM

Over time, a number of factors have contributed to the declining public use of Nationwide Differential Global Positioning System (NDGPS), including lack of a carriage requirement, technological advances in GPS, and limited availability of consumer-grade DGPS receivers. In collaboration with the Department of Transportation and U.S. Army Corps of Engineers, the U.S. Coast Guard has finalized a Federal Register Notice (FRN) that reduces the number of Differential GPS sites throughout the country, while maintaining coverage in major maritime ports and waterways. The FRN and graphics depicting the changes to the system are accessible via the links below.

NDGPS Federal Register Notice published July 2016: https://www.federalregister.gov/articles/2016/07/05/2016-15886/nationwide-differential-global-positioning-system-ndgps

Graphic Depicting NDGPS After Site Reductions: http://www.navcen.uscg.gov/images/dgps/FRNDGPS.jpg

Graphic Depicting NDGPS Coverage After Site Reductions: http://www.navcen.uscg.gov/images/plots/NDGPS_Coverage_Aug2016_lg.jpg

List of DGPS Sites in D11 advertised for disestablishment in the Federal Register Notice:
Lompoc, CA Maritime
Austin, NV Inland
Bakersfield, CA Inland
Chico, CA Inland
Essex, CA Inland
Flagstaff, AZ Inland
Myton, UT Inland

LNM: 29/16

SAN FRANCISCO BAY-ENTRANCE TSS-SPEED REDUCTION

NOAA Sanctuaries request a voluntary Vessel Speed Reduction until 15 Nov 16 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-WHAL 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.

For more details or comments please contact Michael Carver at Michael.carver@noaa.gov

Chart 18645 LNM: 17/16

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 may occur at any time, 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	
510	NOAA Environmental Lighted Buoy 46006	ADRIFT	501	0013-13	02/13	
2280	Mission Bay North Jetty Light 1	MISSING	18765	SD-0005-16	05/16	
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	
3010	Long Beach Channel Approach Lighted Whistle Buoy LB	AIS INOP	18749	LA-0083-16	23/16	
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	
5480	Southampton Shoal Light	SS INOP	18653	SF-0073-16	17/16	
5895	Point Pinole Light P	DAYMK DMGD	18654	SF-0123-16	26/16	
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	
6630	New York Slough Light 7	LT EXT	18659	SF-0078-16	18/16	
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	
6865	San Joaquin River Light 47	TRLB/STRUCT DEST	18660	SF-0113-15	26/15	
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	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

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

None

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
20	Ocean Beach Pier Fog Sound Signal	SS INOP	18765	SD-0097-16	30/16	
2080	Coronado Cays Channel Daybeacon 5	MISSING	18773	SD-0087-16	29/16	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

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

None

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	
2426	Scripps Waverider Lighted Research Buoy 096	DISCONTINUED	18746		25/16	
3860	Morro Bay Channel Lighted Buoy 5	RELOCATED DUE TO SHOALING	18703	LA-0010-16	07/16	

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

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	
Corrective Action		Object of Corrective Action	Position

(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.

18680 32nd Ed. 01-MAY-13 Last LNM: 33/16 NAD 83 33/16

ChartTitle: **Point Sur to San Francisco**

Main Panel 1866 POINT SUR TO SAN FRANCISCO. Page/Side: N/A

CGD11

DELETE Terrace Point 1 MBARI Research Buoy." 36-56-39.000N 122-04-49.000W

18685 34th Ed. 01-SEP-12 Last LNM: 33/16 NAD 83 33/16

ChartTitle: **Monterey Bay;Monterey Harbor;Moss Landing Harbor;Santa Cruz Small Craft Harbor**

Main Panel 1868 MONTEREY BAY. Page/Side: N/A

CGD11

DELETE Terrace Point 1 MBARI Research Buoy." 36-56-39.000N 122-04-49.000W

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

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

The U.S. Coast Guard is planning 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 questionsor concerns to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18645 18649 LNM: 17/16

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)

POINT VICENTE-LED CONVERSION

The U.S. Coast Guard is proposing to change Point Vicente Light (LLNR 170) to an LED with a 14nm range. Direct any questions, comments, or feedback no later than 26 Aug 16 to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18020 18022 18740 18746 LNM: 30/16

SECTION VII - GENERAL

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

ANAHEIM BAY-CERRITOS CHANNEL-HWY 1 PCH BRIDGE-DIVE OPERATIONS

Caltrans will be conducting diving operations & bottom surveys upstream, downstream and under the PCH HWY 1 Bridge with a 2 person dive team and an inflatable sea kayak support vessel 1,000ft west of the bridge, during daylight hours, 18-19 Aug 16. The dive team will have "transect" guide lines for diving patterns in the water. Mariners are requested to transit the area with caution and contact Mary Ngo of Caltrans diving operations at 949-281-7590, in advance to make passing arrangements and to ensure diver safety.

Chart 18749 LNM: 31/16

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-WHAL (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

CHANNEL ISLANDS-RESEARCH BUOY DEPLOYMENT

Scripps Institute of Oceanography has established a lighted research buoy in the vicinity of Channel Islands at 34-05-52N 119-05-57W. The buoy is 4ft tall, painted yellow, and displays a Fl Y 4s characteristic. It will remain on station until October 2016. For more details or comments contact Lisa Hazard at 858-822-2873 or lhazard@ucsd.edu.

Chart 18720 LNM: 25/16

DELTA & RIVER-NAPA RIVER-VALLEJO- DREDGING

Salt River Construction is conducting dredging operations in Vallejo Marina at 38-06-31N 122-16-13W until 30 Nov 16. The self-contained dredge/dump barge DB1, DB2, and tug IRENE LAURITZEN will be on site monitoring 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.

Charts: 18652 18655 LNM: 32/16

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

ORWOOD RD BRIDGE REPLACEMENT- Construction of the replacement bridge is in progress. A temporary trestle has been installed just south of the existing bridge. 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_Diagram2.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.

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

Chart 18661 LNM: 25/15

DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

TOWER DRAWBRIDGE-The drawspan will be secured in the closed-to-navigation position from 0730-1000 on 20 Aug 16 to allow community participation in the FroYo 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.

A 45'X18' barge will be moored to the bridge outside the navigational channel between the piers and the embankment during soil drilling operations conducted by Caltrans until 30 Sep 16. This project will not affect the normal operation of the drawspan. For more details or comments contact the Coast Guard Project Manager at 510-437-3461.

Chart 18662 LNM: 32/16

DELTA & RIVERS-SACRAMENTO RIVER-SHERMAN ISLAND-MARINE CONSTRUCTION

Vortex Marine Construction Inc. will be conducting pile driving operations north of Sherman Island between 38-03-24N 121-46-46W and 38-04-36N 121-46-18W from 0700-1530 until 22 Aug 16. Derrick barge VANTAGE will be on site supported by deck barge CB-60 and tug LAGUNA. For more details and comments contact Eli Deahies at 401-714-1389.

Chart 18660 LNM: 31/16

DELTA & RIVERS-SAN JOAQUIN RIVER-DREDGING

Ross Island Sand & Gravel Co. will conduct maintenance dredging operations in Port of Stockton between 37-57-31N 121-19-26W and 37-57-16N 121-20-55W until 15 Sep 16. The dredged material will be placed at MO1 disposal placement site. Vessel DREDGE 8 will be on site monitoring VHF-FM Chan. 13, 16, and 79. Mariners are requested to transit the area with caution. For more details or comments contact Rod Oliva at 503-349-7436.

Chart 18661 LNM: 30/16

DELTA AND RIVERS-SAN JOAQUIN RIVER-PIPELINE REMOVAL AND DIVE OPERATIONS

CS Marine Contractors, Inc. will be conducting marine operations at San Joaquin River on the east side of the Antioch Bridge between 38-01-46N 121-44-57W and 38-01-12N 121-44-55W until 31 Oct 16. The operations consist of pipeline removal and diving operations. The derrick barge D/B MARE ISLAND will be onsite and will be tended by tug WESTAR. The derrick barge will be moored with four anchors in a four-point mooring system that will extend out as much as 500 feet from the corners of the derrick barge or be moored by its spuds. When moored on anchors, each of the four anchors will be marked by a 5 ft diameter steel spherical crown buoy painted white with a horizontal blue stripe. The buoys will be lighted at night with flashing white strobes. Mariners are requested to transit the area with caution and maintain a minimum safe distance of 500ft from the barge. D/B MARE ISLAND and WESTAR will be monitoring VHF-FM Chan. 14 and 16. For more Details or comments, contact Jeff Thompson at (707) 562-4100.

Chart 18661 LNM: 30/16

Dana Point-Marine Event

Ocean Institute will sponsor the Dana Point Tall Ship Festival in Dana Point from 09-11 Sep 16. The festival will include 8 tall sailing ships. The Parade of Sail will take place at 1630 on 09 Sep 16. The special local regulation pursuant to 33 CFR 100.1104 will be enforced during the parade beginning at the harbor entrance, westbound to buoy 2SJR, northbound to position 33-27-48N 117-45-48W, and then returning along same route. No vessels may approach within 100 yards of the parade participants. Mock cannon battles will take place from 1630 to 1930, 10-11Sep 16. The special local regulation pursuant to 33 CFR 100.1104 will be enforced during the mock cannon battles located outside Dana Point Harbor in an area between buoys 2 and 2SJR. Enforcement of these regulations will be advertised via Broadcast Notice to Mariners. During the events, mariners can contact PATCOM via VHF-Chan. 16 with any questions or concerns. For more details or comments Sector LA/LB Waterways Management at 310-521-3860.

Chart 18746 LNM: 33/16

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

LAKE TAHOE-CARNELIAN BAY-FIREWORKS DISPLAY

Monte Foundation will sponsor a fireworks display in Carnelian Bay, Lake Tahoe from 2030-2115, 04 Sep 16. Fireworks will be launched from two barges at 39-13-24N 120-04-53W. Mariners are requested to transit the area with caution. For more details or comments contact LTJG Christina Ramirez at 415-399-3585.

Chart 18665 LNM: 32/16

LAKE TAHOE-FIREWORKS DISPLAY

Tahoe Douglas Visitors Authority will sponsor a Labor Day pyrotechnics event involving 2 barges conducting a pyrotechnics display near South Lake Tahoe in Lake Tahoe at 38-58-13N 119-57-16W from 2100 to 2240 on 04 Sep 16. Mariners are requested to transit the area with caution. For more details or comments contact LTJG Christina Ramirez at 415-399-3585.

Chart 18665 LNM: 32/16

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

LONG BEACH-ANAHEIM BAY-TEMPORARY BUOY

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-HUNTINGTON BEACH-PIPELINE MAINTENANCE

Aqueos Corporation will be conducting underwater pipeline maintenance off of Huntington Beach between platforms Elly and Eureka until 09 Sep 16. The operation will include M/V CLEAN OCEAN being in a 4-point mooring while conducting remote operated vehicle operations. The M/V CLEAN OCEAN will monitor VHF-FM Chan. 16 and via cell at 805-895-9005. Mariners are requested to transit the area with caution. For more details or comments contact Jason Smith at 805-205-3156.

Chart 18746 LNM: 32/16

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 30 Aug 17. 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.

Chart 18751 LNM: 11/16

LONG BEACH-MARINE CONSTRUCTION

Connolly-Pacific Co. will conduct repairs to the Middle / Long Beach federal breakwater Mon-Fri during daylight hours until 15 Dec 16. 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-MIDDLE HARBOR-MARINE CONSTRUCTION

Manson Construction Company is conducting continuous filling operations until September 2017, in the 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 and JEFFREY 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 or dylan.porter@polb.com.

Charts: 18749 18751 LNM: 12/16

LONG BEACH-NEWPORT BAY-GRAND CANAL-BRIDGE

PARK AVE BRIDGE REPLACEMENT–The City of Newport Beach's contractor, John S. Meek Company Inc., is replacing the Park Ave Bridge over Grand Canal. Construction is anticipated to be completed by 31 Jan 17. A temporary bridge has been 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

LONG BEACH-PIPELINE OPERATIONS

Tesoro Logistics Inc. will be conducting pipeline operations at the North and South Cerritos Channel Crossing at 33-36-05N 118-13-33W until 31 Aug 16. The operation consists of recoating lines and clamp removal for repairs. Mariners are requested to transit the area with caution. For more details or comments contact John Strong at 818-751-3990.

Charts: 18740 18746 LNM: 28/16

LOS ANGELES-FENDER REMOVAL

Manson Construction Company will conduct demolition operations in the Port of Los Angeles, Berth 214-217 until 03 Feb 17. Operations will consist of removal of plastic fender pile and drive steel sheet pile at Yusen Terminals. Derrick barge NORSEMAN and tug PUP will be on site monitoring VHF-FM Chan. 16 and 66. For more details or comments contact Project Manager Randy Maddox 206-303-7186.

Chart 18749 LNM: 30/16

LOS ANGELES-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

LOS ANGELES-MARINA DEL REY-SHOALING

LOS ANGELES-MARINA DEL REY-SHOALING

Shoaling has been reported in Marina Del Rey Harbor in vicinity of the head of the North Jetty at 33-57-45N 118-27-45W. Mariners are requested to transit the area with caution.

Chart 18744 LNM: 30/16

LOS ANGELES-SEAL BEACH-MARINE CONSTRUCTION

Connolly-Pacific Co. will conduct repairs to Seal Beach Jetty breakwater 0600-1730, Mon-Fri until 30 Sep 16. 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 be anchored inside the jetty 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

MONTEREY BAY-WATER QUALITY SURVEY

Kinnetic Laboratories in conjunction with Central Coast Long-term Environmental Assessment Network (CCLEAN) has deployed two water-quality samplers in Monterey Bay at 36-53-20N 121-55-30W and 36-42-40N 121-54-40W until 01 Oct 16. The samplers are 1 meter below the surface and are marked by white buoys, with two horizontal orange stripes, with a warning label, and Fl Y 15/min. Mariners are requested to transit the area with caution and remain 400ft away from the buoys. For more details or comments contact Greg Cotten at 831-239-6192 or Jon Toal at 831-457-3950.

Chart 18685 LNM: 33/16

MONTEREY-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 35-07-14N 122-58-35W and 36-41-27N 122-58-35W until 19 Aug 16. The Wave Glider is designed to conduct scientific data collection operations. The wave glider 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 is designed to give way or part if encountered by a vessel. The vehicle is approximately 6.5ft x 2ft (surfboard size), yellow in color, and has 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: 25/16

NEWPORT BAY-TEMPORARY MOORING BUOY

A 5ft diameter temporary mooring buoy has been established for M/V INVICTUS in Newport Bay at 33-37-02.64N 117-55-28.20W. The buoy will remain in position until approximately 26 Sep 16. For more details or comments contact David Nutkins at 323-533-1314.

Chart 18754 LNM: 31/16

NEWPORT BEACH-TEMPORARY ANCHORAGE

The city of Newport Beach will be installing a temporary anchorage in the western-most part of Newport Harbor near Lido Marina Village. The temporary anchorage will be in effect until 15 Sep 16 and is marked by four small, unlit buoys in the following coordinates:

33-37-07N 117-55-35W
33-37-08N 117-55-34W
33-37-05N 117-55-28W
33-37-01N 117-55-31W

Vessels will be permitted to anchor for short periods of time and the anchorage will be administered by the harbor patrol at 949-723-1002. For more details or comments contact Chris Miller at 949-644-3043.

Chart 18754 LNM: 23/16

NORTHERN CALIFORNIA–HUMBOLDT BAY-WAVERIDER BUOY DEPLOYED

Scripps Institutions of Oceanography has deployed a waverider buoy 9nm northwest of Humboldt Bay at 40-53.76N 124-21.42W. The buoy is a 3ft diameter sphere with an attached telemetry whip antenna and is lighted with a flashing yellow light. The light timing sequence is a series of 5 flashes at 1 second intervals with a period of 20 seconds between each series. Visual range is one kilometer. The buoy is painted yellow and marked "Wave Buoy" with the phone number 858-534-3032.

Chart 18620 LNM: 22/16

OAKLAND INNER HARBOR-LAKE MERRITT CHANNEL-BRIDGE

EMBARCADERO RD BRIDGE REPLACEMENT-Bridge replacement construction activities are now in progress, Monday through Friday, 0700 to 1700, through 31 May 2018. Dry cofferdams will be installed to facilitate removal of the existing bridge and construction of the replacement bridge. The contractor will use 3 to 4, 3 foot X 7.5 foot X 30 foot, flexi-float barges during the demolition of the eastern pier (see enclosure Embarcadero_Flexi_Float_Lighting.pdf at the end of this notice). A 66 foot horizontal clearance for vessels will be maintained during construction. Mariners are urged to use caution when transiting the work site. For on-site conditions mariners can contact the contractor at 707-310-0631. After hours mariners can contact the City of Oakland at 510-615-5566. For further information contact the Coast Guard Bridge Office at 510-347-3515.

Chart 18649 LNM: 20/16

OCEANSIDE-DREDGING

CJW Construction Inc. will be conducting dredging operations within Oceanside Harbor and the entrance channel at 33-12-26N 117-24-06W until 30 Sep 16. Dredge SANDCAT will be monitoring VHF-FM Chan. 78. Mariners are requested to transit the area with caution. For more details or comments contact Mike Munyon at 714-719-2944.

OCEANSIDE-DREDGING

Chart 18758 LNM: 32/16

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

PORT HUENEME-ATMOSPHERIC SURVEY

Naval Air Systems Command deployed a atmospheric survey mooring buoy at 34-05-52N 119-05-57W, it will remain until 31 Oct 16. The Mooring Buoy is yellow in color with a flashing yellow light FL Y 4s. Mariners are requested to transit the area with caution. For more details contact Robi Garcia at 805-989-5040 roberto.m.garcia@navy.mil.

Chart 18724 LNM: 23/16

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

REPLACEMENT SCHUYLER HEIM BRIDGE CONSTRUCTION - Caltrans has installed turbidity curtains around the in-water piers in during pier removal over the next several months. The curtains lining the navigational channel through the trestles will be on the outside of the channel, behind the trestle wall, away from passing vessels. Vessel prop wash should be controlled to avoid damaging the turbidity curtains. Divers will be used to check the curtains as well as other work associated with bridge removal. Divers will be supported by dive vessels and support crews. The dive vessel will be on scene, out of the channel, during daylight hours, Mon-Sat, and moored off site when not in use. The dive vessel will monitor VHF-FM channel 13, 16, and 80A. The dive company, American Marine Corporation, will notify the Coast Guard Sector Los Angeles - Long Beach Command Center prior to deploying divers, if divers relocate, and upon conclusion of daily dive operations. The Coast Guard will issue a Broadcast Notice to Mariners during dive operations. Vessels needing to transit in the vicinity of dive operations are requested to contact AMERICAN MARINE DIVE VESSEL via marine radio at least 30 minutes prior to transiting the area to ensure diver safety. Mariners may contact USCG Sector LA/LB Command Center at 310-521-3805 for diving operation status. 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

SACRAMENTO RIVER-REDUCED VERTICAL CLEARANCE

Overhead power cables upstream of Sacramento River lights 11 and 12 at 38-03-54N 121-47-09W have a reported reduced vertical clearance of 120.7 feet.

Chart 18660 LNM: 22/16

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, 15-17, and 18-19, 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. RACON "T" (LLNR 1859) has been removed from the West Navigational Channel Span and temporarily not in service until 08 Dec 16. For more details or comments contact the Coast Guard Project Manager at 510-437-3461.

Charts: 18772 18773 LNM: 21/14

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-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

SAN DIEGO-DEL MAR-LOS PEÑASQUITOS LAGOON-BRIDGE

Project Manager at 510-437-3515.

Chart 18765 LNM: 31/15

SAN DIEGO-DIVING OPERATIONS

The U.S. Navy Undersea Rescue Command (URC) will be conducting diving operations from 25 Aug 16 through 30 Sep 16 at the following positions:

32-23-27N 118-20-01W
32-41-01N 117-16-24W
32-51-57N 117-26-36W
32-35-00N 117-19-30W

The HOS DOMINATOR will be on scene monitoring VHF-FM Chan.16. Mariners are requested to transit the area with caution and directed to maintain a minimum safe distance of 1nm from the dive site, due to risk of entanglement. For more details or comments contact LT Charles Kreuzberger at 619-545-9188.

Chart 18772 LNM: 33/16

SAN DIEGO-FIREWORKS

Fireworks America will sponsor the San Diego Symphony Summer Pops fireworks displays at 32-42-16N 117-09-59W from 2100-2200 on the following dates:

20 Aug 16
26-27 Aug 16
01-04 Sep 16

There will be a tug and barge combination located off of South Embarcadero Marina Park. A 400 foot radius safety zone, encompassing all navigable waters around the barge will be enforced. Mariners are requested to transit the area with caution and avoid the safety zone. For more details or comments contact Ms. Britney Cutler at 619-938-8277.

Chart 18773 LNM: 25/16

SAN DIEGO-HAZARDOUS OPERATIONS

The U.S. Navy will conduct continuous hazardous operations daily until 31 Aug 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: 31/16

SAN DIEGO-MISSION BAY-MARINE EVENT

Thunderboats Unlimited, Inc will sponsor the San Diego Bayfair 2016 racing event in Mission Bay from 0700-1800, 16-18 Sep 16.There will be approximately 100 race boats involved and 50 course control and emergency vessels. There are usually 250+ spectator boats and thousands of land spectators. De Anza launch ramp will be closed, but the Cove water area will remain open to the public and there will be escorts available during intermissions, from Fisherman's Channel to De Anza Cove as the race schedule permits. A special local regulation has been established encompassing the navigable waters of Mission Bay to include Fiesta Island, the east side of Vacation Isle, and Crown Point Shores. Mariners will be prohibited from transiting through the special local regulation during this event. For more details or comments contact Mr. Bob Davies at 858-578-7454, or during the event contact COURSE CONTROL on VHF-FM Chan. 66.

Chart 18765 LNM: 30/16

SAN DIEGO-NASSCO BERTH 4-MARINE CONSTRUCTION

General Dynamics NASSCO will be conducting marine construction at NASSCO Berth 4 in San Diego Bay from 0700-1530 until 26 Aug 16. The operation consists of pile replacement and pile driving for Berth 4. Crane barge RES 150 will be monitoring VHF/FM Chan. 13. Mariners are requested to transit the area with caution. For more details or comments contact Walt Jellison at 619-571-1050.

Chart 18773 LNM: 29/16

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-SHIP LAUNCHING

A new tanker ship will be launched from the NASSCO Shipyard on the evening of 27 Aug 16. This activity will impact the San Diego Channel in the vicinity of Buoy 26 from 1645-1815. The ship is scheduled to move into the channel from the shipyard at 1715 and then be towed back to a NASSCO berth. During a subsequent re-berthing, the ship may once again briefly intrude into the channel. Mariners are requested to transit the area with caution and to obey any directions given by assigned patrol craft. For more details or comments contact Mr. Vincent Magers at 619-572-4618.

Chart 18773

SAN DIEGO-SHIP LAUNCHING

LNM: 33/16

SAN DIEGO-UNMANNED VEHICLE OPERATIONS AND MOORING INSTALLATION

The US Navy will be conducting unmanned surface vehicle (USV) and unmanned undersea vehicle (UUV) operations approximately 3nm west of Imperial Beach Pier at 32-35N 117-11W until 26 Aug 16. Operations will be conducted from a Navy RHIB. The RHIB will install a temporary subsurface mooring at 32-35-00N 117-11-33W at a depth of 90ft. The top of the mooring will be at a depth of 40ft. The subsea mooring and unmanned vehicles will be installed daily after sunrise and removed daily before sunset. During these operations the RHIB and unmanned vehicle 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 unmanned vehicle. For more details or comments contact Mark Gillcrist at 619- 203-1348.

Chart 18765 LNM: 32/16

SAN FRANCISCO BAY- MARINE CONTRUCTION

Manson Construction Co. will conduct marine construction at the San Francisco Structure and Ferry Plaza Deck from 24 Aug 16 through 20 May 17. Derrick barge EINAR will be on scene monitoring VHF/FM Chan. 13, 16, and 68. 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 Project Manager Terry Hammerwold at 510-773-6963.

Chart 18649 LNM: 32/16

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 the western shore to the second pier west of the main channel span and from the 2nd pier east of the main channel span to the eastern start of the high rise, 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. RACON M at the center of the main ship channel is inoperative. (See San Mateo Lighting Plan in the enclosure section). The main navigation span of the bridge 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-BRIDGE

RICHMOND-SAN RAFAEL BRIDGE-Caltrans will be conducting dive operations on various piers from 0900-1500 on 22-26 Aug 16. The dive vessel, OFFICIAL BUSINESS, is a 10 foot X 33 foot aluminum landing craft. The diver's breathing gas hose may be on or near the surface and there is heavy equipment on the vessels' deck. All mariners are requested to contact the vessel OFFICIAL BUSINESS on VHF-FM CH 16 or by cell at 916-343-6731, at least 30 minutes prior to transiting the bridge dive site. 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 18649 LNM: 29/16

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 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-DREDGING

Dutra Construction Company will be conducting continuous dredging operations in Oakland Inner and Outer Harbor Channels until 30 Nov 16. Dredged material will be disposed of at the Montezuma Wetlands Restoration Site. Clamshell dredge DB 24 along with tugs SARAH REED, ARTHUR BRUSCO, HEIDI L. BRUSCO and BECKY T will be on site monitoring VHF-FM Chan. 13, 14, and 82. Mariners are requested to transit the area with caution. For more details or comments contact Dredge Operations Manager Dennis Salyers at 415-497-5289.

Chart 18649 LNM: 30/16

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-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-SAN RAFAEL BAY-DREDGING

Salt River Construction Corporation will be conducting dredging operations in the Larkspur Creek Channel, in position 37-56.43N 122-31.12W, until 15 Sep 16. Self contained dredge, DB1 and dump barge Irene Lauritzen (call sign WYN154) will be monitoring VHF-FM Chan. 13,14 and 77. A temporary anchor buoy will be placed at 37-56.3N 122-28.52W for a dump scow. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-543-1024.

Chart 18653 LNM: 22/16

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 "G" - "H" 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 250ft X 72ft X 15ft barges, two 99ft X 99ft crane barges, and a 133ft X 46ft material barge, spudded and anchored beneath the structure. Typical anchor lines will extend from each corner of the barges out 1500ft. 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)

Beginning 01 Jul 2016 Caltrans will begin the process of removing piers "I" and "J". Typical in-water equipment to be utilized are a 140ft X 70ft anchored crane barge with 700ft anchor wires on the NW, NE, SW, and SE corners of the barges and a 200ft X 60ft spudded flat deck barge beside the crane barge. At night, each corner of each barge and each corner of each exposed pier will be lighted at night with steady burning all-round red lights. (See Pier-Barge_LightingPlan.pdf in the 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.

Chart 18650 LNM: 43/08

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-DESALINATION INTAKE STRUCTURE MAINTENANCE

Dudek Inc. will be conducting dive operations and maintenance at Charles Myers Desalination Facility Offshore Intake Structure in Santa Barbara at 34-24-28N 119-40-46W until 26 Aug 16. See Santa Barbara-Desalination Intake Maintenance.pdf. in the enclosure section. M/V DANNY C, D.B. SAN DIEGO, A.N. TILLET, AND OUTRAGE will be monitoring VHF/FM Chan. 7, 16. Mariners are requested to transit the area with caution. For more details or comments contact John Davis at 805-252-7996 or jdavis@dudek.com.

Charts: 18720 18721 LNM: 29/16

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.

Chart 18685 LNM: 50/15

SAUSALITO-BLUE WATER HARBOR-DREDGING

Salt River Construction Corporation will be conducting dredging operations in Sausalito, at 37-51-49N 122-29-33W until 30 Aug 16. Self contained dump barge, ARROW POINT, LONG POINT, PC-1000, MINK CRANE, HAYDEN BAY TUG and SARAH C will be monitoring 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: 30/16

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	
181	*NOAA Environmental Lighted Buoy 46025*	33-46-01.690N 119-03-10.015W	Fl (4)Y 20s			Yellow disc-shaped buoy.	Aid maintained by National Oceanic and Atmospheric Administration.	33/16
3620	*Port Hueneme Channel Lighted Buoy 5*	* 34-08-44.294N 119-12-44.347W	Fl G 4s		4	Green.		33/16
3625	*Port Hueneme Channel Lighted Buoy 6*	* 34-08-42.332N 119-12-41.202W	Fl R 4s		4	Red.		33/16
4120	*Terrace Point 1 MBARI Research Buoy*	*					Remove from list.	33/16
8440	Lake Tahoe Buoy I	39-10-31.996N 120-06-52.839W *				White can with orange bands.	*	33/16

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_Diagram2.pdf

See Link Above

LNM: 25/15

SAN CLEMENTE ISLAND SAFETY ZONE

MSSB 04-15 SCI Safety Zone.pdf

See link above.

LNM: 39/15

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

Trestle_Lighting_Heim.pdf Pier_Removal_Plan_Drawing.pdf

See Link Above

LNM: 45/11

MARINE SAFETY INFORMATION BULLETION

MSIB 15-07.pdf
See link above.

LNM: 47/15

SANTA BARBARA-DESALINATION STRUCTURE MAINTENANCE

Desalination intake maintenance.pdf
See link above.

LNM: 29/16

SAN FRANCISCO BAY-BRIDGE-SAN MATEO/HAYWARD BRIDGE

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

LNM: 11/16

NEWPORT BAY-GRAND CANAL-BRIDGE

SafetyZoneGrandCanal.pdf
See link above for safety zone.

LNM: 13/16

SAN FRANCISCO BAY-ENTRANCE TSS-SPEED REDUCTION

2016 Speed Reduction Zone.pdf
See link above.

LNM: 17/16

WHALE ADVISORY AND VESSEL SPEED REDUCTION ZONE

SB Channel Speed Reduction Zone.pdf
See link above.

LNM: 26/16

OAKLAND INNER HARBOR-LAKE MERRITT CHANNEL-BRIDGE

Embarcadero_Flexi _Float_Lighting.pdf
See Link Above.

LNM: 20/16

SAN FRANCISCO-OAKLAND BAY BRIDGE (EAST OF YBI)

2015-2017_East_SFOBB_SafetyZone.pdf Barge_Lighting_504RemovalSFOBB.pdf Pier-Barge_LightingPlan.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/.

N.J. Shuntich
U.S. Coast Guard
Acting 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 _____

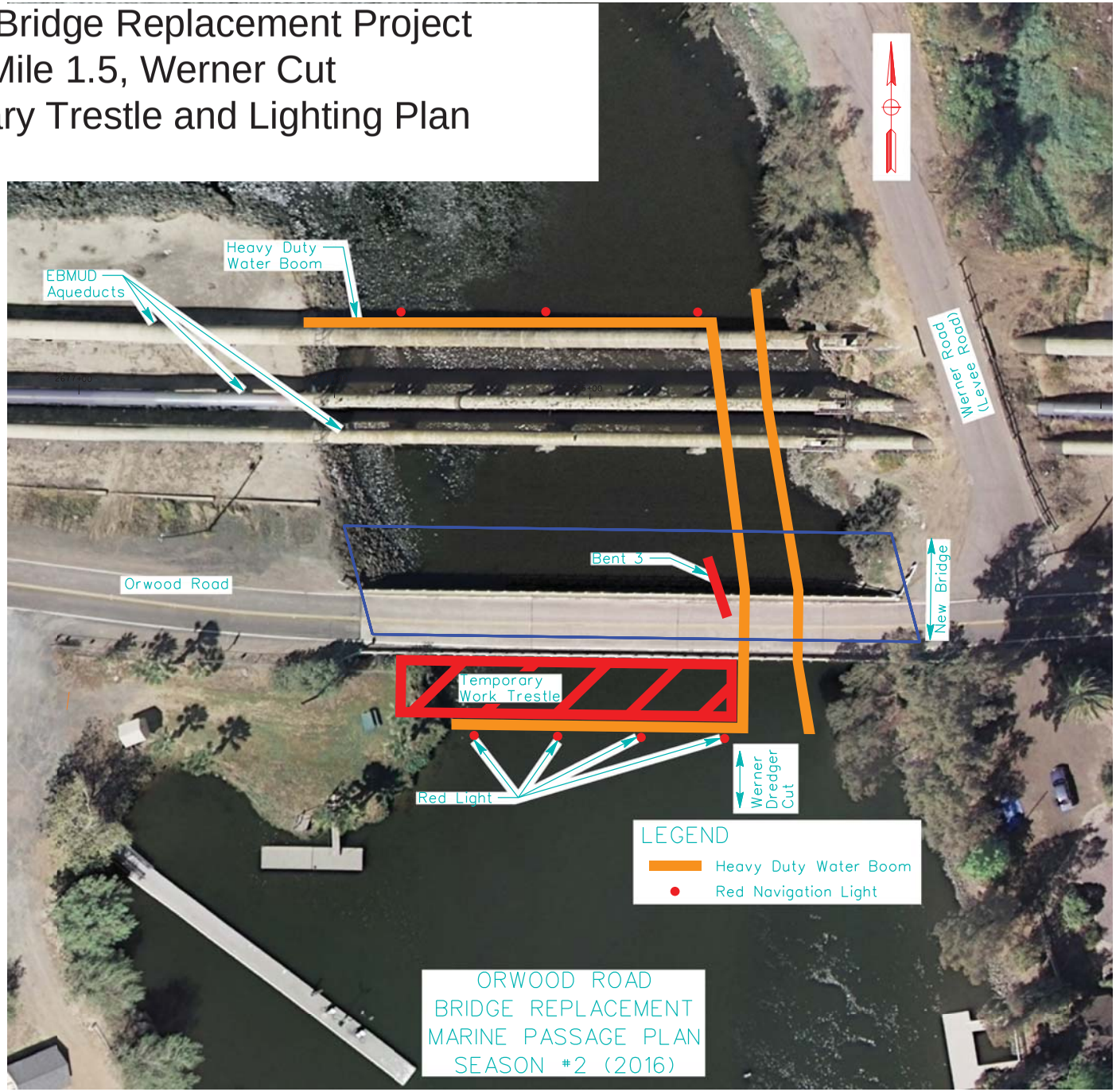
Telephone _____

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

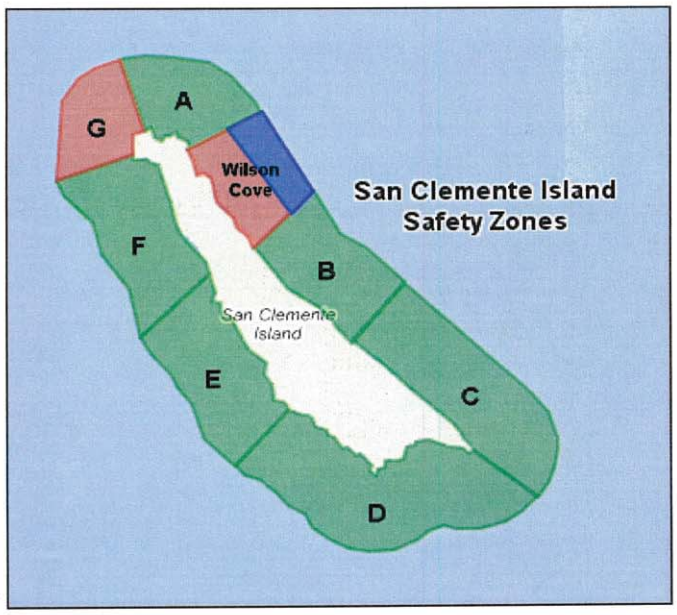


Maritime Safety and Security Bulletin: 04-15

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.

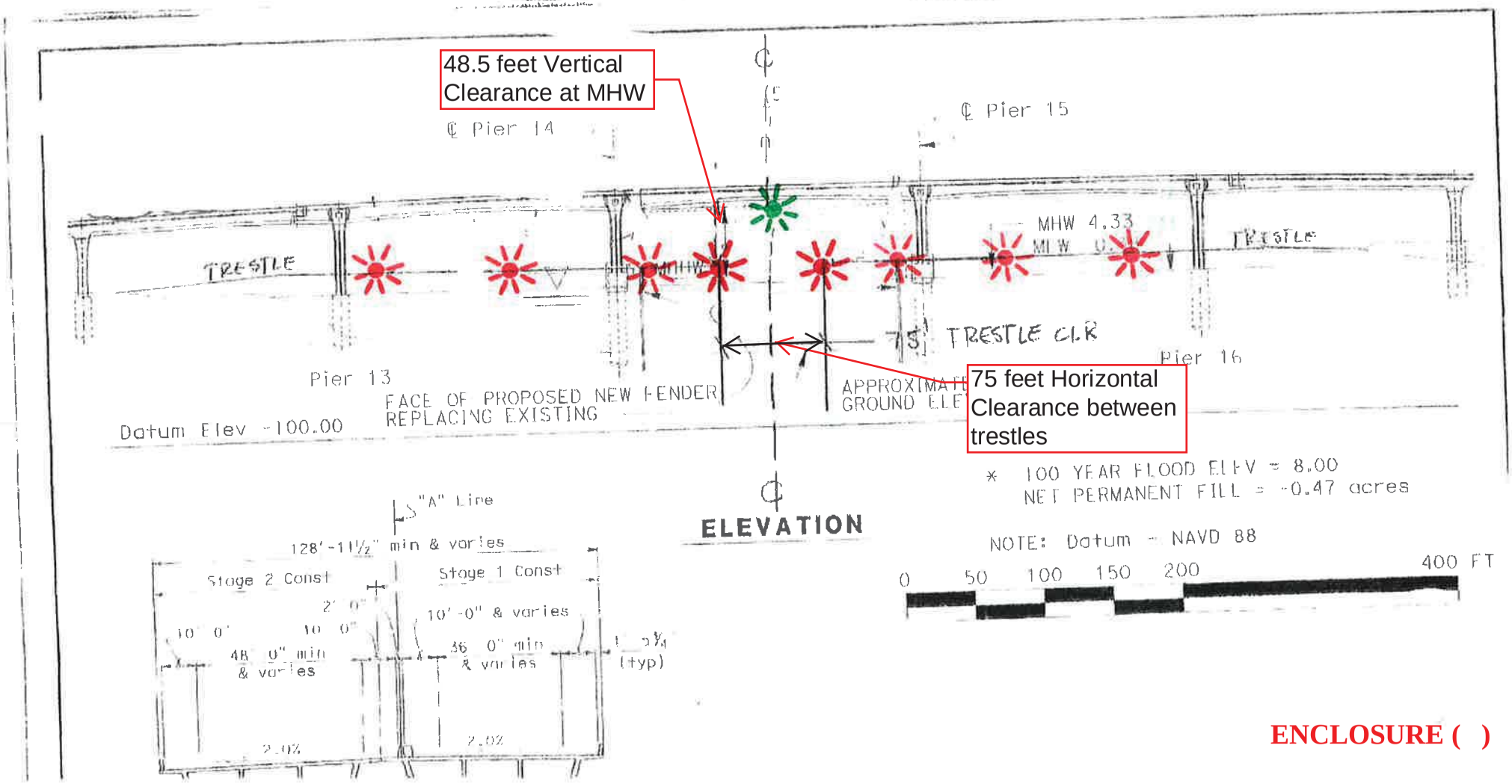
CAPT, USCG

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

Replacement Schuyler Heim Bridge Project

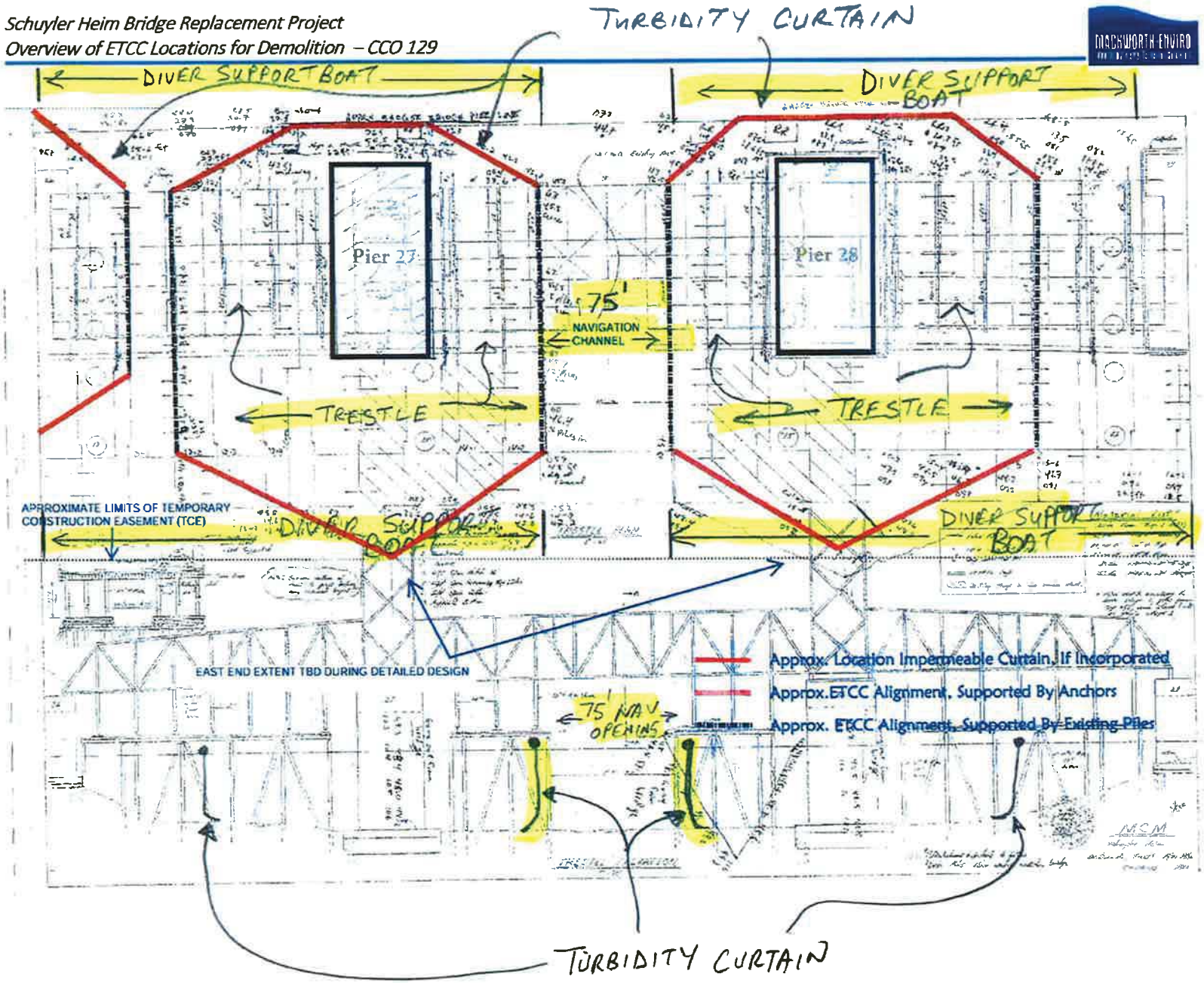
Temporary Lighting Diagram during Construction

The temporary trestles provide 75 feet of horizontal clearance and 48.5 feet of vertical clearance from Mean High Water to the lowest hittable portion of the bridge between the trestles.
The upstream and downstream trestles are lighted at night with steady burning all-round red lights. The center of the navigation span, between piers 14 and 15, is marked at night with all-round steady burning green lights.



ENCLOSURE ( )

Schuyler Heim Bridge Replacement Project
Overview of ETCC Locations for Demolition – CCO 129



* DIVERS IN/AROUND TURBIDITY CURTAIN AS NEEDED; SUPPORT BOAT ADJACENT TO TRESTLE, W/O WORKING IN NAVIGATION OPENING
* NO AFTER-HOURS MOORING DUE TO JOB SECURITY CONCERNS

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

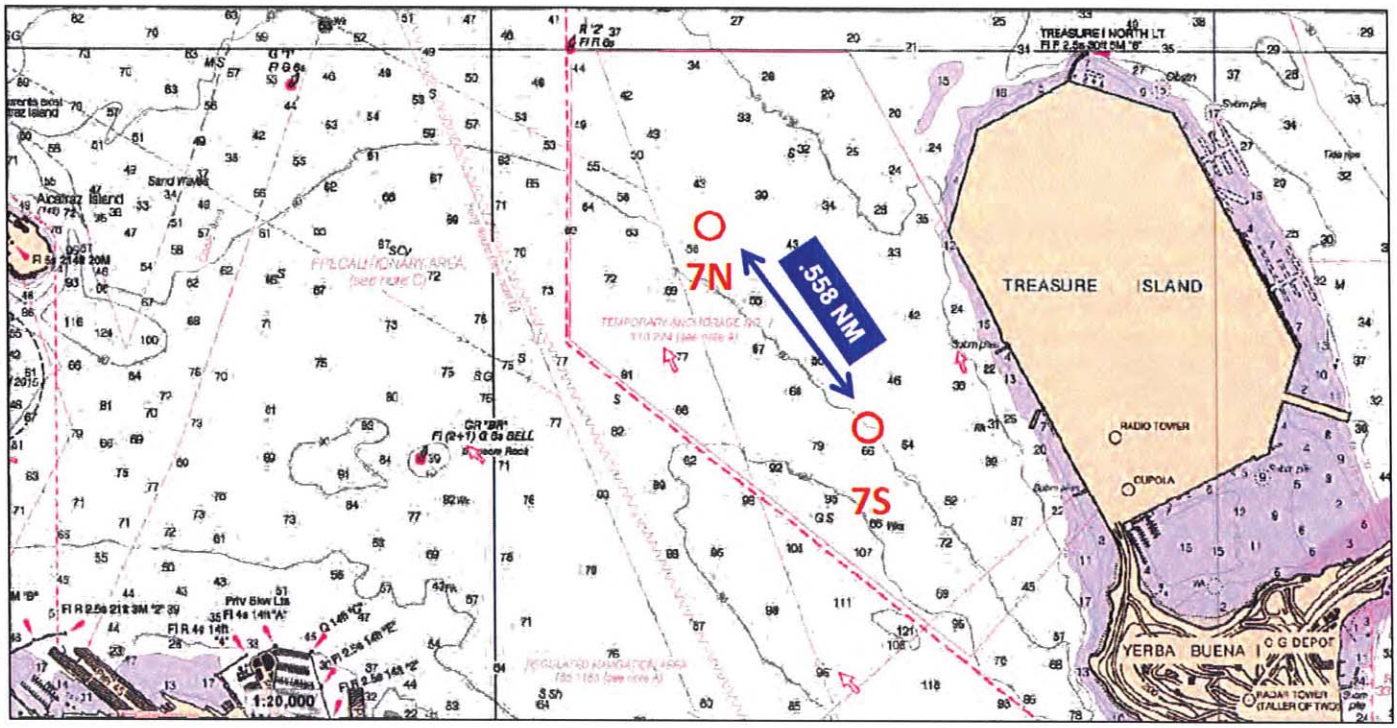
	ANCHORAGE 8A* BERTH COORDINATES	
	COORDINATES INDICATE CENTER OF .05NM (100YD) DIAMETER DROP BUCKET	
Berth	Latitude	Longitude
8A	37° 47.050'N	122° 21.725'W

*Anchorage 8A exists only when activated by VTS.

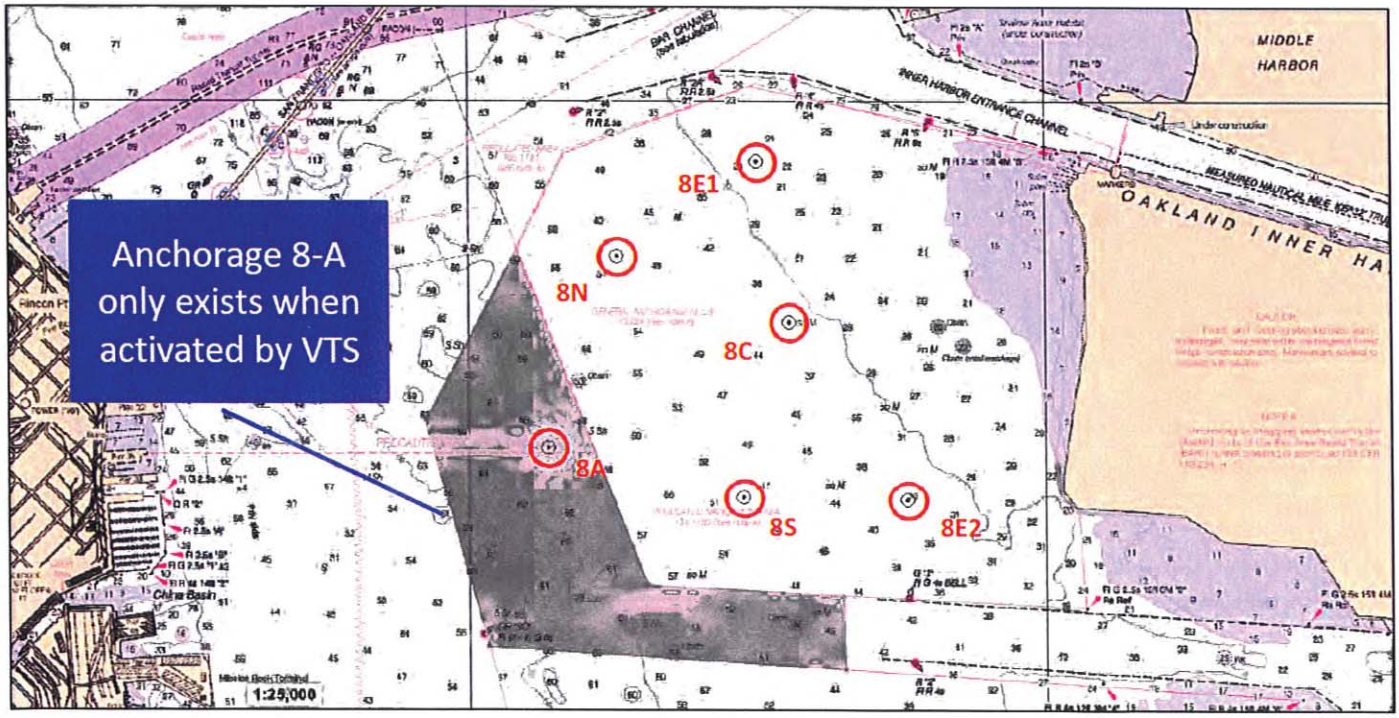
All existing regulations governing the use of these anchorages remain in effect. Vessels using these anchorages should strive to let go their anchor in the center of the drop bucket. For additional information please contact Sean Kelley, Sector San Francisco VTS Director (415) 399-7402.

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



Project Location

The locations of the various components of the Project area consist of the offshore project area, intake structures and anchoring locations located within approximately -35 feet (ft.) Mean Lower Low Water (MLLW), and a Beach Weir Box on East Beach in Santa Barbara, California. The existing offshore portions of the project area are located seaward of East Beach and southeast of the terminus of Stearns Wharf in the city of Santa Barbara (Figure 1).The main desalination facility plant is located at 525 East Yanonali Street in Santa Barbara, Santa Barbara County, California. All project components are in Sections 17 and 23 of Township 4 North, Range 27 West, of the Santa Barbara U.S. Geological Service (USGS) 7.5 foot topographic quadrangle.

Project Description

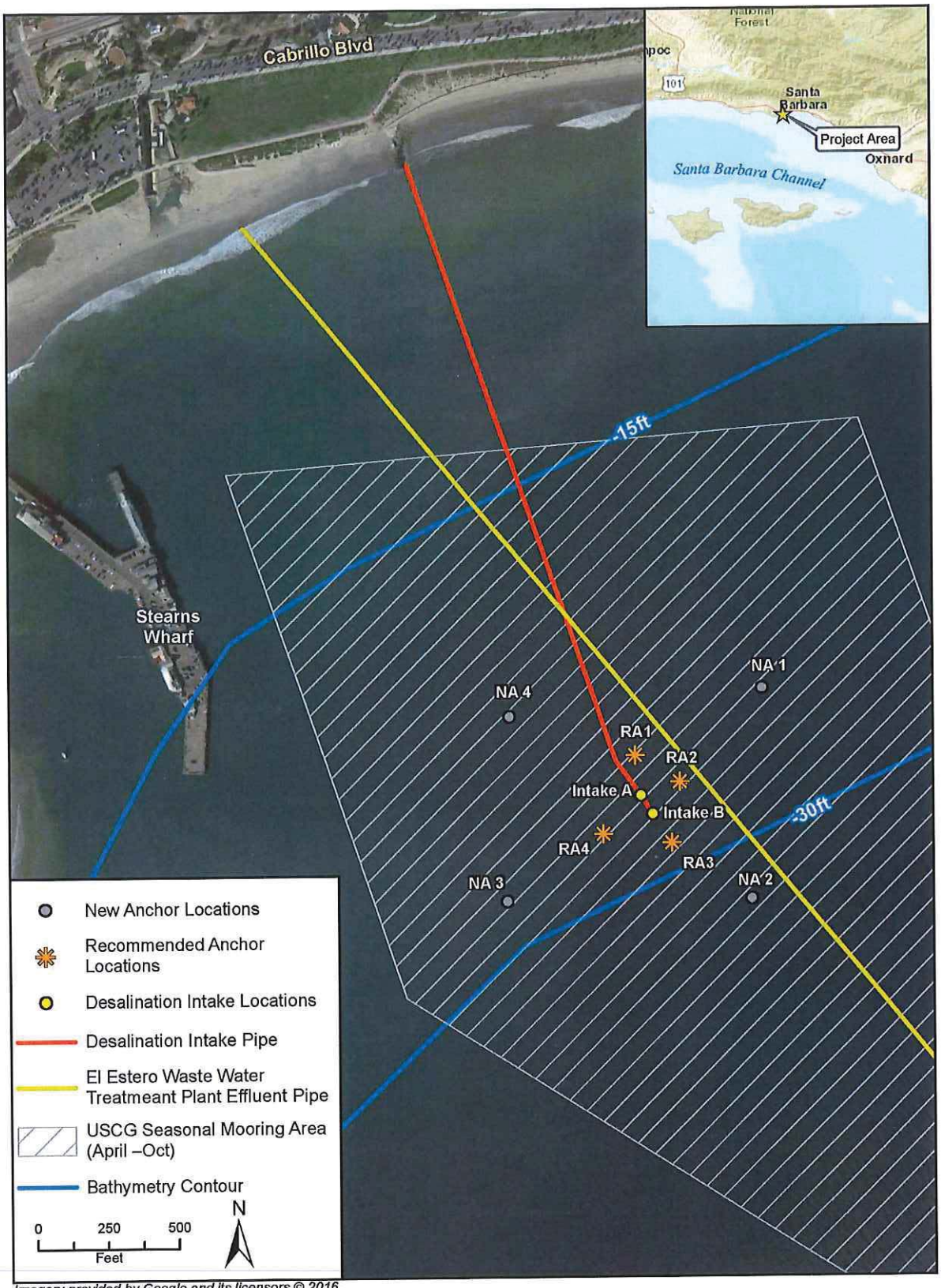
The ocean intake consists of two offshore concrete structures designed and installed with intake pumps, check valves, and intake screens. Each intake structure is concrete with a 5.7 by 5.7 meter (m) (18.83 by 18.83 ft.) footprint. The concrete intake structures were constructed with removable 20-inch high density polyethylene (HDPE) spools that connected the structures to a single 36-inch diameter HDPE pipe. The 20-inch spools were removed when the plant was placed into long-term storage. The 36-inch HDPE piping remained on the surface of the sea floor until it was transitioned to an abandoned 42-inch diameter reinforced concrete outfall pipe (RCP) that was slip-lined with the 36-inch diameter HPDE intake pipe when the intake was originally constructed in 1992. A junction box is located at the interface where the 36-inch HDPE piping transitions to the 42-inch diameter RCP. The junction box also serves as the central location in which the 20-inch spools for each of the intakes integrate into the 36-inch diameter HDPE intake pipeline. The 36-inch diameter HDPE intake pipeline continues inside the 42-inch RCP abandoned outfall to a raw water booster pump station, located onshore at 420 Quinientos Street. Prior to reaching the booster pump station, the intake pipeline connects to an abandoned outfall weir box on the beach. The weir box serves as a transition point for power and communication wires for the offshore intake pumps. These wires transition from inside the 36-inch HDPE piping to a duct bank that continues along the intake pipe alignment to the filter feed pump station at 420 Quinientos Street, at the El Estero Wastewater Treatment Plant (EEWWTP).

All offshore construction activities including anchoring, repair and maintenance will occur within a United States Coast Guard (USCG) designated seasonal mooring area delineated by the National Oceanographic Atmospheric Administration (US Chart #18725). Offshore construction activities will be managed by Global Diving & Salvage, Inc. (Global) including investigative dive surveys, barge/tug operations, and commercial working dives associated with needed cleaning, repairs and maintenance. Initial in-water construction activities proposed for the offshore Project area consist of a multi-phase approach that includes an investigation dive and repair/maintenance activities.

Project repair and maintenance activities described here and presented in this OAP are consistent with the Draft Anchoring Plan (Rincon 2016a, Tenera 2014b), CDP permit conditions, and the CDP Staff Report (CCC 2015). The CDP staff report provided review and conditional approval of the use of the utility boat and associated recommended anchoring (RA) locations. Project area initial investigation dive surveys are proposed to be conducted from the motor vessel (M/V) Danny C. The M/V Danny C is a 70 ft. utility vessel that would use a three-point anchoring system positioned at the RA locations identified in the Utility Work Boat Anchoring Locations and Subtidal Biological Survey Report (Tenera 2014b).

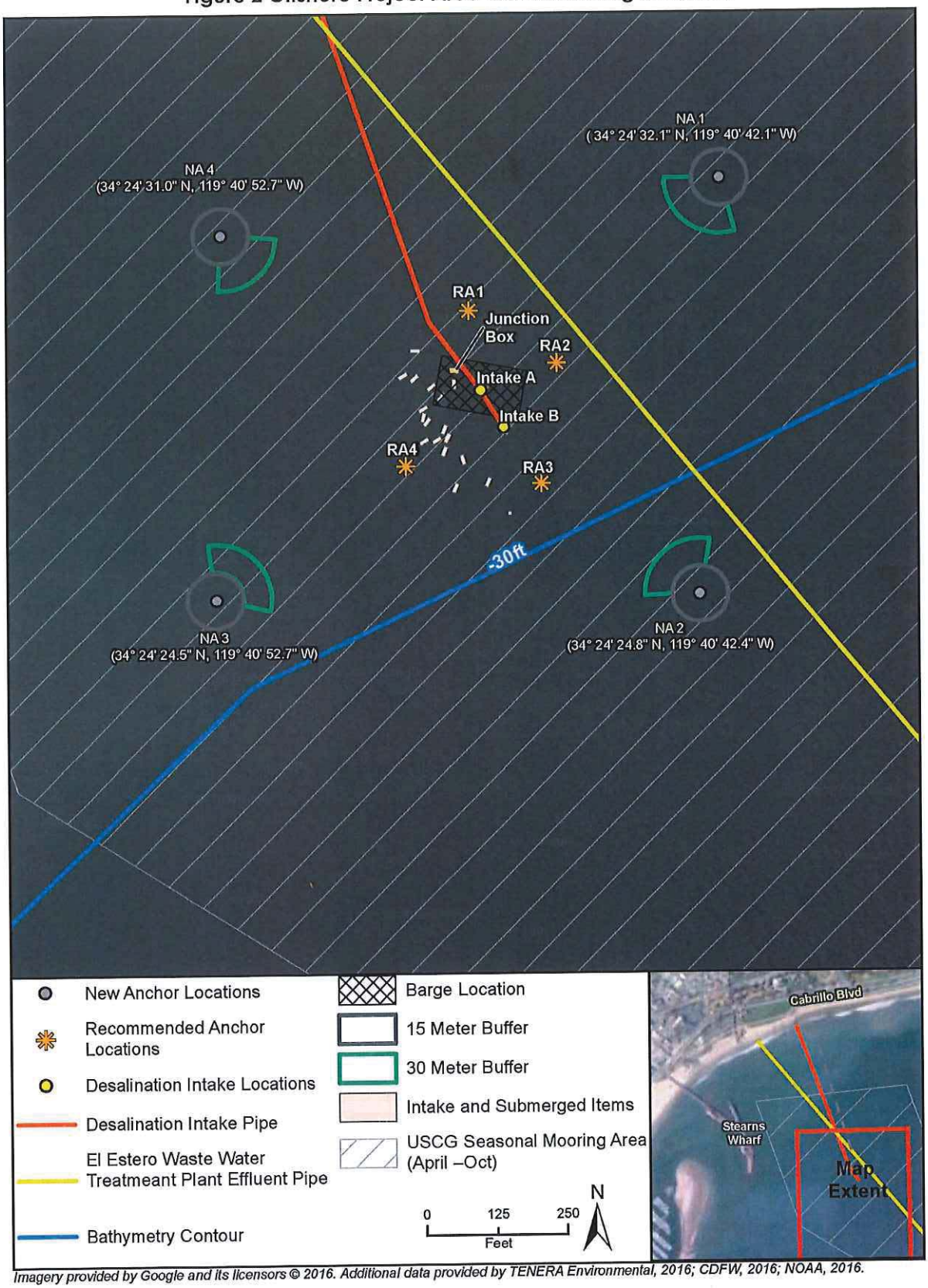
Offshore construction activities require the repair and replacement of materials that necessitates a barge able to support a large crane to lift the pumps and related infrastructure. The barge would be anchored using a four-point mooring system in the USCG seasonal anchorage; in similar soft bottom areas as described for the RA locations presented in the Draft Anchoring Plan (Rincon 2016a/Tenera 2014b) and will utilize similar anchoring hardware and methods. The barge, the 140 ft., 1500 Ton Derek Barge (D/B) San Diego, requires anchoring locations to be at greater distance from the intake locations. Anchor locations NA1 through NA4 are needed to safely moor the D/B San Diego during potential weather events and assure adequate position adjustment can be performed without adjusting anchoring locations (Figure 3). The recommended anchoring locations are not suitable to anchor the barge needed to complete proposed construction activities, but of use only when the RA locations pose additional impact concerns. The RA locations are too far away to secure the M/V Danny C, increasing the potential for impacts to benthic habitat from anchor line/cable abrasion and to public safety in the approved seasonal anchorage. Sole use of the barge to support construction activities would require that the barge be on site for an extended time period, during high public use periods. It would also require that larger anchors remain in place while the barges are moored.

Figure 1 Project Area Overview



Imagery provided by Google and its licensors © 2016.
Additional data provided by TENERA Environmental, 2016; CDFW, 2016; NOAA, 2016.

Figure 2 Offshore Project Area with Anchoring Locations

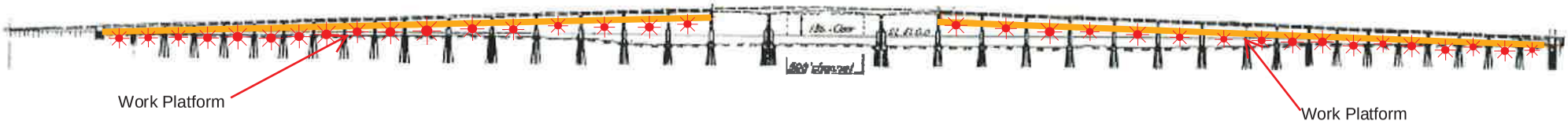


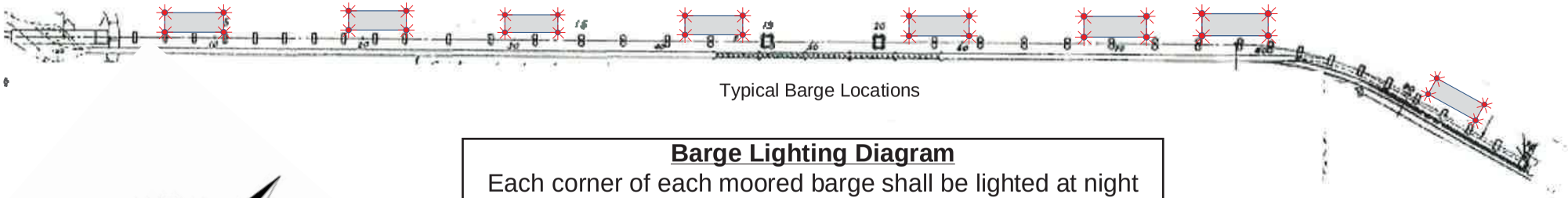
Imagery provided by Google and its licensors © 2016. Additional data provided by TENERA Environmental, 2016; CDFW, 2016; NOAA, 2016.

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.





Barge Lighting Diagram

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

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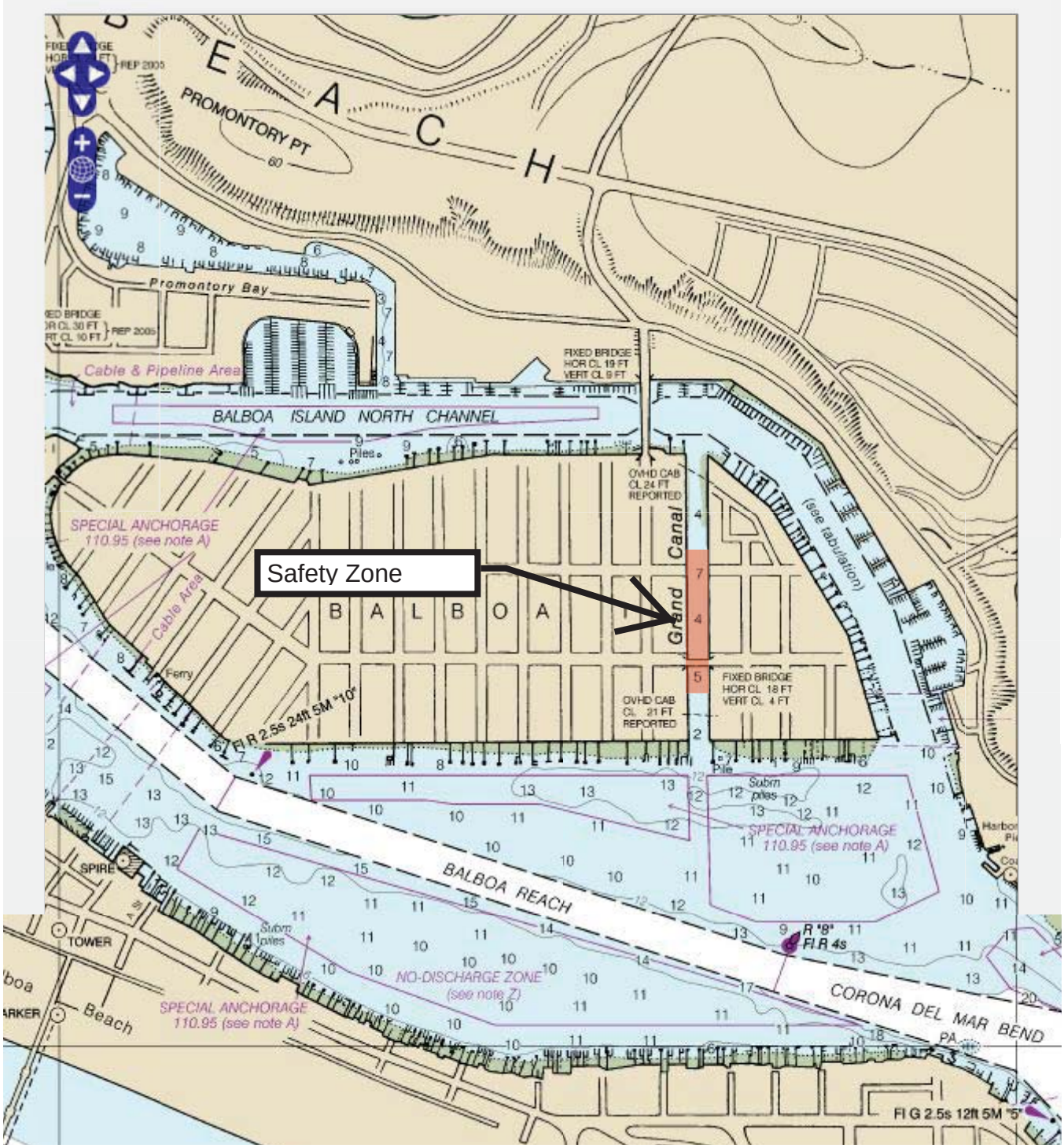
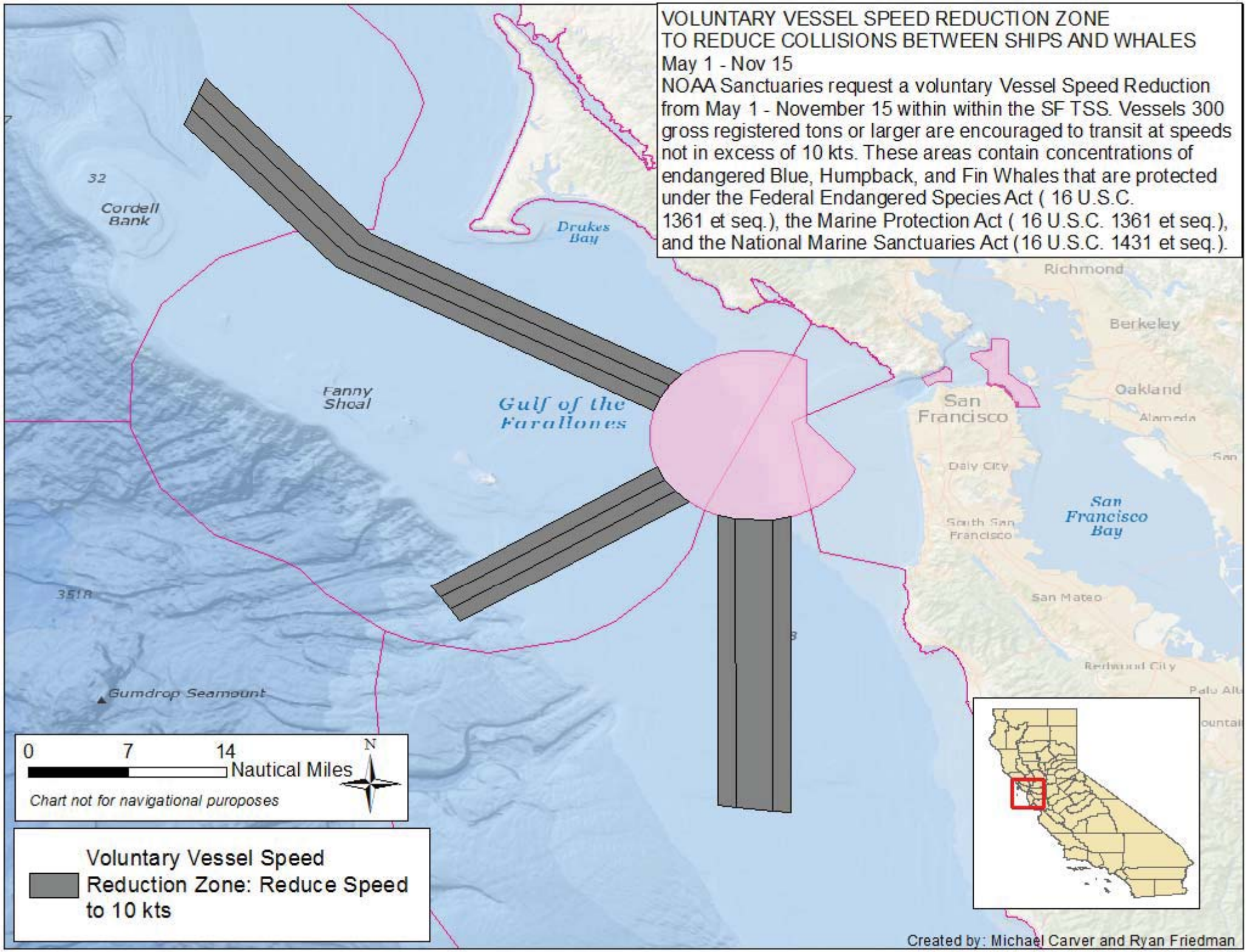
Persons and vessels are prohibited from entering into, departing from, transiting through, or anchoring within the designated area unless authorized by the Captain of the Port Los Angeles-Long Beach or her designated representatives.



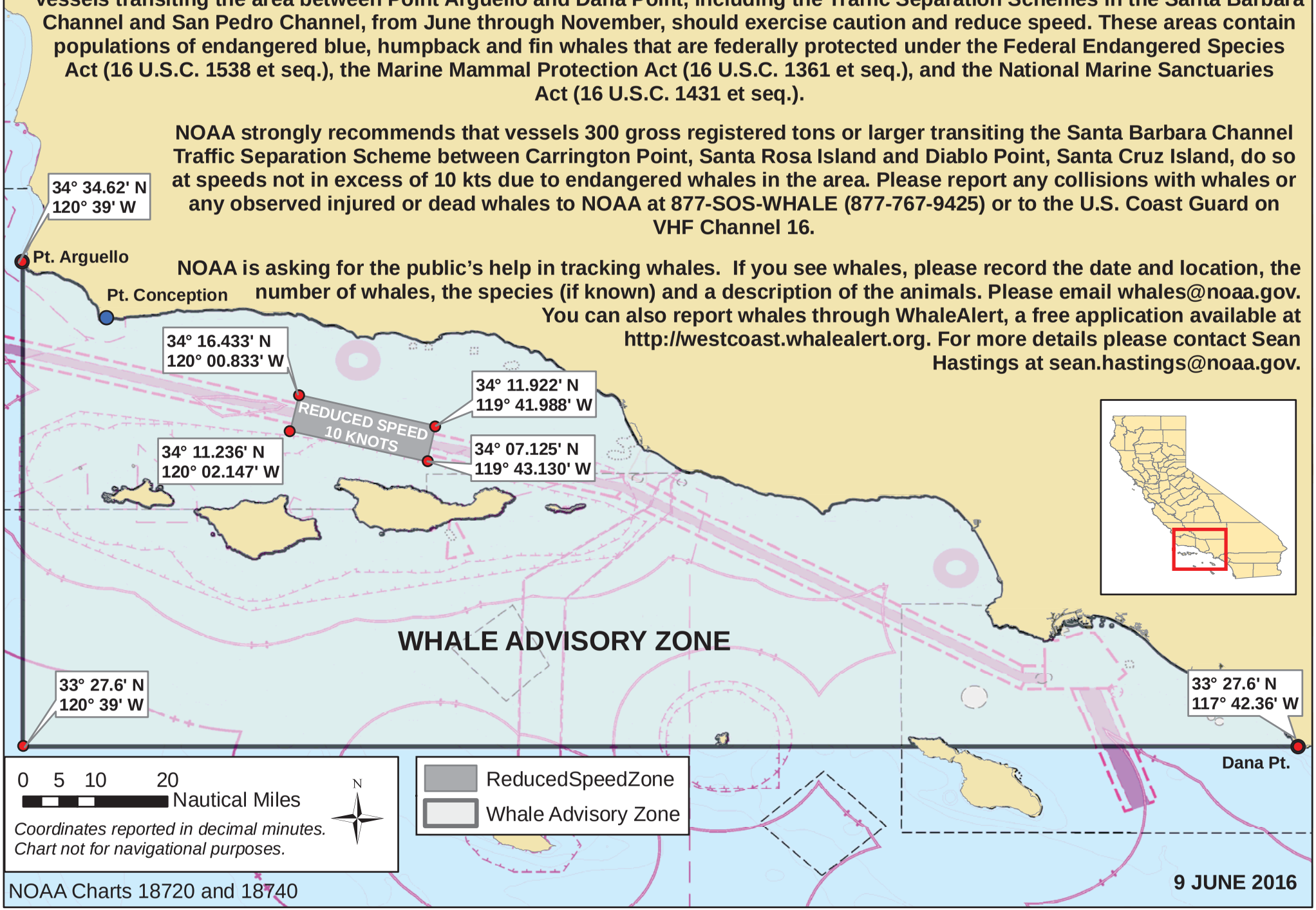

VOLUNTARY VESSEL SPEED REDUCTION ZONE
TO REDUCE COLLISIONS BETWEEN SHIPS AND WHALES
May 1 - Nov 15
NOAA Sanctuaries request a voluntary Vessel Speed Reduction from May 1 - November 15 within within the SF TSS. Vessels 300 gross registered tons or larger are encouraged to transit at speeds not in excess 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
Richmond
Berkeley
Oakland
Alameda
San Francisco
Daly City
South San Francisco
San Francisco Bay
San Mateo
Redwood City
Gumdrop Seamount
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

WHALE ADVISORY ZONE AND VOLUNTARY VESSEL SPEED REDUCTION ZONE TO REDUCE IMPACT OF SHIP STRIKES ON WHALES

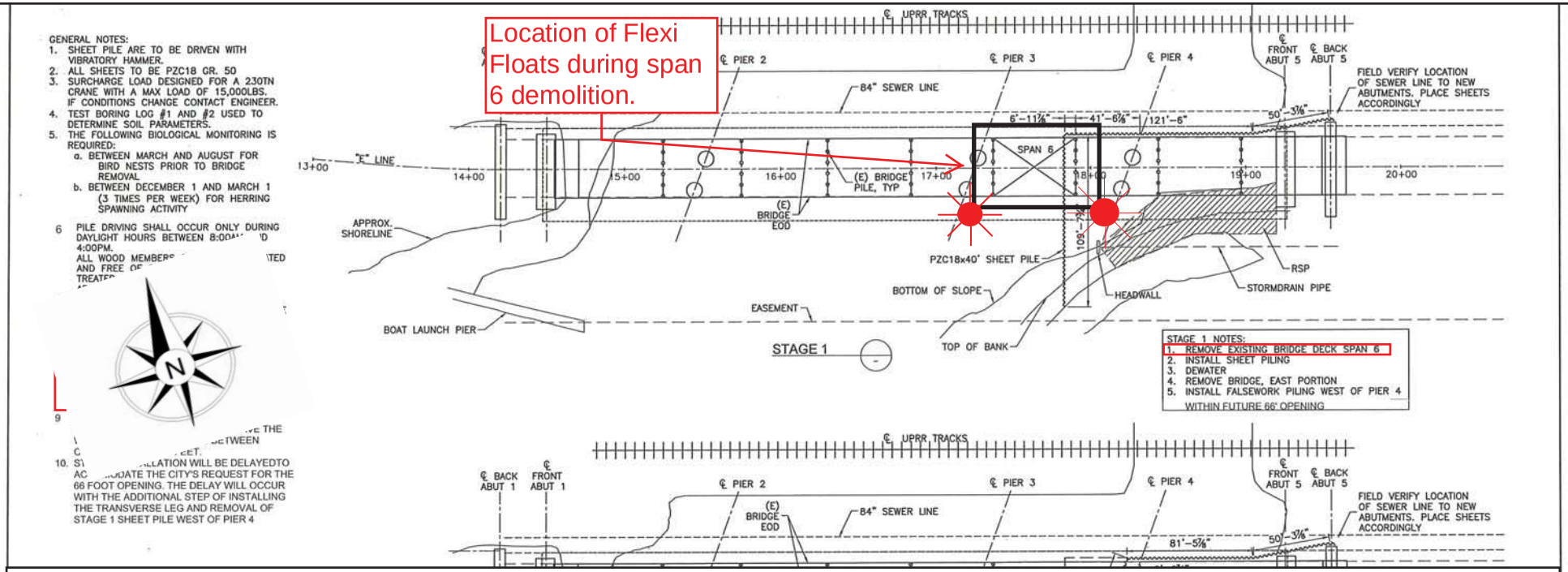
Vessels transiting the area between Point Arguello and Dana Point, including the Traffic Separation Schemes in the Santa Barbara Channel and San Pedro Channel, from June through November, should exercise caution and reduce speed. These areas contain populations of endangered blue, humpback and fin whales that are federally 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.).

NOAA strongly recommends that vessels 300 gross registered tons or larger transiting the Santa Barbara Channel Traffic Separation Scheme between Carrington Point, Santa Rosa Island and Diablo Point, Santa Cruz Island, do so at speeds not in excess of 10 kts due to endangered whales in the area. 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 and location, the number of whales, the species (if known) and a description of the animals. Please email whales@noaa.gov. You can also report whales through WhaleAlert, a free application available at http://westcoast.whalealert.org. For more details please contact Sean Hastings at sean.hastings@noaa.gov.

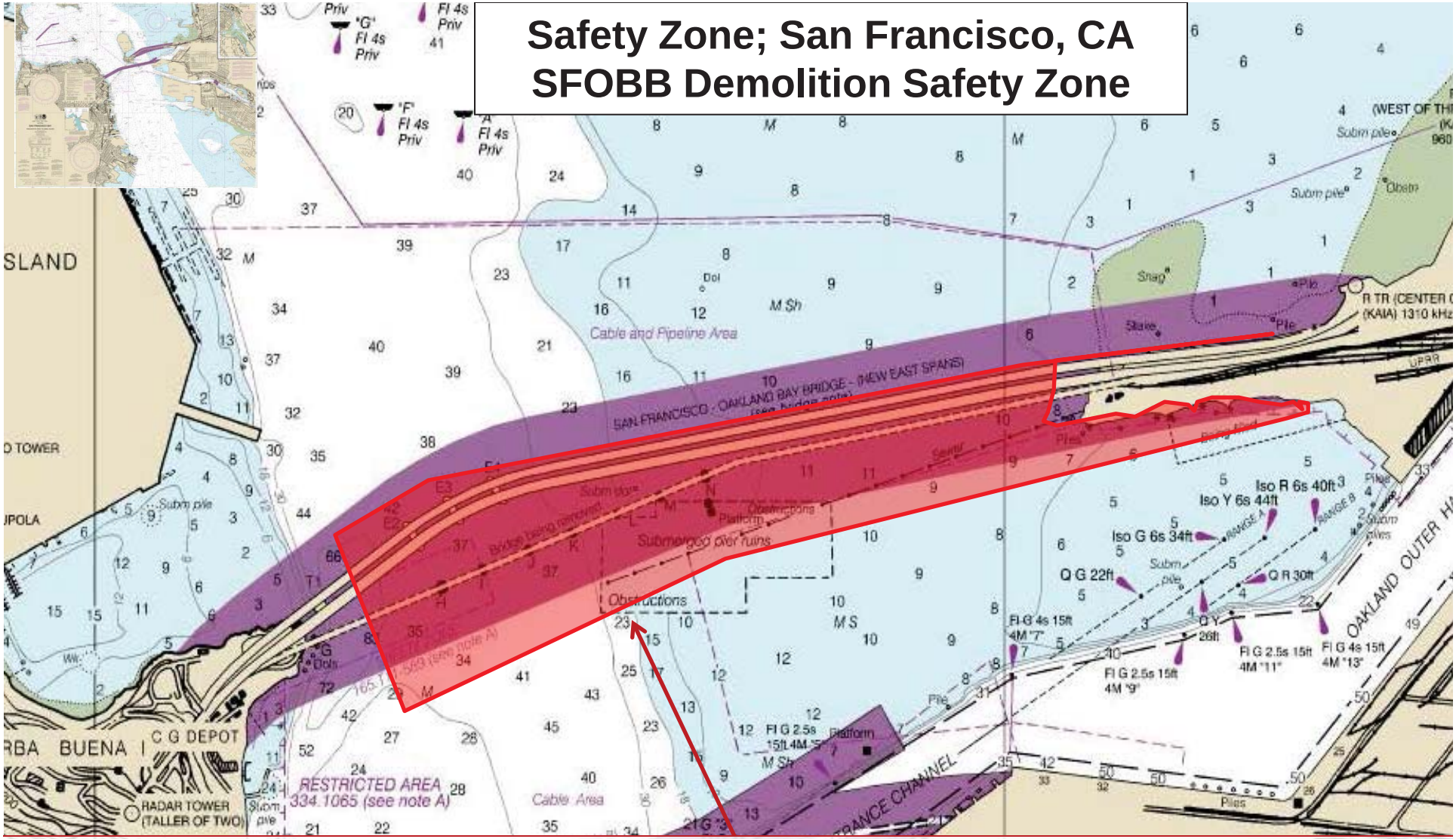


Embarcadero Road Bridge Replacement Project, Mile 0.17, Lake Merritt Channel
Typical Flexi-Float Barge Lighting



City of Oakland Contractor intends to use 3 to 4, 3 foot X 7.5 foot X 30 foot, flexi-float barges during the demolition of the eastern pier of the existing Embarcadero Rd Bridge. The downstream corners of each flexi-float barge shall be lighted at night with steady all-round red lights.

Safety Zone; San Francisco, CA
SFOBB Demolition Safety Zone

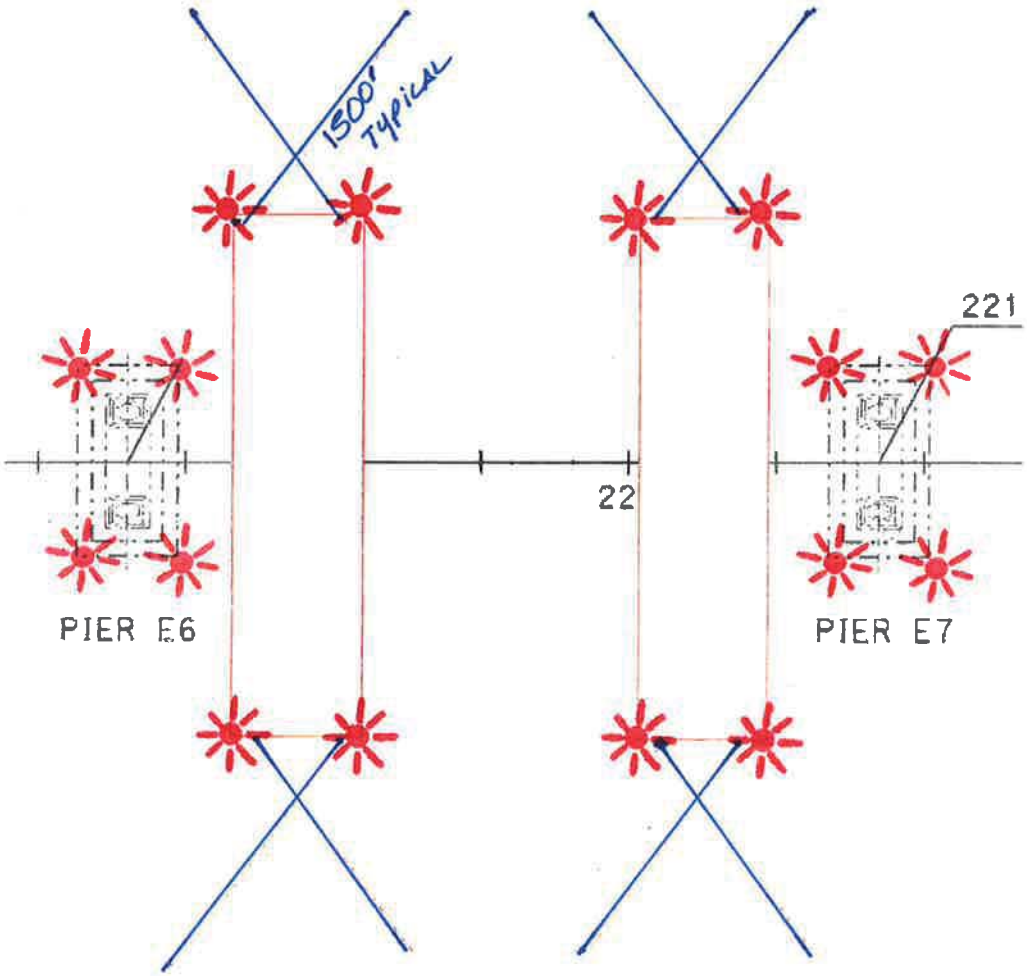


South Border:1000 feet south of the old SFOBB extending to Oakland shore line,
West Border:500 feet west of Pier H,
North Border west of Pier H: 250 feet north of new SFOBB extending Pier H,
North Border east of Pier H:100 feet north of new SFOBB extending to Oakland shore line
21 August 2015 – 31 December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



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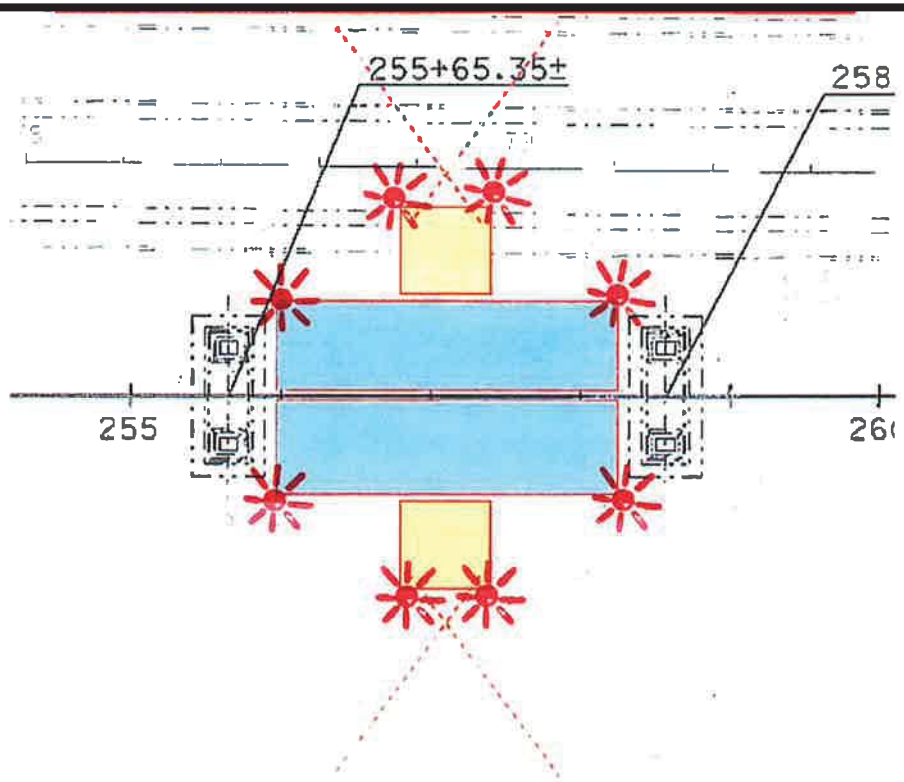

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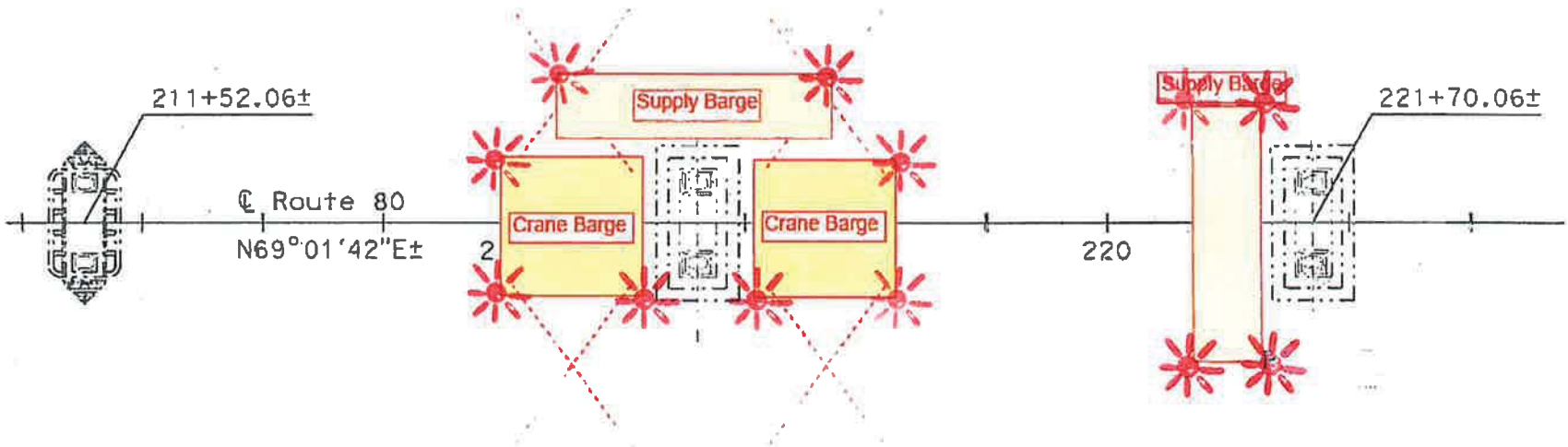
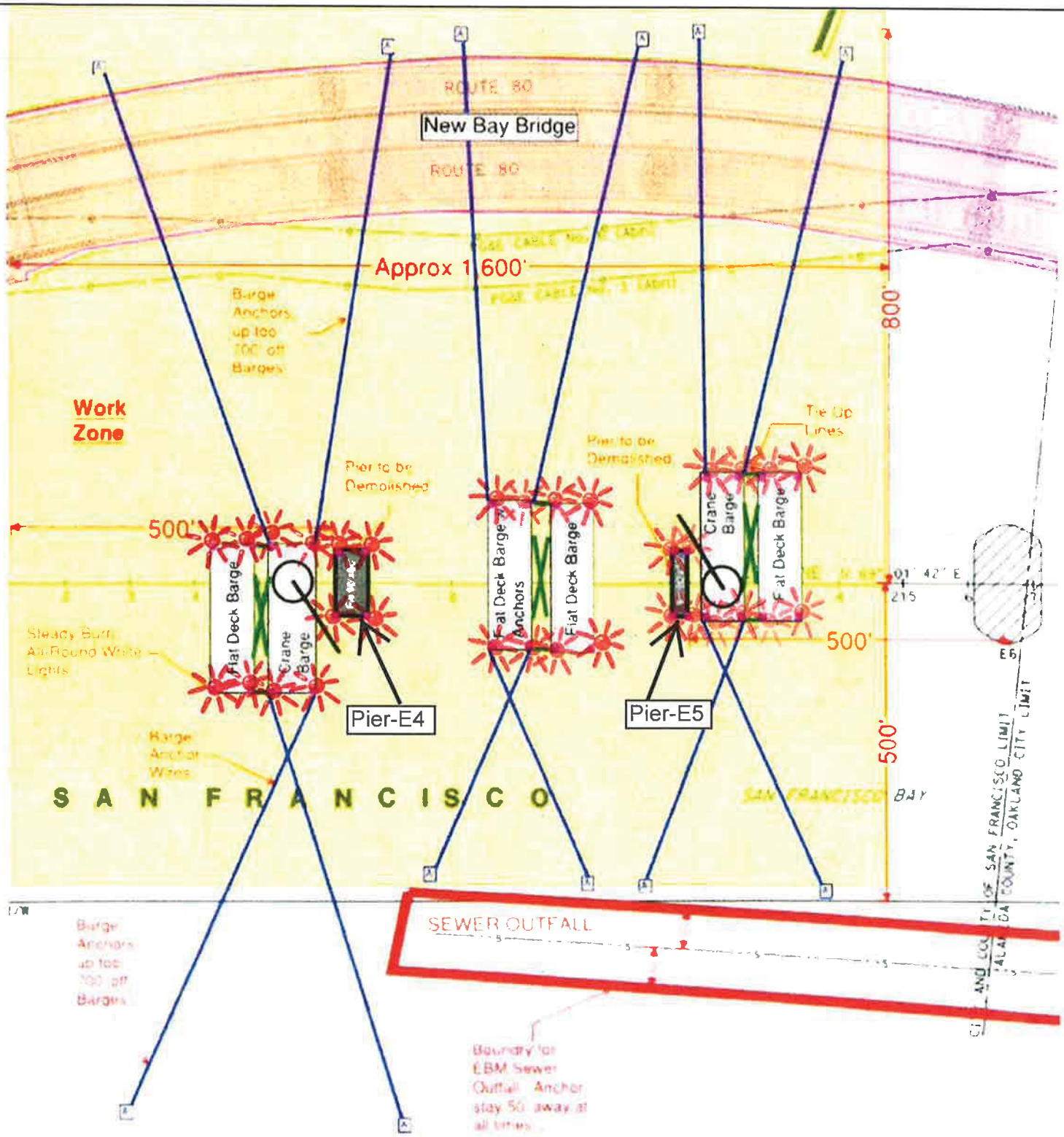


Eastern Span SFOBB Pier E4-E-18 Removal Lighting Plan

Each corner of each barge shall be lighted at night with steady burning all-round red lights with sufficient candle power so as to be visible at a distance of at least 2,000 yards by approaching vessels.

Every corner of each exposed pier structure shall be lighted at night with steady burning all-round red lights with sufficient candle power so as to be visible at a distance of at least 2,000 yards by approaching vessels.



Enclosure (2)