



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

**LOCAL NOTICE TO MARINERS**

**District: 11**

**Week: 39/20**

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

REFERENCES: COMDTPUB P16502.6, Light List Volume VI, 2017 Edition, U.S. Chart No.1 12th Edition, and Coast Pilot Volume 7 49th Edition. These publications, along with corrections, are available at: <https://nauticalcharts.noaa.gov/>

BROADCAST NOTICE TO MARINERS - Information concerning aids to navigation and waterway management promulgated through BNM HB-0016-20, SF-0117-20, LA-0124-20, and SD-0056-20 have been incorporated in this notice, or will continue if still significant.

**ABBREVIATIONS**

**A through H**

ADRIFT - Buoy Adrift  
AICW - Atlantic Intracoastal Waterway  
Al - Alternating  
B - Buoy  
BKW - Breakwater  
bl - Blast  
BNM - Broadcast Notice to Mariner  
bu - Blue  
C - Canadian  
CHAN - Channel  
CGD - Coast Guard District  
C/O - Cut Off  
CONT - Contour  
CRK - Creek  
CONST - Construction  
DAYMK/Daymk - Daymark  
DBN/Dbn - Daybeacon  
DBD/DAYBD - Dayboard  
DEFAC - Defaced  
DEST - Destroyed  
DISCON - Discontinued  
DMGD/DAMGD - Damaged  
ec - eclipse  
EST - Established Aid  
ev - every  
EVAL - Evaluation  
EXT - Extinguished  
F - Fixed  
fl - flash  
Fl - Flashing  
G - Green  
GIWW - Gulf Intracoastal Waterway  
HAZ - Hazard to Navigation  
HBR - Harbor  
HOR - Horizontal Clearance  
HT - Height

**I through O**

I - Interrupted  
ICW - Intracoastal Waterway  
IMCH - Improper Characteristic  
INL - Inlet  
INOP - Not Operating  
INT - Intensity  
ISL - Islet  
Iso - Isophase  
kHz - Kilohertz  
LAT - Latitude  
LB - Lighted Buoy  
LBB - Lighted Bell Buoy  
LHB - Lighted Horn Buoy  
LGB - Lighted Gong Buoy  
LONG - Longitude  
LNM - Local Notice to Mariners  
LT - Light  
LT CONT - Light Continuous  
LTR - Letter  
LWB - Lighted Whistle Buoy  
LWP - Left Watching Properly  
MHz - Megahertz  
MISS/MSNG - Missing  
Mo - Morse Code  
MRASS - Marine Radio Activated Sound Signal  
MSLD - Misleading  
N/C - Not Charted  
NGA - National Geospatial-Intelligence Agency  
NO/NUM - Number  
NOS - National Ocean Service  
NW - Notice Writer  
OBSCU - Obscured  
OBST - Obstruction  
OBSTR - Obstruction  
Oc - Occulting  
ODAS - Anchored Oceanographic Data Buoy

**P through Z**

PRIV - Private Aid  
Q - Quick  
R - Red  
RACON - Radar Transponder Beacon  
Ra ref - Radar reflector  
RBN - Radio Beacon  
REBUILT - Aid Rebuilt  
RECOVERED - Aid Recovered  
RED - Red Buoy  
REFL - Reflective  
RRL - Range Rear Light  
RELIGHTED - Aid Relit  
RELOC - Relocated  
RESET ON STATION - Aid Reset on Station  
RFL - Range Front Light  
RIV - River  
RRASS - Remote Radio Activated Sound Signal  
s - seconds  
SEC - Section  
SHL - Shoaling  
si - silent  
SIG - Signal  
SND - Sound  
SPM - Single Point Mooring Buoy  
SS - Sound Signal  
STA - Station  
STRUCT - Structure  
St M - Statute Mile  
TEMP - Temporary Aid Change  
TMK - Topmark  
TRLB - Temporarily Replaced by Lighted Buoy  
TRLT - Temporarily Replaced by Light  
TRUB - Temporarily Replaced by Unlighted Buoy  
USACE - Army Corps of Engineers  
W - White  
Y - Yellow

**Additional Abbreviations Specific to this LNM Edition: None**

**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.pacificarea.uscg.mil/Our-Organization/District-11/Prevention-Division/LnmRequest/> or call D11 Waterways Management Branch 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 Delay\_Report\_11-2017.pdf included in the Enclosures section of this Local Notice to Mariners.

**BRIDGE INFORMATION-COMMUNICATIONS PROTOCOL-BENICIA/MARTINEZ UPRR BRIDGE- CARQUINEZ STRAIT**

All mariners requiring a bridge lift at the Benicia-Martinez Union Pacific Railroad Bridge, mile 7.0, over the Carquinez Strait, California, should follow the protocol in the document entitled "Coordination of Communications for Union Pacific Railroad Lift Operations." Mariners can download a copy of the document by selecting the link BENICIA-MARTINEZ RR BRIDGE under the QUICK LINKS section at <https://www.pacificarea.uscg.mil/vtssf>.

**CAUTION TO BE USED IN RELIANCE UPON AIDS TO NAVIGATION**

The aids to navigation depicted on charts comprise a system of fixed and floating aids to navigation with varying degrees of reliability. Prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid to navigation. With respect to buoys, the buoy symbol is used to indicate the approximate position of the buoy body and the sinker which secures the buoy to the seabed. The approximate position is used because of the practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecision in position fixing methods, prevailing atmospheric and sea conditions, slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying length of chain, and the fact that the buoy body and/or sinker positions are not under continuous surveillance, but are normally checked only during periodic maintenance visits which often occur more than a year apart. Due to the forces of nature, the position of the buoy body can be expected to shift inside and outside the charted symbol. The mariner is also cautioned that buoys may be extinguished or sound signals may not function as the result of natural causes, collisions, or other accidents. For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Furthermore, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction that the buoy marks.

**HUMBOLDT BAY-SHOALING**

Due to shoaling at the south jetty tip of Humboldt Bay Bar, swells in excess of 8 ft may adversely affect the main shipping channel. Mariners are requested to transit the area with caution. For more details or comments contact the United States Coast Guard Sector Humboldt Bay at 707-839-6113.

**NORTHERN CALIFORNIA-SAN FRANCISCO-MILE ROCKS LIGHT-REDUCED NOMINAL RANGE**

Mile Rocks Light (LLNR 365) will have a temporarily reduced intensity of 5nm until further notice. Mariners are requested to transit the area with caution. For more details or comments contact LT Ruth Sadowitz at 510-437-3801.

Charts: 18007 18010 18020 18022 18640 18645 18649 18680 LNM: 16/19

**SAN DIEGO-SANTA BARBARA-OBSTRUCTION**

There is flag pole located in front of Santa Barbara Harbor Breakwater light (LLNR 3750). The flag pole is approximately 8-10 feet away from the aid, extends about 4-5 feet above the light and is at a bearing of 062. There is a possibility that the flagpole may obscure the visibility of the light if mariners are approaching from that bearing. Mariners are requested to transit the area with caution. For more details or comments contact Sector San Diego at 619-278-7000.

LNM: 27/20

**SOUTHERN CALIFORNIA-SAN DIEGO-SUBMERGED OBJECT**

A large ship anchor and 300 ft of anchor chain have been reported lost in 39 ft of water one nautical mile west of Silver Strand State Beach at 32-38-24N 117-10-08W. Mariners are requested to transit the area with caution. For more details or comments contact sector San Diego at 619-278-7000.

Chart 18773 LNM: 27/20

**SOUTHERN CALIFORNIA-SAN DIEGO-SUBMERGED OBJECT**

An anchored 16 ft center console pleasure craft has capsized and remains afloat 600 yds south of Hotel Del Coronado at 32-40-06N 117-10-09W. No Distress is associated with this wreck which has been marked with an unlit red marker buoy in approximately 28 ft of water. Mariners are requested to transit the area with caution. For more details or comments contact Coast Guard Sector San Diego at 619-278-7000.

Chart 18772 LNM: 34/20

## 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	ADRIFT	18022	SD-0039-18	52/16	
365	Mile Rocks Light	REDUCED INT	18649	SF-0251-17	49/17	
380	Noonday Rock Lighted Bell Buoy 28	MISSING	18645	SF-0161-18	44/18	
395	Bodega Head Lighted Whistle Buoy 30	MISSING	18643	SF-0059-20	25/20	
415	Arena Cove Lighted Bell Buoy A	SINKING	18640	HB-0010-20	25/20	
<b>525</b>	<b>Trinidad Head Light</b>	<b>LT EXT</b>	<b>18605</b>	<b>HB-0016-20</b>	<b>39/20</b>	
562	NOAA Environmental Lighted Buoy 46027	MISSING	18603	HB-0008-19	17/19	
2295	Oceanside Breakwater Light 1	DAYMK MISSING	18758	SD-0020-19	16/19	
2641	Isthmus Cove Harbor Reefs Light	STRUCT DEST/TRLB	18757	LA-0094-18	29/18	
2670	Santa Catalina Island West End Light	LT EXT	18757	LA-0113-19	34/19	
2826	Anaheim Bay Channel Light 11	STRUCT DEST/TRLB	18749	LA-0143-19	41/19	
3455	Marina Del Rey Light 3	SS INOP	18744	LA-0105-20	33/20	
3640	Channel Islands Harbor South Jetty Light 2	SS INOP	18725	LA-0107-20	34/20	
3970	Monterey Harbor Light 6	SS INOP	18685	SF-0064-20	27/20	
4165	San Francisco Main Ship Channel Lighted Whistle Buoy 2	LT IMCH	18649	SF-0113-20	38/20	
4245	Mile Rocks Light	REDUCED INT	18649	SF-0251-17	49/17	
4645	Oakland Outer Harbor Light 7	STRUCT DMGD	18650	SF-0089-18	23/18	
4650	Oakland Outer Harbor Light 9	STRUCT DEST/TRLB	18650	SF-0058-18	26/18	
4912	Lash Terminal Approach Lighted Buoy 2	SINKING	18650	SF-0040-20	16/20	
5130	San Francisco Bay South Channel Light 8	DAYMK MISSING	18651	SF-0023-20	08/20	
5180	Redwood Creek Entrance Light 2	STRUCT DEST/TRLB	18651	SF-0153-15	34/15	
5240	Redwood Creek Light 13	STRUCT DMGD/TRLB	18651	SF-0201-17	41/17	
5250	Redwood Creek Light 16	STRUCT DMGD/TRLB	18651	SF-0109-19	43/19	
5515	San Francisco Bay North Channel Lighted Buoy 14	MISSING	18649	SF-0074-20	29/20	
<b>5922</b>	<b>Pinole Shoal Range Front Light</b>	<b>LT EXT</b>	<b>18654</b>	<b>SF-0115-20</b>	<b>39/20</b>	
6165	Napa River Light 8	STRUCT DEST/TRLB	18654	SF-0123-14	34/14	
6195	Napa River Light 15	DAYMK MISSING	18654	SF-0036-17	05/17	
6785	San Joaquin River Light 30	STRUCT DEST/TRLB	18660	SF-0018-19	05/19	
6913	Stockton Channel Light 1	STRUCT DMGD	18660	SF-0072-19	23/19	
7235	Sacramento River Deep Water Ship Channel Light 15	MISSING/TRLB	18660	SF-0100-20	35/20	
7240	Sacramento River Deep Water Ship Channel Light 16	STRUCT DEST/TRLB	18660	SF-0127-18	34/18	
7415	Sacramento River Deep Water Ship Channel Light 50	STRUCT DMGD/TRLB	18661	SF-0143-17	25/17	
7525	Sacramento River Deep Water Ship Channel Range C Front Light 70	LT EXT	18662	SF-0083-20	30/20	
7765	Bodega Harbor Approach Lighted Gong Buoy BA	MISSING	18643	SF-0090-20	32/20	
7780	Bodega Harbor Channel Light 2	STRUCT DMGD	18643	SF-0184-17	34/17	
7795	Bodega Bay Harbor Light 4	STRUCT DEST/TRLB	18643	SF-0193-18	52/18	
7835	Bodega Harbor Channel Light 11	TRUB	18643	SF-0087-20	31/20	
7865	Bodega Harbor Channel Daybeacon 18	STRUCT DMGD/TRUB	18643	SF-0256-17	50/17	
7885	Bodega Harbor Channel Daybeacon 22	STRUCT DEST/TRUB	18643	SF-0069-12	01/13	

7954	Bodega Harbor Channel Daybeacon 35	STRUCT DEST/TRUB	18643	SF-0001-19	02/19
7990	Bodega Harbor Channel Daybeacon 44	STRUCT DEST/TRUB	18643	SF-0230-15	50/15
<b>8410</b>	<b>Lake Tahoe Buoy A</b>	<b>MISSING</b>	<b>18665</b>	<b>SF-0114-20</b>	<b>39/20</b>
8525	Lake Tahoe Buoy AB	DAYMK IMCH	18665	SF-0067-20	27/20
	Newport Bay Channel Light 11	STRUCT DEST/TRLB	18754	LA-0176-15	50/15

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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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-0002-19	05/19	
158	Scripps Waverider Lighted Research Buoy 092	OFF STA	18746		45/18	
1765	Harbor Island East Basin Channel Buoy 2	OFF STA	18773	SD-0028-19	19/19	
1790	Harbor Island East Basin Channel Buoy 10	OFF STA	18773	SD-0044-19	27/19	
1900	Glorietta Bay Channel Lighted Buoy 8	LT IMCH	18773		50/18	
2070	Coronado Cays Channel Daybeacon 3	STRUCT DEST	18773	SD-0098-17	36/17	
2288	Scripps Waverider Lighted Research Buoy 220	OFF STA	18765	SD-0041-20	30/20	
2289.1	Scripps Waverider Lighted Research Buoy 100	OFF STA	18765		22/20	
2289.4	Scripps "CORDC" Lighted Research Buoy	MISSING	18765		22/20	
3339.2	REDONDO HARBOR LIGHT	LT EXT	18744	LA-0181-18	52/18	
3420	Hyperion Lighted Gong Buoy 10 ES	LT EXT	18744		16/20	
3972.1	Monterey Harbor Junction Lighted Buoy A	MISSING	18685	SF-0019-20	05/20	
4401	Richardson Bay Daybeacon 8	DAYMK DMGD	18653		15/20	
4402	Richardson Bay Daybeacon 9	STRUCT DMGD	18649	SF-0086-18	23/18	
4465	San Francisco - Oakland Bay Bridge Pier G Fog Signal	SS INOP	18650	SF-0088-20	32/20	
4578	South Beach Harbor South Entrance Light 1	LT EXT	18650	SF-0091-20	33/20	
4826	Bay Farm Island Light 1	LT EXT	18650	SF-0014-19	05/19	
4826.15	Bay Farm Island Light 3	LT EXT	18650	SF-0014-19	04/19	
4827.1	Anchorage 9 Lighted Mooring Buoy A	LT EXT	18650	SF-0012-20	04/20	
4828.1	Anchorage 9 Lighted Mooring Buoy B	LT EXT	18650	SF-0013-20	04/20	
5661	Southampton Shoal Outfall Lighted Buoy 1	LT EXT	18653	SF-0029-20	10/20	
5661	Southampton Shoal Outfall Lighted Buoy 1	LT EXT/RAC INOP	18653	SF-0026-19	07/19	
5877.2	San Rafael Rock Quarry Mooring Buoy C	MISSING	18653		36/18	
6623	New York Slough Koch West Light	LT IMCH	18659		39/18	
6624	New York Slough Koch East Light	LT EXT	18659		39/18	
6645.5	Delta Diablo Outfall Lighted Buoy	BUOY DMGD	18659		39/18	

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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None

**PLATFORM DISCREPANCIES**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

**PLATFORM DISCREPANCIES CORRECTED**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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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
280	Point Sur Light	Reduced Intensity	18686	SF-0105-20	35/20	
3775	Santa Barbara Harbor Lighted Buoy 7	RELOCATED FOR DREDGING	18725	LA-0057-20	16/20	
3785	Santa Barbara Harbor Lighted Buoy 11	RELOCATED FOR DREDGING	18725	LA-0058-20	16/20	
3792	Santa Barbara Harbor Lighted Buoy 12	RELOCATED FOR DREDGING	18725	LA-0059-20	16/20	
3855	Morro Bay Channel Lighted Buoy 4	DISCONTINUED FOR DREDGING	18703		18/20	
3856	Morro Bay Channel Lighted Buoy 4A	DISCONTINUED FOR DREDGING	18703		18/20	
3860	Morro Bay Channel Lighted Buoy 5	DISCONTINUED FOR DREDGING	18703		18/20	
3865	Morro Bay Channel Lighted Buoy 6	DISCONTINUED FOR DREDGING	18703		18/20	
3870	Morro Bay Channel Lighted Buoy 7	DISCONTINUED FOR DREDGING	18703		18/20	
3875	Morro Bay Channel Lighted Buoy 8	DISCONTINUED FOR DREDGING	18703		18/20	
6665	San Joaquin River Daybeacon 1	TRUB	18659	SF-0075-20	30/20	
8195	Humboldt Bay Lighted Buoy 9	RELOCATED FOR DREDGING	18622		37/20	
8200	Humboldt Bay Lighted Buoy 10	RELOCATED FOR DREDGING	18622		37/20	

**TEMPORARY CHANGES CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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None

**PLATFORM TEMPORARY CHANGES**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

**PLATFORM TEMPORARY CHANGES CORRECTED**

Name	Status	Position	BNM Ref.	LNM St	LNM End
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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						
(Temp) ADD	NATIONAL DOCK CHANNEL BUOY 3			CGD01	at 40-41-09.001N 074-02-48.001W	
Corrective Action	Green can	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.

<b>18725</b>	<b>30th Ed.</b>	<b>01-JUN-13</b>	<b>Last LNM: 30/20</b>	<b>NAD 83</b>		<b>39/20</b>
<i>Chart Title: Port Hueneme to Santa Barbara; Santa Barbara; Channel Islands Harbor and Port Hueneme; Ventura</i>						
<b>Inset 1885 SANTA BARBARA. Page/Side: N/A</b>						
ADD	Approximate Landmark; Flagpole		Chart No. 1: E27 (NOS NW-31031)	NOS	34-24-17.490N	119-41-15.760W

## 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

<b><u>Approved Project(s)</u></b>	<b><u>Project Date</u></b>	<b><u>Ref. LNM</u></b>
None		

### **Advance Notice(s)**

#### SOUTHERN CALIFORNIA-ANAHEIM BAY-TEMPORARY CHANGE

The U.S. Coast Guard will temporarily change the following aids to floating aids in regards to the Anaheim Bay Project:

- Anaheim Bay Channel Light 9 LLNR (2820)
- Anaheim Bay Channel Light 10 LLNR (2825)
- Anaheim Bay Channel Light 11 LLNR (2826)
- Anaheim Bay Channel Light 13 LLNR (2827)
- Anaheim Bay Channel Light 17 LLNR (2829)

For more details or comments contact LT Ruth Sadowitz at 510-437-3801 or ruth.a.sadowitz@uscg.mil.

Chart 18749	LNM: 15/20
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#### SOUTHERN CALIFORNIA-NEWPORT BAY CHANNEL-AID CONVERSION

The U. S. Coast Guard is proposing to make the temporary buoy for Newport Bay Channel Light 11 (LLNR 2470) a permanent buoy. For more details or comments contact LT Ruth Sadowitz, 510-437-3801 or ruth.a.sadowitz@uscg.mil.

Chart 18754	LNM: 46/19
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## 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

<b><u>Proposed Project(s)</u></b>	<b><u>Closing</u></b>	<b><u>Docket No.</u></b>	<b><u>Ref. LNM</u></b>
None			

### **Proposed Change Notice(s)**

None

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## SECTION VII - GENERAL

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

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### ARIZONA-BULLHEAD CITY-COLORADO RIVER-DAVIS DAM

A rocky shoal has been reported below the Davis Dam in position 35-11-34N 114-34-16W where depths are reported between 5' to less than 1' depending upon the outflow from the dam. Recreational vessels have been seen running aground after making contact with the rocks as there are no signs or buoys marking the area. Mariners are requested to transit the area with caution. For more details or comments contact USCG Sector San Diego at 619-278-7073.

LNM: 16/18

### ARIZONA-COLORADO RIVER-BRIDGE

CIBOLA FARMERS BRIDGE-La Paz County will be conducting rehabilitation of the bridge Monday through Friday during daylight hours, 01 Oct 20 through 12 Aug 21. During the project, a temporary underdeck platform will be installed under span 3 reducing vertical clearance in that span by 4 feet. During the project, the main navigational channel will be temporarily established in span 4, providing 17 feet vertical clearance over ordinary high water and 48 feet horizontal clearance between piers. Span 4 will be marked with upstream and downstream green center channel lights and red pier lights. The upstream and downstream lower edges of the temporary underdeck platform will be lighted at night with steady burning red lights (see Cibola\_Alternate\_Channel.pdf at the end of this notice). Mariners are requested to transit the area with caution. For conditions at the bridge project site mariners can contact 928-210-1913 or 928-897-1151. For more details or comments, contact the Coast Guard Bridge Office at 510-437-3461.

LNM: 38/20

### LOWER COLORADO RIVER-LAKE HAVASU CITY-MARINE EVENT

Lake Havasu City Outrigger Canoe club will sponsor the Havasu Heat on 10 Oct 20 from 0630 to 1600. The event will consist of 103 outrigger canoes and stand up paddleboards participating in a short and long course race. The race course will start in the vicinity of Thompson Bay at 34-27-38N 114-20-30W and with turn-a-rounds at Pilot Rock in position 34-24-44N 114-17-24W, navigating down the Arizona side of the river and back to the finish line at Rotary Park Beach. Mariners are requested to transit the area with caution. For more detail or comments contact Gary Mortimer at 818-307-1440.

LNM: 39/20

### LOWER COLORADO RIVER-LAKE HAVASU-MARINE EVENT

International Jet Sports Boating Association will sponsor a personal watercraft racing event from 0600-1800, 3-11 Oct 20. The marine event will be involving 350 PWCs in the area of Lake Havasu adjacent to the Crazy Horse Campground. Mariners are requested to transit the area with caution. For more comments or details contact Scott Frazier at 650-796-8676.

LNM: 39/20

### NEWPORT BAY-TEMPORARY MOORING BUOY

A 5 ft diameter temporary mooring buoy has been installed at 33-37-53N 117-55-12W in Newport Beach turning basin until 30 Nov 20. M/V INVICTUS will be on scene monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Cuan Nicolay at 323-533-1314.

Chart 18751

LNM: 26/20

### NORTHERN CALIFORNIA-BENICIA MARINA-DREDGE OPERATIONS

Salt River Construction Corporation is conducting dredge operations in the Benicia Marina in Benicia, CA at position 38-02-36N 122-09-26W starting 07 Oct 20 to 30 Nov 20. DB1 along with tug BRANDY BAR will be on scene 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 18657

LNM: 39/20

### NORTHERN CALIFORNIA-BENICIA-DREDGE OPERATIONS

Dutra Construction Company will be conducting dredge operations at the Valero refinery Dock in Benicia, CA at 38-02-33N 122-07-52W, 24 hours a day, 7 days a week until 30 Oct 20. All dredged material will be disposed of at Montezuma Wetlands. DB 24, 04 split hull scows, along with tugs HEIDI L BRUSCO and BECKY T will conduct operations and will monitor VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Mr. Dennis Salyers at 415-497-5289.

Charts: 18656 18660

LNM: 30/20

### NORTHERN CALIFORNIA-CLINT BASIN-PORT OF OAKLAND-MARINE CONSTRUCTION

Dutra Construction Company will conduct marine construction within Clint Basin at 37-47-18N 122-15-36W during weekdays and daylight hours from 02 Nov 20 until 01 Dec 20. CB-12 and small skiffs will be utilized during operations. All vessels will monitor VHF-FM Chan. 09 and 16 or by calling Robert Utley, Project Superintendent, at 415-686-9397. During off hours and weekends CB-12 will be moored adjacent to the wharf. Mariners are requested to transit the area with caution. For more details or comments contact Stephen Hutchinson at 510-254-4410.

Charts: 18649 18650

LNM: 38/20

### NORTHERN CALIFORNIA-CORDELL BANK-SURVEY OPERATIONS

NOAA has deployed two research moorings in the following positions:

38-03-03N 123-27-24W

34-03-24N 123-29-09W

These are orange mooring buoys that have a flat surface float, flagpole, flag, and radar reflector. R/V MUSSEL POINT will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Danielle Lipski at 415-464-5264.

Charts: 18010 18645

LNM: 52/18

### NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE

BON AIR RD BRIDGE REPLACEMENT-Construction of the replacement bridge is in progress. A temporary work trestle spans the channel and

**NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE**

provides 20' of horizontal clearance, pile to pile, and 3' of vertical clearance from mean high water to the lowest hittable portion of the trestle (see BonAirRd\_Trestle.pdf at the end of this notice for navigation channel location). Four cofferdams have been placed within the creek to facilitate construction of the replacement bridge piers. Work will be conducted Monday through Saturday from 0700-1800. Mariners are requested to transit the area with caution. For conditions at the construction site, mariners can contact the contractor at 925-953-4610/916-919-2428 or the city at 415-259-7050. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18649

LNM: 41/18

**NORTHERN CALIFORNIA-CRESCENT CITY-DREDGING OPERATIONS**

Camenzind Dredging Inc. will conduct maintenance dredge operations in the Federal Inner Harbor Channels at Crescent City Harbor 24 hours a day 7 days a week until 30 Oct 20. Dredge operations will start at position 41-44-49N 124-11-03W and end at position 41-44-10N 124-11-20W. Floating submerged pipeline will be marked with yellow floats and anchors will be marked with white buoys. Dredged material will be disposed of at the Crescent City furnished beach disposal site at Whaler Island in position 41-44-26N 124-10-57W. Dredge PAUL VINCENT, work boat FESTER, and skiffs will be on scene and monitoring VHF-FM Chan. 16 and 86. Mariners are requested to transit the area with caution. For more details or comments contact Kurt Camenzind at 650-444-8453.

Chart 18603

LNM: 38/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-AMERICAN RIVER-BRIDGE**

AMERICAN RIVER (DOWNRIVER) BRIDGE (CA RT 160)-Caltrans' contractor Dutra has begun a scour mitigation project at each in-water pier of the bridge. Work will be conducted 0600 to 2200, Monday through Sunday, through 15 Oct 20. The tug "SEA TOW", three 30' x 60' flexi float spudded barges, one equipped with a 336 Excavator and two as material/support barges, with a work boat and miscellaneous small skiffs, will be utilized on the project at various times at each pier of the bridge. A temporary trestle will be erected from the northeast river bank between the upriver and downriver bridge and extend 30' into the river. The upriver and downriver outer corners of the trestle will be lighted at night. After normal working hours, the barges will be left on-scene/unmanned, either spudded in the river or moored to the trestle. Each corner of each barge will be lighted at night. In the event a barge breaks away from its mooring, it can be retrieved within one-hour of notification by contacting Dutra at 707-974-9937, 707-333-5029, 707-974-7487 or 415-680-8970. For conditions at the site during working hours, mariners can contact the "SEA TOW" on VHF-FM chan. 13, 14, or 16, or via cell at 415-720-7012. Mariners are requested to transit the area with caution. For more details or comments contact the Coast Guard Bridge Office at 510-219-4366.

Chart 18662

LNM: 30/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-MIDDLE RIVER-BRIDGE**

WOODWARD ISLAND REMOVABLE SPAN BRIDGE- On 23 Jul 20, the Coast Guard issued a Notice of Proposed Rulemaking for the Woodward Island Bridge, mile 11.8, over Middle River, between Upper Jones Tract and Woodward Island, near Discovery Bay, San Joaquin County, California.

The proposed rule is as follows: The removable span of the Woodward Island Bridge, mile 11.8, near Discovery Bay, shall be removed as soon as possible upon notification by the District Commander that an emergency exists which requires its removal.

The public will be allowed to submit comments concerning this proposed rule, identified by docket number USCG-2020-0137, by using the Federal eRulemaking Portal at <http://www.regulations.gov> through 21 Oct 20.

For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18661

LNM: 30/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-MOKELUMNE RIVER-BRIDGE**

I-5 DUAL BRIDGE-Caltrans' contractor has installed three temporary trestles to facilitate retrofit of the dual bridge, one upstream, one downstream and one between the dual bridge. The temporary trestles provide ~9 feet of vertical clearance from Mean High Water to low steel of each trestle and 30 feet of horizontal clearance between bents 2 and 3. The vertical clearance can fluctuate due to changes in the water surface elevation caused by runoff, snowmelt and dam releases. The upstream and downstream temporary navigation span, between bents 2 and 3, are lighted at night with steady burning green lights. The upstream and downstream faces of bents 1, 2, 3 and 4 are lighted at night with steady burning red lights (See I-5\_MokeRiver\_Trestles.pdf at the end of this notice for lighting diagram.) Work is being conducted Monday through Friday, 0600 to 1530, through 21 Jul 21. For information at the construction site mariners can contact 916-208-6416, 209-518-6936, 916-283-9949, 916-757-2989 or 530-409-8103. Mariners are requested to use extreme caution when transiting the work site as there will be cranes working over the channel. For further information, mariners can contact the Coast Guard Bridge Office at 510-219-4366.

Chart 18662

LNM: 37/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-NOYO RIVER-DREDGE OPERATIONS**

Camenzind Dredging Inc. will be conducting continuous dredging operations in Noyo River between 39-25-39N 123-48-39W and 39-25-27N 123-48-08W, 24 hours a day, 7 days a week until 01 Nov 20. Dredged material will be disposed at Historical Upland Disposal Site. The submerged pipeline will be marked with yellow floats and anchors with white buoys. D/V PAUL VINCENT, Work boat FESTER, and various skiffs will be monitoring VHF-FM Chan. 16 and 68. Mariners are requested to transit the area with caution. For more details or comments contact Project Manager, Kurt Camenzind at 650-424-0367.

Chart 18626

LNM: 29/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-PETALUMA RIVER-BRIDGE**

SMART HAYSTACK LANDING BRIDGE-The bridge will be secured in the closed-to-navigation position from 0800 to 1200 on 03 Oct 20 for needed maintenance. The bridge provides 3.6 feet of vertical clearance above mean high water in the closed position. Vessels that can transit the bridge while closed can continue to do so at any time. In the event of an emergency the bridge can open with 1-hour advance notice. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18654

LNM: 39/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-PETALUMA RIVER-BRIDGE**

SMART BLACKPOINT RAILROAD DRAWBRIDGE-The upstream fender system protecting the swing span has been destroyed and does not offer protection for vessels or the bridge. Mariners are urged to use caution while transiting the bridge. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

**NORTHERN CALIFORNIA-DELTA & RIVERS-PETALUMA RIVER-BRIDGE**

Chart 18654

LNM: 35/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

RIO VISTA DRAWBRIDGE-Temporary platforms are installed beneath low steel of the bridge in spans 2 and 8 reducing vertical clearance in those spans by no more than 4 feet through 31 Oct 20. The upriver and downriver temporary platforms and associated support cables are lit at night with steady burning red lights (see RVBridge\_PlatformCable\_Lighting.pdf enclosure at the end of this notice.) At no time will the lift span of the bridge be impacted. Mariners are urged to use alternate spans of the bridge. For conditions at the bridge, mariners can contact the contractor at 925-260-2104 or 925-260-1884. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18661

LNM: 22/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

PIONEER BRIDGE-Caltrans' contractor has temporarily moored two 130' X 80' barges just upstream on the northwest (West Sacramento riverbank) side of the bridge at a staging area for supplies for the 2020-2021 fender replacement project at the Tower Drawbridge (See Pioneer\_Barge\_Mooring.pdf in the enclosure section of this notice). Barges may or may be at the site depending on the status of work at the Tower Bridge. When moored, the outboard corners of the barges will be lighted at night with steady burning white lights so as to be seen by approaching vessels at 2,000 yds. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18662

LNM: 26/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

ELKHORN FERRY (I-5) BRIDGE-The upstream clearance gauge is missing. For more details or comments contact the Coast Guard Bridge Office at 510-437-3514.

Chart 18664

LNM: 13/19

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

PAINTERSVILLE DRAWBRIDGE-Retrofit of the bridge is being conducted 0700 to 1900 Monday through Friday, through 15 Nov 20. The existing dolphins have been removed and will not be reinstalled until retrofit of the four in-water piers is complete. A 60' X 160' crane barge, a 50' X 160' Kelso barge and a 50' X 150' material barge will be spudded down on-scene during the work. Barges will be unmanned, and remain on scene overnight. The upriver and downriver navigation channel piers will be lighted at night with steady burning all-round red lights. Falsework is being installed around all in-water piers. The falsework will extend 6.75' into the bascule span from the face of piers 3 and 4. The channel-ward edge of the falsework does not extend past the tips of the bascule leafs when the bridge is in the open-to-navigation position. The upriver and downriver corners of the falsework will be lighted at night with steady burning all-round red lights. (See Temp\_Lighting\_Paintersville\_Bridge.pdf at the end of this notice for temporary pier and falsework lighting.)

Due to structural issues and the ongoing retrofit work, the drawspan will be conducting single leaf operations until further notice. The western leaf of the double leaf bascule bridge will open for vessels with a 2-hour advance notification from 0600 to 2200 until 31 Oct 20 and from 0900 to 1700 thereafter, at all other times a 4-hour advance notification is required. From the tip of the western bascule leaf (in the open position) to the end of the eastern leaf (in the closed position) the bridge span provides approximately 77 feet of horizontal clearance and unlimited vertical clearance. For work conditions at the bridge and availability of the drawspan, mariners can contact the contractor at 916-208-6416 or 916-297-2037 or 415-755-5421. Please contact the Coast Guard Bridge Office at 510-437-3516 to comment on this project.

Chart 18662

LNM: 38/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

PIONEER BRIDGE-Caltrans will be conducting underdeck structural repairs and installation of vertical clearance gauges, 24-hours a day, Monday through Friday, through 31 Oct 20. A scooper truck, with an attachment arm and work platform, will be utilized during nighttime hours for underdeck repairs, reducing bridge vertical clearance by no more than 10ft. The work platform will be lighted at night with fixed red lights. For installation of the vertical clearance gauges, an 80'x40' spudded barge will be tied off at various times to the inboard piers of the northwest and southeast navigation spans of the bridge during daylight hours. After normal working hours the unmanned barge will be tied off to piers out of the navigation spans. The barge, "SS PIPER", will be monitoring VHF-FM Chan. 14, and be lighted at night with fixed red lights (see Pioneer\_Barge\_Platform\_Lighting.pdf in the Enclosure Section at the end of this notice). For navigational conditions at the project site, mariners can contact 916-801-6414 or 925-260-0403 or 925-457-5928. Mariners are requested to transit the area with caution. For more details or comments contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18662

LNM: 38/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

TOWER DRAWBRIDGE FENDER REPLACEMENT PROJECT-Caltrans' contractor, Golden State Bridge, is currently replacing the western tower fender from 0700 to 1900, seven days a week, through 31 Oct 20. An 80' X 60' X 7' crane barge and an 80' X 40' X 7' excavator barge will be spudded down just inboard of the west pier during the work day leaving 111' of horizontal clearance in the drawspan for vessels. For the safety of navigation, barges can be moved with a 2-hour advance notice to the Tug SS Piper via VHF-FM Chan. 16. After normal working hours the barges will be moved and spudded down outboard of the west pier, outside the bridge's drawspan. To report a breakaway barge contact 925-726-7085. The barges will be lighted at night with steady burning all-round red lights (see Tower\_Fender\_Barge\_Lighting.pdf in the enclosure section of this notice). At no time during the work will the operation of the drawspan be impeded. For conditions at the work site contact Caltrans at 530-701-2910. For more details or comments contact the Coast Guard Bridge Office at 510-219-4366.

Chart 18662

LNM: 26/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-STANISLAUS RIVER-BRIDGE**

RIPON (CA RTE 99) BRIDGE-Modification of the bridge is in progress. A temporary trestle has been erected across the river to facilitate bridge modification work activities. A San Francisco Coast Guard Captain of the Port Safety Zone has been established in and around the work site restricting mariners from entering the zone without the explicit permission of the Captain of the Port or designated representative. The safety zone is in effect from 1201 on 15 Jun 20 through 2359 on 07 Nov 20. If given permission, vessels transiting the work site will find the temporary navigation span at the center of the river. The temporary navigation span provides at least 9 feet of vertical clearance, from the summer water surface elevation to low steel, and 12 feet of horizontal clearance, in the center of the river. The upriver and downriver center of the temporary navigation channel is marked with an all-round green light and the upriver and downriver navigation channel trestle bents are marked with all-round red lights. (See RiponBridgeTrestleLighting.pdf enclosure at the end of this notice.) Temporary buoys, upriver and downriver of the bridge, mark

**NORTHERN CALIFORNIA-DELTA & RIVERS-STANISLAUS RIVER-BRIDGE**

safe passage for mariners. For information at the project site, mariners can contact the contractor at 916-869-4423; 916-200-8706 or Caltrans at 209-609-4910; 209-470-8790. For further information concerning the project contact the Coast Guard Bridge Office at 510-219-4366.

LNM: 27/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-THREE MILE SLOUGH-BRIDGE**

THREE MILE SLOUGH DRAWBRIDGE-The drawspan is secured in the closed-to-navigation position due to electrical issues. Estimated time of repair is unknown. The bridge provides 12 ft of vertical clearance in the closed position. Vessels that can transit the bridge while closed can continue to do so. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18661

LNM: 36/20

**NORTHERN CALIFORNIA-GROVER BEACH-UNDERWATER OPERATIONS**

Krull Telecom will be conducting dive operations off shore of the city of Grover Beach at 35-07-17N 120-39-01W, until 02 Oct 20. The M/V JAB will be on scene and in support of the installation of telecommunications conduits and will be monitoring Chan. VHF-FM 13 and 16. Mariners are requested to transit at their slowest safe speed to minimize wake and proceed with caution. For more details or comments contact Chris Brungardt at 916-949-9141.

Chart 18700

LNM: 34/20

**NORTHERN CALIFORNIA-HUMBOLDT BAY-DREDGE OPERATIONS**

The Dutra Group will be conducting dredge operations at the Humboldt Bay Bar and Entrance Channels in the vicinity of Humboldt Bay LB 10 (LLNR 8200) 24 hours a day, 7 days a week until 30 Oct 20. All dredged material will be disposed of at HOODS disposal site at 40-48-20N 124-17-17W. D/B STUYVESANT will conduct operations and will be monitoring VHF-FM Chan. 13 and 16. The aids listed below will be temporarily relocated for the extent of dredging operation, and should not be used for navigation:

Humboldt Bay LB 9 (LLNR 8195)

Humboldt Bay LB 10 (LLNR 8200)

Mariners are requested to transit the area with caution. For more details or comments contact Chris Milam at 415-218-6739.

Charts: 18620 18622

LNM: 35/20

**NORTHERN CALIFORNIA-HUMBOLDT BAY-HAZARDOUS CONDITIONS**

Humboldt Bay entrance is observing a reduced deep draft limit to 34' based on a +6' tide until maintenance dredging can be performed. Hazardous conditions with breaking surf and heavy shoaling have been observed in the vicinity of Humboldt Bay Lighted Buoy 9 (LLNR8195). 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: 50/18

**NORTHERN CALIFORNIA-HUMBOLDT BAY-SUBMERGED BUOY**

Two partially submerged spherical orange buoys have been reported offshore in the vicinity of Eel Canyon in approximate position 40-40-28N 124-28-00W. Mariners are requested to transit the area with caution. For more details or comments contact Coast Guard Sector Humboldt Bay at 707-839-6113.

Chart 18622

LNM: 33/20

**NORTHERN CALIFORNIA-MIDDLE RIVER-POTENTIAL OBSTRUCTION TO NAVIGATION**

There is a potential obstruction to navigation in the Middle River at the entrance to Empire Cut at 37-58-18N 121-31-18W. The obstruction is a partially submerged metal pipe. Mariners are requested to transit the area with caution. For more details or comments contact LT Emily Rowan at 415-399-7443.

Chart 18661

LNM: 46/19

**NORTHERN CALIFORNIA-MONTEREY BAY-BUOY DEPLOYMENT**

Kinnetic Laboratories in conjunction with Central Coast Long-term Environmental Assessment Network (CCLEAN) will deploy two water-quality samplers in Monterey Bay, CA at 36-53-20N 121-55-30W and 36-42-40N 121-54-40W from 30 Sep 20 until 15 Nov 20. The samplers 4' white buoys, with two reflective horizontal orange stripes, with a warning label, and FI Y 4s light characteristic. Mariners are requested to transit the area with caution and remain 400' away from the buoys. For more details or comments contact Greg Cotten at 831-239-6192.

Chart 18685

LNM: 38/20

**NORTHERN CALIFORNIA-MORRO BAY AND SAN LUIS OBISPO-WAMS**

The U. S. Coast Guard is conducting a Waterways Analysis Management System (WAMS) study of Morro Bay and San Luis Obispo until 15 Dec 20 and can be found by using the following link:

<https://www.surveymonkey.com/r/MorroBaySanLuisObispo>. This questionnaire seeks to obtain data on the effectiveness of the system of Aids to Navigation in Morro Bay and San Luis Obispo, 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 District 11 Waterways, LTJG LaMartina at Gabriel.W.LaMartina@uscg.mil.

Charts: 18700 18703

LNM: 37/20

**NORTHERN CALIFORNIA-MOSS LANDING-WAVEGLIDER DATA COLLECTION**

Monterey Bay Aquarium Research Institute (MBARI) is conducting 24 hours per day 7 days a week autonomous, unmanned maritime vehicle operations of two Liquid Robotics, Inc. Wavegliders until 31 Dec 20. Vehicles will be deployed in the vicinity of Moss Landing that will operate continuously between latitudes 35-07-12N and 37-12-00N and will extend shoreward as far West as 122-58-35W. Operations consist of scientific ocean data collection. The Waveglider carries no fuel, lubricants or hydrocarbons. It is wave powered and remotely attended from MBARI, moving at speeds of ~1kt, and designed to give way or part if encountered by a vessel. It is approximately 6.5' x 2' (surfboard size), yellow in color, with a contact plaque and mast extending 3' 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, waveglider@listserver.mbari.org or Liquid Robotics 24/7 WGOC Operations at 888-574-

**NORTHERN CALIFORNIA-MOSS LANDING-WAVEGLIDER DATA COLLECTION**

4574.

Chart 18685

LNM: 25/20

**NORTHERN CALIFORNIA-OFFSHORE MONTEREY BAY-BUOY DEPLOYMENT**

University of California, San Diego and the U.S. Army Corps of Engineers have deployed Lighted Waverider Research Buoy Station 029 (LLNR 5791) in position 37-56-12N 123-27-46W, approximately 22 nm west off Pt. Reyes, CA. The buoy is a 3' diameter sphere with an attached telemetry whip antenna and Fl (5) Y 20s light characteristic, the buoy is painted yellow and is marked "Wave Buoy". For more details or comments contact James Behrens at 858-534-3032.

Chart 18010

LNM: 44/19

**NORTHERN CALIFORNIA-OFFSHORE MONTEREY BAY-BUOY DEPLOYMENT**

NOAA has deployed two research buoys at the following coordinates:

36-07-03N 125-08-00W

36-01-40N 125-06-21W

These are 3' yellow octagonal research buoys with Fl W 4s light characteristics. Mariners are requested to transit the area with caution. For more details or comments contact Danny Devereaux at 206-526-6177.

Charts: 501 18010 18020 18022

LNM: 37/19

**NORTHERN CALIFORNIA-OFFSHORE SAN FRANCISCO-OCEANOGRAPHIC OPERATIONS**

The U.S. Army Corps of Engineers will be conducting oceanographic research 50 miles offshore of San Francisco, CA, at the San Francisco Deep Ocean Disposal Site (SF-DODS) in position 37-46-0N 123-36-0W until 02 Oct 20, during daylight hours. Research Vessel OCEANUS will be conducting over the side operations and collection of seafloor sediment samples. R/V OCEANUS will be monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact John Nakayama at 425-967-5285.

Chart 18645

LNM: 37/20

**NORTHERN CALIFORNIA-PARADISE CAY YACHT HARBOR-DREDGE OPERATIONS**

Salt River Construction Corporation is conducting dredge operations in the Paradise Cay Yacht Harbor in Belvedere Tiburon, CA at position 37-54-57N 122-28-29W starting 08 Oct 20 to 30 Nov 20. DB2 along with tug BRANDY BAR and tug IRENE will be on scene monitoring VHF-FM Chan. 13, 14, and 77. SRCC will be deploying 150 ft of debris boom off the entrance channel spit running parallel east to west along the entrance channel of the Paradise Cay Yacht Harbor. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

Chart 18653

LNM: 39/20

**NORTHERN CALIFORNIA-PETALUMA RIVER-MARINE OPERATIONS**

Pacific Dredge & Construction will be conducting continuous dredging operations in Petaluma River between the Turning Basin at 38-14-06N 122-38-15W to 38-12-16N 122-34-17W 24 hours a day, 7 days a week until 28 Oct 20. The Dredge SANDPIPER will be connected to both floating and submerged pipeline which may be up to 14,000 feet long which will be marked with 5.5' yellow buoys with signage that say "Caution Dredge Pipeline" with a light characteristic of Fl A 2s, unlit 30" white buoys with a light characteristic of Fl A 3s, and unlit 30" white markers with signage that says "Danger Submerged Pipeline". D/B CLAMSHELL will be operating between positions 38-12-16N 122-34-17W to 38-4-15N X 122-25-39W 24 hours a day, 7 days a week until 28 Oct 20. D/B CLAMSHELL will be assisted by anchor boat KATHLEEN and ADMIRAL. Tug Boat S. BASS will be transporting dump scows PDC 2001 and PDC 2002 to San Pablo Bay Disposal Site SF-10. All vessels will be monitoring VHF-FM 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Project Manager, Matt MacArthur at 619-533-7932.

Chart 18654

LNM: 33/20

**NORTHERN CALIFORNIA-PINOLE SHOAL-SHOALING**

Pinole Shoal is observing a reduced deep draft on the south side edge of the channel in limited areas to 32.9' until maintenance dredging can be performed. For detail information on depths and locations please see <https://www.spn.usace.army.mil/Missions/Surveys-Studies-Strategy/Hydro-Survey/Pinole-Shoals-Channel/> for the Army Corp Hydro Survey. Mariners are requested to transit the area with caution. For more details or comments contact D11 Waterways Management at 510-437-2980.

Charts: 18654 18655

LNM: 05/19

**NORTHERN CALIFORNIA-PORT OF OAKLAND-DREDGE OPERATIONS**

The Dutra Group will be conducting dredge operations at the Port of Oakland 24 hours a day, 7 days a week until 30 Nov 20. The outer harbor dredging will be between positions 37-48-20N 122-20-35W and 37-49-10N 122-18-34W. The inner harbor dredging will be between 37-47-54N 122-19-34W and 37-47-35N 122-17-42W. All dredged material will be disposed of at SF-DODS in position 37-39-00N 123-29-00W and SF-11 in position 37-45-30N 122-34-12W. DB 24, DB BEAVER, 04 split hull scows, along with tug HEIDI BRUSCO will conduct operations and will monitor VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Mr. Dennis Salyers at 415-497-5289.

Chart 18649

LNM: 39/20

**NORTHERN CALIFORNIA-RICHARDSON BAY-MARINE CONSTRUCTION**

Salt River Construction Corporation will be assisting with marine construction at a private residence in Richardson Bay, CA until 20 Dec 21. M/B YC42, C/B ALASKA, C/B MINK, along with the tug BRANDY BAR will be conducting operations. A mooring location will be located at 37-51-57N 122-27-54W. All vessels 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.

Charts: 18649 18653

LNM: 50/19

**NORTHERN CALIFORNIA-SACRAMENTO RIVER-MARINE CONSTRUCTION**

Dutra Construction Company will conduct marine construction between the I Street Bridge and Tower Bridge at Raley's Landing in Sacramento, CA during daylight hours until Sept 2020. Crane barge 12 along with a work boat and small skiffs will be on scene monitoring VHF-FM Chan. 09, 16, and 68A. Mariners are requested to transit the area with caution. For more details or comments contact Todd Bruce at 707-974-9937.

Chart 18649

LNM: 41/19

**NORTHERN CALIFORNIA-SACRAMENTO RIVER-REDUCED VERTICAL CLEARANCE**

Overhead power cables upstream of Sacramento River at 38-03-54N 121-47-09W have a reported reduced vertical clearance to 119.5'.

Chart 18660

LNM: 22/16

**NORTHERN CALIFORNIA-SACRAMENTO RIVER-SAN JOAQUIN RIVER-MARINE CONSTRUCTION**

Dutra Construction Company will conduct marine construction in the vicinity of Sherman Island and Twitchell Island during daylight hours until 31 Dec 20. Crane barge 12, Crane barge KELSO, along with a work boat LINDA T and small skiffs will be utilized during operations. All vessels will monitor VHF-FM Chan. 09, 16, 77, and 80A. Mariners are requested to transit the area with caution. For more details or comments contact Jason Tse at 415-300-5336.

Chart 18656

LNM: 18/20

**NORTHERN CALIFORNIA-SAN FRANCISCO APPROACH-SPEED REDUCTION**

NOAA and the USCG request that all vessels 300 gross registered tons (GRT) or larger reduce speeds to 10-knots when transiting the San Francisco Traffic Separation Scheme (SF TSS) until 15 Nov 20, to protect endangered blue, humpback and fin whales; see enclosure VSRMap2020\_SF.pdf. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq).

Please report any collisions with whales or any observed injured or dead whales to the U.S. Coast Guard on VHF Channel 16. NOAA is asking for the public's help in tracking whales. Please report sightings through WhaleAlert, a free application available at <http://westcoast.whalealert.org>.

Charts: 18640 18680

LNM: 17/20

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE**

GOLDEN GATE BRIDGE-Four 54' temporary under deck platforms; one 225' and one 1975' north of the south tower and one 175' and one 2025' south of the north tower have been installed at the bridge. Temporary platforms reduce vertical clearance at the bridge by no more than 14'. As the work progresses, the two outer platforms will be moved towards the towers and the two inner platforms moved towards the centerline of the bridge. The bridge's maintenance travelers are in use during the project and will remain outboard of the furthest north and furthest south temporary platforms. The temporary platforms and maintenance travelers are lighted at night with all-round red lights (see PlatformLighting\_GG\_Bridge22Jul20.pdf at the end of this notice). For navigational safety the maintenance travelers can be moved by contacting the Golden Gate Bridge at 415-923-2220. Work is being conducted Monday through Saturday, 0700-1700 and 2100-0500. For conditions at the bridge, mariners can contact the contractor at 415-716-0384. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18649

LNM: 29/20

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE**

SAN MATEO/HAYWARD BRIDGE-Structural repairs to the superstructure of the bridge are being conducted from 0700 to 1530, Monday through Friday, through 15 May 22. Current location of work is at piers 15, 16, 28 and 29. At no time will work be conducted or floating equipment placed in the main navigation span of the bridge, piers 19-20. Various size barges will be used during the project, the largest being a 100' X 20' flexifloat barge. During the work day, barges will either be spudded down or tied to the bridge piers, no anchors or anchor line will be utilized. After regular working hours, the unmanned barge will be left on-site unless inclement weather is anticipated, then the barges will be spudded down at pier 12, west of the main navigation span. For the safety of navigation, the barges can be moved with one-hour advance notice. For conditions at the bridge mariners can contact Golden State Bridge, Inc., on VHF-FM Marine Radio Channels 13, 14, and 16 or by cell phone at 707-246-0725, 925-260-2104, or 925-382-7288. For more details or comments contact the Coast Guard Bridge Office at 510-219-4366.

Chart 18651

LNM: 38/20

**NORTHERN CALIFORNIA-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 Southampton Shoal Light (LLNR 5480). Mariners are requested to transit the area with caution. For more details or comments contact LT Ruth Sadowitz at 510-437-3801 or [ruth.a.sadowitz@uscg.mil](mailto:ruth.a.sadowitz@uscg.mil).

Chart 18649

LNM: 23/15

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-MARINE CONSTRUCTION**

Power Engineering Construction Company is conducting marine construction of the Treasure Island Ferry Terminal and north breakwater in San Francisco Bay, CA daily from 0600-1700 until 31 Dec 20. DB PACIFIC and RINGER will be on scene conducting operations and will utilize temporary anchorage locations at the following coordinates:

- 34-49-05N 122-22-24W
- 37-49-02N 122-22-22W
- 37-49-00N 122-22-21W
- 37-48-58N 122-22-37W
- 37-48-55N 122-22-32W
- 37-48-54N 122-22-31W
- 37-48-53N 122-22-28W

Temporary anchorage locations will be marked with 72" white round buoys with orange stripes and a flash characteristic of Fl W 2s. All vessels will monitor VHF-FM Chan. 14. Mariners are requested to transit the area with caution. For more details or comments contact Wayne Stonecipher at 510-502-1510.

Charts: 18649 18650

LNM: 38/19

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-OAKLAND INNER HARBOR-SHOALING**

Shoaling has been reported on the south side of 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 18650

LNM: 16/15

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-PETALUMA RIVER**

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-PETALUMA RIVER**

Shoaling has been reported east of Petaluma River Entrance Channel Daybeacon 3 (LLNR 5985) in position 38-03-33N 122-27-06W. Shoaling has been reported to be as shallow as 6" up to 15 yds east of the aid. Mariners are requested to transit the area with caution. For more details or comments contact LT Ruth Sadowitz at 510-437-3801 or ruth.a.sadowitz@uscg.mil.

Chart 18654

LNM: 41/18

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-SOUTHAMPTON SHOAL CHANNEL**

The Army Corps of Engineers will be conducting an environmental impact study in the Southampton Shoal Channel as well as dredging operations at 37-54-19N 122-25-22W from 0800-1800 daily until 15 Nov 20. During this timeframe, ten 24" white, cylindrical buoys will be deployed outside of the shipping channel. Mariners are requested to transit the area with caution. For more details or comments contact LT Jennae Cotton at 415-399-3585.

Chart 18649

LNM: 26/20

**NORTHERN CALIFORNIA-SAN FRANCISCO-GEOPHYSICAL SURVEY**

The USGS Pacific Coastal and Marine Science Center is conducting a series of up to five one-day near shore geophysical surveys and up to three rapid-response surveys in Monterey Bay, CA until 01 Nov 21. A bathymetric survey using a two personal watercraft, each equipped with a 200 kHz single beam echo sounder, will be used to conduct cross shore transects from within the surf zone out to 1200m from shore to document the effects of large wave events on seafloor morphology. For more details or comments contact Tim Elfers at 831-460-7479.

Charts: 18680 18685

LNM: 07/20

**NORTHERN CALIFORNIA-SAN JOAQUIN RIVER-DREDGE OPERATIONS**

Ross Island Sand & Gravel Co. is conducting dredge operations in the Stockton Deep Water Ship Channel 24 hours a day 7 days a week until 16 Oct 20. Dredge operations will start in the vicinity of West Island in position 38-01-09N 121-47-51W and finish in position 38-02-43N 121-41-57W. A submerged dredge pipe will come ashore at the following positions:

First-38-01-00N 121-47-47W

Second-38-01-51N 121-45-42W

Third-38-02-41N 121-42-52W

D/V DREDGE 8 will conduct all dredge operations and will monitor 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 18660

LNM: 39/20

**NORTHERN CALIFORNIA-SAN JOAQUIN RIVER-DREDGE OPERATIONS**

Dutra Construction Company will conduct maintenance dredge operations at the Georgia Pacific Dock in the San Joaquin River at 38-00-59N 121-46-32W, 24hrs per day 07 days week until 30 Oct 20. DB 24, 04 split hull scows, along with tugs HEIDI L BRUSCO and BECKY T will conduct operations. All dredged material will be disposed of at Montezuma Wetlands. All vessels will monitor VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Mr. Dennis Salyers at 415-218-6739.

Charts: 18656 18661

LNM: 29/20

**NORTHERN CALIFORNIA-SAN JOAQUIN RIVER-MARINE CONSTRUCTION**

Shimmick Construction Company, Inc. (SCCI) is conducting marine construction for the Smith Canal Gate Project in the San Joaquin Deep Water Shipping Channel from 0600 to 1800 Monday through Saturday until 30 Nov 2022. Operations will be conducted between the following coordinates:

37-57-31N 121-21-11W

37-57-25N 121-21-08W

Staging Yard

37-57-09N 121-19-55W

Mariners are requested to transit the area with caution. For more details or comments contact Tyler Shell at 510-393-0308.

Charts: 18661 18663

LNM: 28/20

**NORTHERN CALIFORNIA-SAN JOAQUIN RIVER-MARINE OPERATIONS**

Dixon Marine Services will be laying a submerged pipeline in the San Joaquin River at the entrance to Buckley Cove at 37-58-40N 121-22-56W from until 31 Dec 20. 4' x 8' Warning boards with a light characteristic of FI Y 1s will mark the position of the submerged pipeline. Survey vessel WIER II and CAT 324 long reach excavator will be on scene during operations. Mariners are requested to transit the area with caution. For more details or comments contact Dixon Marine Services at 415-669-7369.

Charts: 18660 18661

LNM: 31/20

**NORTHERN CALIFORNIA-SAN LEANDRO BAY-BRIDGE**

BAY FARM ISLAND HIGHWAY BRIDGE-The south side lower slat on the fender system is missing. Mariners are urged to transit the bridge with caution. The bridge owner is in the process of designing a replacement pier protection system. For more details or comments contact the Coast Guard Bridge Office at 510-437-3514.

Chart 18649

LNM: 37/18

**NORTHERN CALIFORNIA-SAN PABLO BAY-SUBMARINE CABLE**

Trans Bay Cable LLC owns and operates a chartered submarine cable that experiences intermittent exposures in San Pablo Bay. All vessels are advised not to anchor, use ground tackle, fish, or dredge in the vicinity of 38-03-27N 122-16-22W as this increases the risk of damage violating 47 USC 2. Mariners are requested to transit the area with caution. For more details or comments contact Trans Bay Cable Operations Center at operator@transbaycable.com or 925-427-9744.

Charts: 18654 18655

LNM: 25/20

**NORTHERN CALIFORNIA-SAN PABLO BAY-SUBMERGED OBSTRUCTION**

There are submerged piles partially exposed above the sediment surface south of Pinole Shoal Channel along the 30' contour between 38-03-14N 122-16-26W and 38-03-18N 122-16-15W. The piles are present along the slope of the natural shoal at heights ranging from approximately 1' to 5' above the sediment surface. For more details or comments contact Todd Muelhoefer of Coscol Petroleum Corporation at 719-520-4761.

Charts: 18654 18655

LNM: 47/17

**NORTHERN CALIFORNIA-SANTA CRUZ-HAZARDOUS CONDITIONS**

Santa Cruz Harbor is cautioning mariners of possible hazardous conditions with breaking surf and shoaling that may occur at Santa Cruz Harbor Entrance due to high surf and extreme tidal conditions in the vicinity of 36-57-37N 122-00-06W. Mariners are requested to transit the area with caution. For more details or comments contact Santa Cruz Harbor on VHF-FM Chan. 09 and 16 or at 831-475-6161.

Chart 18685

LNLM: 46/17

**NORTHERN CALIFORNIA-SOUTHERN CALIFORNIA-MONTEREY BAY-CHANNELS ISLANDS-SUB-SURFACE OCEANOGRAPHIC INSTRUMENT MOORING**

The United States Navy, Naval Postgraduate School, Oceanography Department have deployed sub-surface oceanographic instrument moorings until 01 Nov 21. These sub-surface moorings are part of the Monterey Bay and Channel Islands Sound Scape Monitoring Project. These sub-surface moorings are located at the following coordinates:

- 36-47-53N 121-58-34W
- 36-38-53N 121-54-30W
- 34-02-38N 121-54-30W
- 34-05-08N 120-31-24W
- 33-50-56N 120-07-06W
- 34-01-06N 119-19-00W
- 36-22-13N 122-18-53W

Mariners are requested to transit the area with caution. For more details or comments contact Keith Wycoff at 831-656-2567.

Charts: 18685 18700 18720

LNLM: 48/18

**NORTHERN CALIFORNIA-SUISUN BAY-MARINE CONSTRUCTION**

Underwater Resources INC will be constructing a floating pipeline alongside the Valero Benicia Refinery that will extend upstream and northeast along the shoreline from the Crude Oil Dock located on the northern shoreline of the Carquinez Strait between positions 38-03-24N 122-07-20W and 38-03-18N 122-07-11W until 15 Oct 20. The pipeline will be partially submerged and will be marked with blue 55 gallon barrels affixed to the pipeline every 20ft and yellow flashing lights at night. During the period of construction, a 27ft utility work boat and 30ft x 40ft barge also be utilized alongside the entire length of the pipeline to perform both in-water testing and to affix concrete ballast blocks that will be spaced every 10ft along the floating alignment. The pipeline will be securely moored in 20ft of water depth and shall remain out of the main navigational channel, parallel to and as close to the shoreline as the shallow water depth will allow. Mariners are requested to transit the area with caution. For more details or comments contact Tom Belcher at 510-957-5097.

Chart 18656

LNLM: 37/20

**NORTHERN CALIFORNIA-SUISUN MARSH-BOAT LOCKS**

The California Department of Water Resources have installed flashboards across the maintenance channel at the Suisun Marsh Salinity Control Structure, located 2.2 nm from the easterly end of Montezuma Slough at 38-05-36N 121-53-07W. The boat lock will operate daily from 0700-1700 until 31 May 21. Signs and lights are currently posted to warn vessels to avoid the use of the maintenance channel on the east side of the facility. The boat lock signal is a standard traffic light. Whistle signals to request opening are two prolonged blasts followed by two short blasts. VHF-FM Chan. 13 will be monitored during hours of operation. The boat lock is located on the east side of the channel and provides the following clearances: 16 feet horizontally; 9' over the sill at MLLW; 70' 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 50' out from the existing levee. Marker buoys have been placed to identify the area. Mariners are requested to transit the area with caution and be advised that the Salinity Control Structure operations can at times create currents at the site greater than currents in other areas of Montezuma Slough. For more details or comments contact Reza Shahcheraghi at 916-574-2299.

Chart 18656

LNLM: 36/20

**NORTHERN CALIFORNIA-WESTPOINT HARBOR-REDWOOD CITY-DREDGE OPERATIONS**

Lind Marine will conduct dredge operations at Westpoint Harbor Marina in Redwood City, CA at 37-30-50N 122-11-38W from 0600-1800 daily until 30 Oct 20. Vessels will transport dredged material to Alcatraz (SF-11) disposal site. Dredge barge SONNIE DELIGHT and/or DIGBY, 04 dump scows; along with tug BERNICE LIND will be on site monitoring VHF-FM Chan. 11, 13, and 14. Mariners are requested to transit the area with caution. For more details or comments contact Skyler Coleman at 707-291-6367.

Chart 18651

LNLM: 22/20

**SAN FRANCISCO BAY-OAKLAND HARBOR-UNDERWATER REPAIR**

Manson Construction Co. will be performing underwater repair work on the BART Transbay Tube replacing the Anode Sleds and cables until 03 Nov 20. Work will be performed in the following positions near Yuerba Buena Island:

- 37-48-11N 122-22-24W
- 37-48-14N 122-22-09W
- 37-48-19N 122-21-41W
- 37-48-19N 122-21-27W
- 37-48-29N 122-20-43W
- 37-48-31N 122-20-29W
- 37-48-33N 122-20-13W
- 37-48-41N 122-20-17W

D/B EINAR will monitor VHF-FM Chan. 13, 14, 16, 66 and 67. Mariners are requested to transit the area with caution and maintain a 500' radius from work locations. For more details or comments contact Mike Ramos at 510-648-5766.

Chart 18649

LNLM: 31/20

**SOUTHERN CALIFORNIA-SAN PEDRO CHANNEL-BOEING XLUUV OPERATIONS**

Boeing is conducting engineering sea trials for an extra-large unmanned under sea vehicle (USV) called ECHO VOYAGER in the vicinity of the San Pedro Channel and Northeast of Santa Catalina Island until 10 Oct 20 in the areas bound by the following coordinates:

OPAREA 1:

- 33-42-25N 118-19-55W
- 33-39-43N 118-21-36W
- 33-41-13N 118-24-37W
- 33-43-48N 118-22-48W

### **SOUTHERN CALIFORNIA-SAN PEDRO CHANNEL-BOEING XLUVU OPERATIONS**

OPAREA 3:

33-26-33N 118-26-55W

33-25-33N 118-23-59W

33-25-35N 118-21-19W

33-29-14N 118-18-35W

33-31-34N 118-23-31W

33-28-10N 118-26-55W

M/V AMERICAN ISLANDER and Range Boat SB2 will be on scene and monitoring VHF-FM Chan. 16. Mariners are requested to keep 500 yds distance from the USV and M/V AMERICAN ISLANDER. Mariners are requested to transit the area with caution. For more details or comments contact the project manager Ross Peterson at 714-262-1580.

Chart 18022

LNLM: 27/20

### **SOUTHERN CALIFORNIA- DANA POINT TO POINT ARGUELLO - VOLUNTARY SPEED REDUCTION**

NOAA and the USCG request that all vessels 300 gross registered tons (GRT) or larger reduce speeds to 10-knots or less when transiting from Dana Point to Pt. Arguello until 15 Nov 20, to protect endangered whales; see enclosure VSRMap2020\_SC.pdf. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (to protect endangered whales 16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq.). Vessels already transiting south of the northern Channel Islands are also encouraged to transit outside of the voluntary extended area to be avoided to reduce the overlap of ships and endangered whales.

Please report any collisions with whales or any observed injured or dead whales to the U.S. Coast Guard on VHF Channel 16. NOAA is asking for the public's help in tracking whales. Please report sightings through WhaleAlert, a free application available at <http://westcoast.whalealert.org>.

Charts: 18700 18720 18740

LNLM: 17/20

### **SOUTHERN CALIFORNIA- MORRO BAY-MARINE CONSTRUCTION**

Associated Pacific Constructors, Inc. will conduct marine construction at Roses Landing in Morro Bay, CA at 35-21-55N 120-51-13W until 31 Oct 20. A Modular crane barge will be on scene conducting operations and will monitor VHF-FM Chan. 09 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Paul Gillen at 805-772-7472.

Chart 18703

LNLM: 17/20

### **SOUTHERN CALIFORNIA-CATALINA ISLAND-BUOY DEPLOYMENT**

Marine BioEnergy Inc. has deployed a temporary buoy near Catalina Island at 33-28-13N 118-29-33W. This will be a 7' yellow buoy with Fl Y 4s light characteristic. Mariners are urged to transit at their slowest safe speed to minimize wake, and proceed with caution after passing arrangements have been made. For more details or comments contact Cindy Wilcox at 818-653-9017 or 818-952-6018.

Charts: 18746 18757

LNLM: 47/19

### **SOUTHERN CALIFORNIA-CHANNEL ISLAND HARBOR-DREDGE OPERATIONS**

Manson Construction Co. will conduct hydraulic maintenance dredging of Channel Islands Harbor in position 34-09-21N 119-13-46W, 24 hours a day starting 19 Oct 20 to 19 Jan 21. Dredge HR MORRIS, DB FREYA, dredge tender PUP, dredge tender CUB, and survey boat RUSTLER will monitor VHF-FM Chan. 16 and 67. Material will be transported through floating pipeline, submerged pipeline, and shore pipeline to the disposal area. Mariners are requested to transit the area with caution. For more details or comments contact Project Manager Max Oviedo at 206-619-7729.

Chart 18725

LNLM: 39/20

### **SOUTHERN CALIFORNIA-CONSTRUCTION-SAN DIEGO-SAN DIEGO BAY**

Manson Construction Co. is conducting construction activities in San Diego Bay at Naval Base San Diego Pier 8. This project includes demolition of the existing Pier 8 and rebuilding the Pier 8 replacement which will involve pile driving and pier construction utilizing derrick barges and flat barges. The approximate location of the project is 32-40-23N, 117-07-21W. This project is expected to be completed by 21 Apr 21. During construction operations, vessel operators with Manson Construction Co. can be contacted on VHF frequencies 13, 16, and 67. Mariners are requested to transit at their slowest safe speed to minimize wake while in the vicinity of construction operations and proceed with caution after passing arrangements have been made. For more details or comments contact Mr. Jack Fernandez at 904-495-4835.

Chart 18773

LNLM: 20/20

### **SOUTHERN CALIFORNIA-DEL MAR NEARSHORE-BUOY DEPLOYMENT**

Scripps Institution of Oceanography have deployed a buoy 1200 yds off the coast of Del Mar, CA at 32-57-23N 117-16-46W. The wave buoy is a 3' diameter sphere with an attached telemetry whip antenna and a yellow light FL (5) Y 20s. The buoy is painted yellow and marked "Wave Buoy" with the phone number 858-534-3032. Mariners are requested to transit the area with caution. For more details or comments contact James Behrens at 858-534-3032.

Charts: 18740 18765

LNLM: 50/19

### **SOUTHERN CALIFORNIA-DOMINGUEZ CHANNEL-BRIDGE**

TESORO PIPELINE BRIDGE 33-47-42N 118-13-44W -Retrofit and maintenance work will be conducted on the bridge 0600 to 1800, 19 Oct to 30 Oct 20. Divers will be deployed to conduct work. Impacts to navigation include a water jet nozzle, hydraulic Stanley drill and silt curtain. All mariners are requested to transit the area with caution. For conditions at the bridge project site, contact 714-914-5381. For further information concerning this project, contact the Coast Guard Bridge Office at 510-437-3516.

LNLM: 37/20

### **SOUTHERN CALIFORNIA-ENCINITAS-DREDGE OPERATIONS**

Marathon Construction Corp. is conducting dredging and excavating channels within San Elijo Lagoon in the vicinity of 33-00-36N 117-16-30W until 28 Feb 21. The dredging equipment for the main channels will be a 16" cutter-section with 8" and 10" cutter-section dredges being used in the smaller feeder channels. Dredges are anchored and marked with anchor buoys. Mariners are requested to transit the area with with caution at slow speeds to minimize wake. For more details or comments contact Project Manager Jon Ruth at 619-962-1480 or Dane Kost at 619-607-2682.

Chart 18774

LNLM: 02/18

**SOUTHERN CALIFORNIA-ESTERO BLUFFS STATE PARK-SUBMERGED ANCHOR CABLE**

Mariners and surfers in the vicinity of North Cayucos are advised of an anchor cable extending from the surf zone to the grounded F/V POINT ESTERO in the vicinity of Estero Bluffs State Park 35-26-51N 120-55-09W. The anchor cable is marked with multiple orange fenders with the end of cable connected to the vessel. For more details or comments contact Coast Guard Sector LA/LB Command Center at 310-521-3815.

Chart 18703

LNM: 43/17

**SOUTHERN CALIFORNIA-IMPERIAL BEACH-WAVERIDER BUOY**

University of California, San Diego and the U.S. Army Corps of Engineers have deployed a waverider buoy in position 32-34-10N 117-10-08W, approximately 2 NM off Imperial Beach, CA. The buoy is a 3' diameter sphere with an attached telemetry whip antenna and FI (5) Y 20s light characteristic, the buoy is painted yellow and is marked "Wave Buoy". For more details or comments contact James Behrens at 858-534-3032.

Chart 18765

LNM: 35/18

**SOUTHERN CALIFORNIA-LONG BEACH HARBOR-MARINE CONSTRUCTION**

Jilk Heavy Construction Co. will conduct marine construction in the Port of Long Beach, CA for Pier G Berths G12-G15 at 33-44-52N 118-12-22W, 24 hours per day 7 days a week until 31 Oct 20. Work skiffs will be on scene assisting with operations and will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Chad Goodwin 310-505-3903.

Chart 18751

LNM: 10/20

**SOUTHERN CALIFORNIA-LONG BEACH-MARINE EVENT**

The Port of Long Beach is holding the Gerald Desmond Bridge Replacement Opening Ceremony from 1100-1200 on 02 Oct 20 in position 33-45-50N 118-13-15W. The ceremony will consist of 15 vessels ranging from 20ft to 100ft in length. Mariners are requested to transit the area with caution. For more details or comments contact Glenn Farren at 562-708-2653.

Charts: 18749 18751

LNM: 37/20

**SOUTHERN CALIFORNIA-LOS ANGELES-BUOY DEPLOYMENT**

The Sanitation Districts of Los Angeles County have deployed two mooring buoys located on the Palos Verdes Shelf at 33-46-04N 118-25-59W and 33-42-43N 118-20-01W until 03 Oct 20. The moorings have a surface buoy system that consists of a 6' spar approximately 2" in diameter with wraps of SOLAS reflective marine tape and a fluorescent orange radar reflector mounted at the top. Mariners are requested to transit the area with caution. For more details or comments contact Brent Haggin at 562-908-4288 ext. 5672.

Chart 18746

LNM: 27/20

**SOUTHERN CALIFORNIA-LOS ANGELES-MARINE EVENT**

Cabrillo Beach Yacht Club will sponsor the Wet Wednesday sailboat race in Los Angeles Harbor, CA every Wednesday from 1700-2000, until 30 Sep 20. 40 sailing vessels 20'-40' in length will race between Angels Gate and Cabrillo Marina. Mariners are requested to transit the area with caution. For more details or comments contact Jonathan Mitsumori at 949-291-9050.

Charts: 18746 18749

LNM: 08/20

**SOUTHERN CALIFORNIA-LOS ANGELES-SURVEY OPERATIONS**

Vantuna Research Group is conducting sonar survey operations on the Palos Verdes Peninsula, Los Angeles, CA at 33-43-12N 118-20-42W until 28 Feb 21 during daylight hours. M/V NEOCLINUS will be conducting all operations and will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Matt Robart at 541-231-9392.

Chart 18746

LNM: 38/20

**SOUTHERN CALIFORNIA-MISSION BAY-MARINE CONSTRUCTION**

Connolly-Pacific will conduct marine construction to Mission Bay North & Middle Jetties daily from 0700-1900 until 31 Dec 2020. D/B LONG BEACH will use anchors to position itself along the jetties in the following positions:

DB LONGBEACH-32-45-27N 117-15-36W

Anchor 1-32-45-29N 117-15-41W

Anchor 2-32-45-25N 117-15-41W

Anchor 3-32-45-27N 117-15-29W

Anchor 4-32-45-29N 117-15-29W

Mooring Can 1-32-45-59N 117-13-27W

Mooring Can 2-32-45-56N 117-14-33W

Round white cans will mark the location of anchors and are equipped with radar reflectors, and with a light characteristic of FI W 2s. Mooring cans will be placed in Mission Bay Channel along Mariner's Point Park before West Mission Bay Drive Bridge. The M/V PATCONA or M/V LARCONA will monitor VHF-FM chan. 13, 16, and 79A. The D/B LONG BEACH will monitor VHF-FM chan. 79A. Mariners are requested to transit the area with caution. For more details or comments contact Ron Allard at 562-577-0814 or Caleb Shen at 562-577-0735.

Chart 18765

LNM: 30/20

**SOUTHERN CALIFORNIA-MONTEREY BAY-WAVE GLIDER**

The Jupiter Research Foundation (JRF) in collaboration with Monterey Bay Aquarium Research Institute (MBARI) will be conducting 24/7 autonomous, unmanned maritime vehicle operations of four Liquid Robotics, Wave Gliders ([www.liquidr.com](http://www.liquidr.com)) until 30 Jan 21. We plan to deploy the vehicles in the vicinity of Moss Landing that will operate continuously between latitudes 35-07-14 N and 37-12-00 N and will extend shoreward from as far West as 124 W longitude. Operations consist of scientific ocean data collection. Wave Glider carries no fuel, lubricants, or hydrocarbons, is wave powered, remotely attended from JRF or Liquid Robotics Wave Glider Operations Center (WGOC), moving at speeds of approximately 1.5kt, and designed to give way or part if encountered by a vessel transmitting AIS. It is approximately 10' x 2' (surfboard size), green/copper in color, with a contact plaque and mast extending 1 meter above the water surface supporting a flag. Mariners are advised to use caution when transiting the area. For further information, authorities and mariners can contact JRF operations at +1-650-947-9920, or Liquid Robotics 24/7 WGOC Operations at 888-574-4574, +1 408-636-4205.

Chart 18700

LNM: 29/20

**SOUTHERN CALIFORNIA-MOSS LANDING HARBOR-MARINE CONSTRUCTION**

Associated Pacific Constructors Inc. is conducting marine construction in Moss Landing Harbor at position 36-48-05N 121-47-09W during daylight

**SOUTHERN CALIFORNIA-MOSS LANDING HARBOR-MARINE CONSTRUCTION**

hours from 02-15 Oct 20. A Crane Barge will be working around the Visitors Dock along with the Tug BALANA and will be monitoring VHF-FM Chan. 10 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Paul Gillen at 805-234-5055.

Chart 18685

LNM: 38/20

**SOUTHERN CALIFORNIA-OCEANSIDE HARBOR-DREDGING OPERATIONS**

Manson Construction Co. will conduct hydraulic maintenance dredging of Oceanside Harbor at 33-12-35N 117-24-07W until 15 Oct 20. Dredge HR MORRIS, DB FREYA, dredge tender PUP, dredge tender CUB, and survey boat RUSTLER will monitor VHF-FM Chan. 16 and 67. Operations will be 24 hrs. daily, 7 days a week. 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 Max Oviedo at 206-619-7729.

Chart 18774

LNM: 34/20

**SOUTHERN CALIFORNIA-OFFSHORE CORONADO-MARINE EVENT**

The San Diego Yacht Club (SDYC) will sponsor the Yachting Cup Regatta in positions 32-39-30N 117-11-42W and 32-38-00N 117-10-42W from 1000-1630 on 10-11 Oct 20. The regatta will consist of 60 sailboats participating in the regatta in the Coronado Roads at positions 32-39-30N 117-11-42W and 32-38-00N 117-10-42W. Mariners are requested to transit the area with caution. For more details or comments, contact Jeff Johnson at 619-758-6310.

Chart 18773

LNM: 39/20

**SOUTHERN CALIFORNIA-OFFSHORE LOS ANGELES-MARINE CONSTRUCTION**

Connolly Pacific is conducting marine construction offshore Los Angeles, CA at 33-43-17N 118-20-43W for the Bunker Reef restoration project during daylight hours until 31 Oct 20. Three offshore 6" by 12" cylinder can moorings with steady burning all-round white lights will be utilized during operations. DB LONG BEACH and support tugs LARCONA or PATCONA II will be on scene monitoring VHF-FM Chan. 16 and 79A. Mariners are requested to transit the area with caution. For more details or comments contact Justin Chin Wong at 562-577-0717.

Charts: 18740 18746

LNM: 13/20

**SOUTHERN CALIFORNIA-OFFSHORE LOS ANGELES-RECOVERY DIVE OPERATIONS**

The California Lost Fishing Gear Recovery Project is being conducted in up to 16 fathoms of water off the Los Angeles, Orange and San Diego County coasts. during daylight hours until 30 Sep 20. F/V TRITON and divers will be utilized for recovery operations and will monitor VHF-Chan. 08 and 16. Mariners are requested to transit the area with cautions. For more details or comments contact Kirsten Gilardi at 530-304-1241.

Chart 18740

LNM: 37/20

**SOUTHERN CALIFORNIA-OFFSHORE PT. CONCEPTION TO DEL MAR-OCEANOGRAPHIC OPERATIONS**

Research vessel SALLY RIDE is conducting surface to floor oceanographic operations offshore Pt. Conception to Del Mar, CA from 0800 to 1600 on 11-26 Oct 20. Research vessel SALLY RIDE will monitor VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Daniel Schuller at 858-534-2888.

Charts: 18720 18740

LNM: 36/20

**SOUTHERN CALIFORNIA-OFFSHORE SAN DIEGO-SAN CLEMENTE ISLAND-MILITARY OPERATIONS**

The U.S. Navy will conduct continuous military operations offshore San Diego, CA, 24 hours a day, 7 days a week until 0100 30 Dec 20 within the following coordinates:

- A.
- 32-33-00N 118-25-00W
- 32-35-00N 118-16-00W
- 32-35-00N 117-40-00W
- 31-55-00N 117-40-00W
- 31-55-00N 118-25-00W
- 32-33-00N 118-25-00W
- B.
- 32-52-40N 119-12-01W
- 33-08-04N 118-51-46W
- 32-08-04N 118-46-02W
- 33-05-37N 118-43-34W
- 32-58-53N 118-43-31W
- 32-47-38N 118-32-19W
- 32-36-55N 118-44-54W
- 32-36-55N 118-56-57W
- C.
- 32-55-00N 118-25-00W
- 32-55-00N 118-15-00W
- 32-40-00N 118-15-00W
- 32-40-00N 118-35-00W
- 32-45-00N 118-35-00W

Mariners are requested to transit the area with caution. For more details or comments contact FACSFAC schedules at 619-545-1758.

Charts: 18740 18762

LNM: 04/20

**SOUTHERN CALIFORNIA-OFFSHORE SAN DIEGO-SANTA CATALINA ISLAND-DIVING OPERATIONS**

U.S. Navy Undersea Rescue Command will conduct dive operations offshore San Diego, CA 24 hours 07 days a week until 01 Jan 21 within 1 nm of the following coordinates:

- 32-51-57N 117-26-37W
- 33-23-26N 118-20-00W
- 32-47-00N 117-21-30W

The HOS DOMINATOR will be on scene monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution and keep a safe distance of 1nm. For more details or comments contact ETVC Hickman at 619-545-9677.

**SOUTHERN CALIFORNIA-OFFSHORE SAN DIEGO-SANTA CATALINA ISLAND-DIVING OPERATIONS**

Chart 18740

LNM: 29/20

**SOUTHERN CALIFORNIA-POINT CONCEPTION-WAVERIDER BUOY**

University of California, San Diego and the U.S. Army Corps of Engineers have deployed a waverider buoy (Station 222-Santa Lucia Escarpment) in position 34-46-00N 121-29-48W, approximately 54 nm northwest of Point Conception, CA. The buoy is a 3' diameter sphere with an attached telemetry whip antenna and Fl (5) Y 20s light characteristic, the buoy is painted yellow and is marked "Wave Buoy". For more details or comments contact James Behrens at 858-534-3032.

Chart 18700

LNM: 41/18

**SOUTHERN CALIFORNIA-POINT CONCEPTION-WAVERIDER BUOY**

University of California, San Diego and the U.S. Army Corps of Engineers have deployed a waverider buoy (Station 071-Harvest Buoy) in position 34-27-06N 120-46-48W, approximately 16 nm west of Point Conception, CA. The buoy is a 3' diameter sphere with an attached telemetry whip antenna and Fl (5) Y 20s light characteristic, the buoy is painted yellow and is marked "Wave Buoy". For more details or comments contact James Behrens at 858-534-3032.

Charts: 18700 18720 18721

LNM: 41/18

**SOUTHERN CALIFORNIA-POINT MUGU-BUOY DEPLOYMENT**

Scripps Institution of Oceanography has deployed an atmospheric sampling buoy south of Point Mugu, CA in position 34-03-12N 119-09-47W. The yellow buoy will be exposed 12' above the waterline and will be flashing FL 1 Y 4s. For more details or comments contact Lisa Hazard at 858-822-2873.

Charts: 18720 18725

LNM: 26/18

**SOUTHERN CALIFORNIA-PORTS OF LOS ANGELES/LONG BEACH-CERRITOS CHANNEL-BRIDGE**

REPLACEMENT SCHUYLER HEIM BRIDGE CONSTRUCTION-Two temporary trestles are in place between the Henry Ford Railroad Bridge and the replacement bridge. The replacement bridge provides 75' of horizontal clearance and 45' of vertical clearance from mean high water to low steel. Work is taking place from 0600 to 1600, Mon-Fri. For conditions at the bridge, mariners can contact Caltrans at 562-572-5852, 310-882-3160, 949-394-9168, 310-715-9500; or the contractor at 818-489-5772, 909-322-4424. Mariners are requested to transit the area with caution. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18749

LNM: 38/20

**SOUTHERN CALIFORNIA-PORTS OF LOS ANGELES/LONG BEACH-LA/LB HARBOR-BRIDGE**

VINCENT THOMAS BRIDGE-Painting of the under deck of the bridge continues. A 180' long platform is being erected below low steel of the bridge, just to the east of the west channel margin red light, reducing vertical clearance by 5' 4". Once a 90' section is complete, that section of the platform will be moved to the east, in a leap frog technique. The platform will migrate towards the east until it reached 250' west of centerline of the bridge span. Each corner and every 50' along the upstream and downstream side of the platform will be lighted at night with steady burning red lights (see V\_Thomas\_Platform\_Lighting1.pdf at the end of this notice). Work will take place during daylight hours, Monday through Friday. For conditions at the bridge mariners can contact 213-479-4138, 213-479-1144 or 310-261-9552. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

GERALD DESMOND BRIDGE REPLACEMENT PROJECT-Underdeck platforms have been installed to conduct finishing work on the replacement bridge. The platforms are above low steel of the existing being replaced bridge. There is no reduction in vertical clearance in the navigation channel. For conditions at the work site, mariners can contact the contractor via marine radio on VHF-FM CH 13 and 79 or by cell at 424-230-9925. For more details view the website, [www.NewGDBridge.com/Waterway](http://www.NewGDBridge.com/Waterway), or contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18749

LNM: 38/20

**SOUTHERN CALIFORNIA-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 \$90,901.00. Furthermore, if a mariner holds a Merchant Mariner Credential, suspension or revocation action may be pursued against the mariner's credential. For more details see MSSB 02-16 SCI Safety Zone.pdf in the enclosure section.

Chart 18762

LNM: 41/16

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-BRIDGE**

CORONADO BAY BRIDGE MAINTENANCE-Scaffolding installed between piers 11-12, 12-13, and 13-14, reduces vertical clearance by more than 8'. The upstream and downstream lower edges of the scaffolding are lighted at night with red lights. For more details or comments contact the Coast Guard Bridge Office at 510-437-3461.

Charts: 18772 18773

LNM: 13/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-DREDGE OPERATIONS**

Dutra Construction Company will be conducting dredge operations in San Diego Bay, CA within security zone 165.1101, 24 hours a day, 7 days a week until 01 Nov 20. The dredge barge EM 1106 will conducting operations and will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Andrew Hunt at 415-847-6640.

Chart 18773

LNM: 12/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-DREDGING OPERATIONS**

R.E. Staite Engineering Inc. will be conducting dredging operations from 19 Oct 20 to 20 Nov 20 in San Diego Bay at position 32-41-18N 117-14-02W. Dredge DB PALOMAR and crew boat JOHN DRAKE will be performing dredging operations with tug CUYAMACA as well as support vessels CLARENCE D, HAROLD M, MIKE J and ROB P to assist the material and equipment barges to the work site. All vessels will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Robbin Pepper at 619-524-8532 or Erick

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-DREDGING OPERATIONS**

Myers at 619-233-0178.

Chart 18772

LNM: 38/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-DREDGING OPERATIONS**

R.E. Staite Engineering Inc. will be conducting dredging operations until 15 Oct 20 in San Diego Bay at position 32-41-18N 117-14-02W. Dredge DB PALOMAR, crew boat JOHN DRAKE, RES 3001 and 3002 will be performing dredging operations with tug CUYAMACA as well as support vessels CLARENCE D and HAROLD M to assist the material and equipment barges to the work site. All vessels will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Robbin Pepper at 619-524-8532 or Erick Myers at 619-233-0178.

Charts: 18772 18773

LNM: 36/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION**

R.E. Staite Engineering Inc. will conduct marine construction at Huntington Ingalls Industries-Piers 2-5 at 32-41-36N 117-09-04W until 31 Dec 20. Vessels DB PALOMAR, RES 180, JOHN DRAKE, JEANIE R, and tug CUYAMACA will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773

LNM: 10/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION**

R.E. Staite Engineering Inc. is conducting marine construction at Huntington Ingalls Industries-Pier 7 Marginal Wharf at 32-41-36N 117-09-04W until 31 Dec 20. Vessels DB PALOMAR, RES 180, JOHN DRAKE, JEANIE R, and tug CUYAMACA will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773

LNM: 50/19

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION**

Marathon Construction Corporation is conducting demolition at Naval Base Point Loma Pier 5002 at 32-41-15N 117-14-09W, until October 2020. There will be 02 small flat bottom work skiffs 5'x14' and 03-04 work floats 6'x15' will be moored adjacent to Pier 5002. Mariners are requested to transit at their slowest safe speed to minimize wake and proceed with caution when passing. For more details or comments contact Marathon Construction's project manager Tim Meyer 619-843-8975.

Chart 18773

LNM: 28/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION**

R.E. Staite Engineering Inc. will conduct marine construction at NASSCO Graving Dock Cofferdam berth at position 32-41-16N 117-08-16W until 30 Nov 20. CB AMERICAN 11320 along with push boat JEANIE R will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773

LNM: 15/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION**

R.E. Staite Engineering Inc. will conduct marine construction at NASSCO Berths 09 and 10 at position 32-41-04N 117-08-24W until 31 Dec 20. DB PALOMAR along with push boat JEANIE R will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773

LNM: 15/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION**

R.E. Staite Engineering Inc. will conduct marine construction at NASSCO Berth 07 at position 32-41-35N 117-09-03W until 31 Dec 20. Vessel DB PALOMAR, RES 180, along with push boat JEANIE R in conjunction tug CUYAMACA will conduct operations. All vessels will monitor VHF-FM Chan 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For concerns or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773

LNM: 20/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION**

R.E. Staite Engineering Inc. will conduct marine construction at Naval Base Point Loma piers 5000 and 5003 at 32-41-18N 117-14-04W until 31 Dec 20. Vessels DB PALOMAR, RES 180, push boats JEANIE R, and tug CUYAMACA will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773

LNM: 14/20

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-NAVY ESTUARY-BRIDGE**

NIMITZ PEDESTRIAN BRIDGE-The red pier light on the south side of pier 5 is extinguished. Estimated time of repair is unknown. For more details or comments contact the Coast Guard Bridge Office at 510-437-3514.

Charts: 18772 18773

LNM: 33/20

**SOUTHERN CALIFORNIA-SAN DIEGO COUNTY-GEOGRAPHICAL SURVEY**

Merkel & Associates will be conducting nearshore geographical survey operations along the shoreline between Encinitas and Del Mar, CA until 30 Nov 20. The operations will be conducted from a 22' weldcraft surveying vessel. The surveying vessel will have limited mobility and will conduct parallel courses along the shoreline at slow speeds and will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Keith Merkel at 858-560-5465.

Chart 18740

LNM: 32/20

**SOUTHERN CALIFORNIA-SAN DIEGO RIVER-BRIDGE**

WEST MISSION BAY DRIVE BRIDGE-The City of San Diego is replacing the existing bridge. A temporary work trestle, providing a vertical clearance of 8' over Mean Sea Level and open channels between silt curtains, is in place. Scheduled completion date of the bridge replacement project is November 2022. Mariners are urged to use caution while navigating the replacement bridge work site. For more details or comments contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18765

LNM: 34/19

**SOUTHERN CALIFORNIA-SAN DIEGO-MARINE CONSTRUCTION**

Marathon Construction Corporation is conducting marine construction at Quaywall Piers 2 to 5 at Naval Base San Diego, CA at 32-39-44N 117-07-17W, until 01 Jan 21. A 60' x 120' crane barge will be spudded and anchored down adjacent to the quaywall. A 50'x100' materials barge, 30'x60' materials barge, and 28'x90' materials barge will be moored adjacent to the crane barge on site. White anchor buoys with steady white lights will be utilized on site. Mariners are requested to transit at their slowest safe speed to minimize wake and proceed with caution when passing. For more details or comments contact Marathon Construction's project manager Tim Meyer at 619-843-8975.

Chart 18773

LNM: 34/20

**SOUTHERN CALIFORNIA-SAN DIEGO-MARINE CONSTRUCTION**

Marine Taxonomic Services, Ltd. is conducting construction in vicinity of San Diego Bay, CA at position 32-37-16N 117-07-53W until 20 Oct 2020. A crane barge will be utilized during the construction and will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Mr. Sergio Gonzalez at 619-253-9106.

Chart 18773

LNM: 32/20

**SOUTHERN CALIFORNIA-SAN DIEGO-OCEANOGRAPHIC SURVEY-OCEAN MONITORING**

City of San Diego Marine Biology Lab is conducting year-round ocean monitoring sampling in the vicinity of South Bay Ocean Outfall and Point Loma Ocean Outfall until November 2020. Ocean sampling will be conducted within the following coordinates:

1.

32-31-55N 117-11-11W

32-32-11N 117-11-58W

32-32-04N 117-12-07W

32-32-33N 117-11-56W

2.

32-40-10N 117-19-23W

32-40-05N 117-19-34W

32-39-37N 117-19-32W

32-39-57N 117-19-39W

32-40-11N 117-16-56W

The M/V OCEANUS and M/V MONITOR III when in the area will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Adriano Feit at 619-758-2377 or 858-882-7055.

Charts: 18765 18772

LNM: 46/19

**SOUTHERN CALIFORNIA-SAN NICHOLAS ISLAND-ATMOSPHERIC BUOY**

Naval Air Systems Command has deployed an atmospheric sampling buoy in position 33-15-30N 119-35-58W. The yellow buoy extends 10 ft above the waterline and is 4 ft in diameter, it is flashing F1 Y 4s. For further details or comments contact Kyle Edwards at 805-989-0672 or Robi Garcia at 805-989-5040.

Chart 18740

LNM: 18/20

**SOUTHERN CALIFORNIA-SAN NICOLAS ISLAND-SANTA ROSA ISLAND-FISHING OPERATIONS**

Ventura County Commercial Fisherman's Association member fishing vessels are conducting fishing operations in the vicinity of 33-35-13N 120-16-04W and 33-08-30N 119-52-03W. Fishing gear will be marked by colored floats up to 30 inches in diameter and high flyer pole with radar reflector and light. Mariners are requested to use caution when transiting the area. Vessels may be contacted on VHF-FM Chan. 11 or 16. For more details or comments contact Tim Athens at 805-448-4455.

Chart 18720

LNM: 42/19

**SOUTHERN CALIFORNIA-SANTA BARABRA HARBOR-WAMS**

The U. S. Coast Guard is conducting a Waterways Analysis Management System (WAMS) study of Santa Barbara Harbor until 15 Dec 20 and can be found by using the following link: <https://www.surveymonkey.com/r/SantaBarbraHarbor>. This questionnaire seeks to obtain data on the effectiveness of the system of Aids to Navigation in Santa Barbara 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 District 11 Waterways, LTJG LaMartina at Gabriel.W.LaMartina@uscg.mil.

Chart 18725

LNM: 37/20

**SOUTHERN CALIFORNIA-SANTA CATALINA ISLAND-MARINE CONSTRUCTION**

Connolly Pacific will conduct marine construction offshore San Clemente Pier, CA for the Wheel North Reef expansion project during daylight hours until 31 Sep 20. Three offshore 6x12" cylinder can moorings with steady burning all-round white lights will be utilized during operations. DB LONG BEACH and support tugs LARCONA or PATCONA II will be on scene monitoring VHF-FM Chan. 16, 77, and 79A. Mariners are requested to transit the area with caution. For more details or comments contact Justin Chin Wong at 562-577-0717.

Chart 18774

LNM: 15/20

**SOUTHERN CALIFORNIA-SANTA CATALINA ISLAND-ROCK LOADING OPERATIONS**

Connolly Pacific is conducting marine construction and rock loading operations at Empire landing Quarry on Santa Catalina Island, CA during daylight hours until 31 Oct 20. Two offshore 6x12" cylinder can moorings with steady burning all-round white lights will be utilized during operations. DB LONG BEACH and support tugs LARCONA or PATCONA II will be on scene monitoring VHF-FM Chan. 16, and 79A. Mariners are requested to transit

**SOUTHERN CALIFORNIA-SANTA CATALINA ISLAND-ROCK LOADING OPERATIONS**

the area with caution. For more details or comments contact Justin Chin Wong at 562-577-0717.

Chart 18661

LNM: 15/20

**SOUTHERN CALIFORNIA-SANTA MONICA-BUOY DEPLOYMENT**

A Waverider buoy has been deployed 1 NM South of Topanga Beach in position 34-01-19N 118-34-42W in 65 ft of water. The buoy will be deployed indefinitely. The buoy is operated by Scripps Institute of Oceanography. The buoy is a 3 ft diameter sphere with an attached telemetry whip antenna and a light characteristic of Fl Y (5+1)20s. The buoy is painted yellow and marked "Wave Buoy" with the phone number 858-534-3032. For further comments or details contact James Behrens at 858-534-3032.

Chart 18744

LNM: 34/20

**SOUTHERN CALIFORNIA-VENTURA BEACH-PIPELINE RECOVERY OPERATIONS**

Longitude 123, Inc. will conduct pipeline recovery operations in Ventura, CA in the vicinity of position 34-18-00N 119-22-00W during daylight hours until 30 Sep 20. Mariners are requested to transit the area with caution. For more details or comments contact Scot Anderson at 805-796-1235.

Charts: 18720 18725

LNM: 35/20

**SOUTHERN CALIFORNIA-VENTURA-GEOPHYSICAL SURVEY**

FUGRO USA MARINE INC. will be conducting a Geophysical and Bathymetric Survey until 02 Oct 20 during daylight hours, offshore of Ventura, CA in the following positions or see VENTURA\_GEOPHYSICAL SURVEY.pdf in the enclosure section of the LNM:

34-15-22N 119-17-34W

34-14-59N 119-17-35W

34-15-05N 119-16-20W

34-15-27N 119-16-27W

The M/V JULIE ANN will be towing up to 300 ft of cable and will monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Eddie Stutts or Cindy Pratt at 805-650-7000.

Chart 18725

LNM: 36/20

**SOUTHERN CALIFORNIA-SAN DIEGO-SMALL BOAT OPERATIONS**

The U.S. Navy will be conducting unmanned surface vehicle (USV) operations until 02 OCT 20 approximately 10 nautical miles west of Mission Bay near position 32-36-19N 117-25-15W. Operations will consist of scientific ocean data collection using multiple USV deployed from a 42 ft research vessel. The wave glider is a surfboard size craft approximately 10 ft long and 3 ft wide with only a few inches of freeboard. It has a 3 ft mast with orange flag and fixed all around white light. It has a cruising speed of approximately 1 knot and a restricted ability to maneuver, however it is designed to give way if encountered by a vessel. During testing the wave gliders will be directed to transit three racetrack paths near the specified coordinates. The vessel will monitor VHF-FM Chan. 16. Due to USV restricted maneuverability, mariners are requested to transit the area with caution and to maintain a safe distance of 1000 yds from these systems. For more details or comments contact Jennifer Pels at jennifer.pels@spawar.navy.mil.

Charts: 18740 18772

LNM: 38/20

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**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
<b>None</b>							

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**PUBLICATION CORRECTIONS**

**ANNOUNCEMENT – U.S. Coast Pilot® 7 and U.S. Coast Pilot® 10 - NEW EDITIONS – Spring 2020**

U.S Coast Pilot 7 will be divided into two editions in the spring 2020 due to its large size. The following are the projected new editions that will be issued on the same date and ready for free download and weekly updates on June 9, 2020, at [nauticalcharts.noaa.gov/publications/coast-pilot/index.html](http://nauticalcharts.noaa.gov/publications/coast-pilot/index.html).

PUBLICATION–National Oceanic Atmospheric Administration (NOAA) – U.S. Coast Pilot 7, Pacific Coast: California 52nd Edition, 2020

PUBLICATION–National Oceanic Atmospheric Administration (NOAA) – U.S. Coast Pilot 10, Pacific Coast: Oregon, Washington, Hawaii and Pacific Islands 1st Edition, 2020

Only Print-on-Demand bound copies are available for purchase; visit [nauticalcharts.noaa.gov/publications/print-agents.html#coast-pilot](http://nauticalcharts.noaa.gov/publications/print-agents.html#coast-pilot)

For any questions or comments; visit [nauticalcharts.noaa.gov/customer-service/assist/](http://nauticalcharts.noaa.gov/customer-service/assist/)

NOAA Office of Coast Survey's Nautical Publications Branch  
April 2020

LNM: 18/20

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**ENCLOSURES**

**REPORT OF DELAY AT DRAWBRIDGE**

[Delay\\_Report\\_11-2017.pdf](#)

Use link above to Report a Delay at a Drawbridge.

LNM: 06/07

**ARIZONA-COLORADO RIVER-BRIDGE**

[Cibola\\_Alternate\\_Channel.pdf](#)

CIBOLA FARMERS BRIDGE- See link above for temporary underdeck platform lighting and alternate navigation channel lighting.

LNM: 37/20

**NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE**

[BonAirRd\\_Trestle.pdf](#)

See link above for Bon Air Rd Temporary Trestle Navigation Channel.

LNM: 29/18

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

[Pioneer\\_Barge\\_Mooring.pdf](#)

See enclosure above for the Pioneer Bridge Barge Mooring Diagram.

LNM: 25/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

[Tower\\_Fender\\_Barge\\_Lighting.pdf](#)

See link above for the Tower Drawbridge Pier Protection Replacement Project: Barge Placement and Lighting Diagram.

LNM: 25/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

[RVBridge\\_PlatformCable\\_Lighting.pdf](#)

RIO VISTA DRAWBRIDGE-See enclosure above for temporary platform location and lighting.

LNM: 22/20

**SAN CLEMENTE ISLAND-SAFETY ZONES**

[San Clemente Safety Zone.pdf](#)

See link above for Maritime Safety and Security Bulletin 001-19.

LNM: 49/19

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE**

[PlatformLighting\\_GG\\_Bridge\\_22Jul20.pdf](#)

GOLDEN GATE BRIDGE-Temporary Platform Location and Lighting revised 22 Jul 20.

LNM: 29/20

**NORTHERN CALIFORNIA-SAN FRANCISCO APPROACH-SPEED REDUCTION**

[2020 NOAA WHALE.pdf](#)

See enclosure above.

LNM: 18/20

**SOUTHERN CALIFORNIA-POINT ARGUELLO-POINT CONCEPTION-SURVEY**

[Aqueos pipeline inspection.pdf](#)

see enclosure below

LNM: 31/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-STANISLAUS RIVER-BRIDGE**

[RiponBridgeTrestleLighting.pdf](#)

CA ROUTE 99 BRIDGE-See enclosure above for temporary trestle and lighting. Updated 07 Jul 20.

LNM: 27/20

**NORTHERN CALIFORNIA-SAN FRANCISCO APPROACH-SPEED REDUCTION**

[VSRMap2020\\_SF.pdf](#)

See enclosure above.

LNM: 17/20

**SOUTHERN CALIFORNIA- DANA POINT TO POINT ARGUELLO - VOLUNTARY SPEED REDUCTION**

[VSRMap2020\\_SC.pdf](#)

See enclosure above.

LNM: 17/20

**SOUTHERN CALIFORNIA-VENTURA-GEOPHYSICAL SURVEY**

[VENTURA\\_GEOPHYSICAL SURVEY.pdf](#)

See link above.

LNM: 36/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

[Pioneer\\_Barge\\_Platform\\_Lighting.pdf](#)

See enclosure above for Pioneer Bridge Barge and Platform Lighting/Locations.

LNM: 37/20

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**

[Temp\\_Lighting\\_Paintersville\\_Bridge.pdf](#)

PAINTERSVILLE BRIDGE-See enclosure above for temporary pier and falsework lighting.

LNM: 38/20

**SOUTHERN CALIFORNIA-PORTS OF LOS ANGELES/LONG BEACH-LA/LB HARBOR-BRIDGE**

[V\\_Thomas\\_Platform\\_Lighting1.pdf](#)

See link above for platform lighting for Vincent Thomas Bridge.

LNM: 28/19

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THE LOCAL NOTICE TO MARINERS IS AVAILABLE ON THE WORLD WIDE WEB AT [HTTPS://WWW.NAVCEN.USCG.GOV](https://www.navcen.uscg.gov)

D. Negron-Alicea, CDR  
U.S. Coast Guard  
Chief Waterways Management Branch

**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 \_\_\_\_\_

13. 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 return to:

Commander (dpw)  
Eleventh Coast Guard District  
Coast Guard Island, Building 50-2  
Alameda, CA 94501-5100  
Attn: Bridge Office

Fax: (510) 437-5836

Email: [Carl.T.Hausner@uscg.mil](mailto:Carl.T.Hausner@uscg.mil)

Questions? Please contact: Carl Hausner, Bridge Administrator, Eleventh Coast Guard District

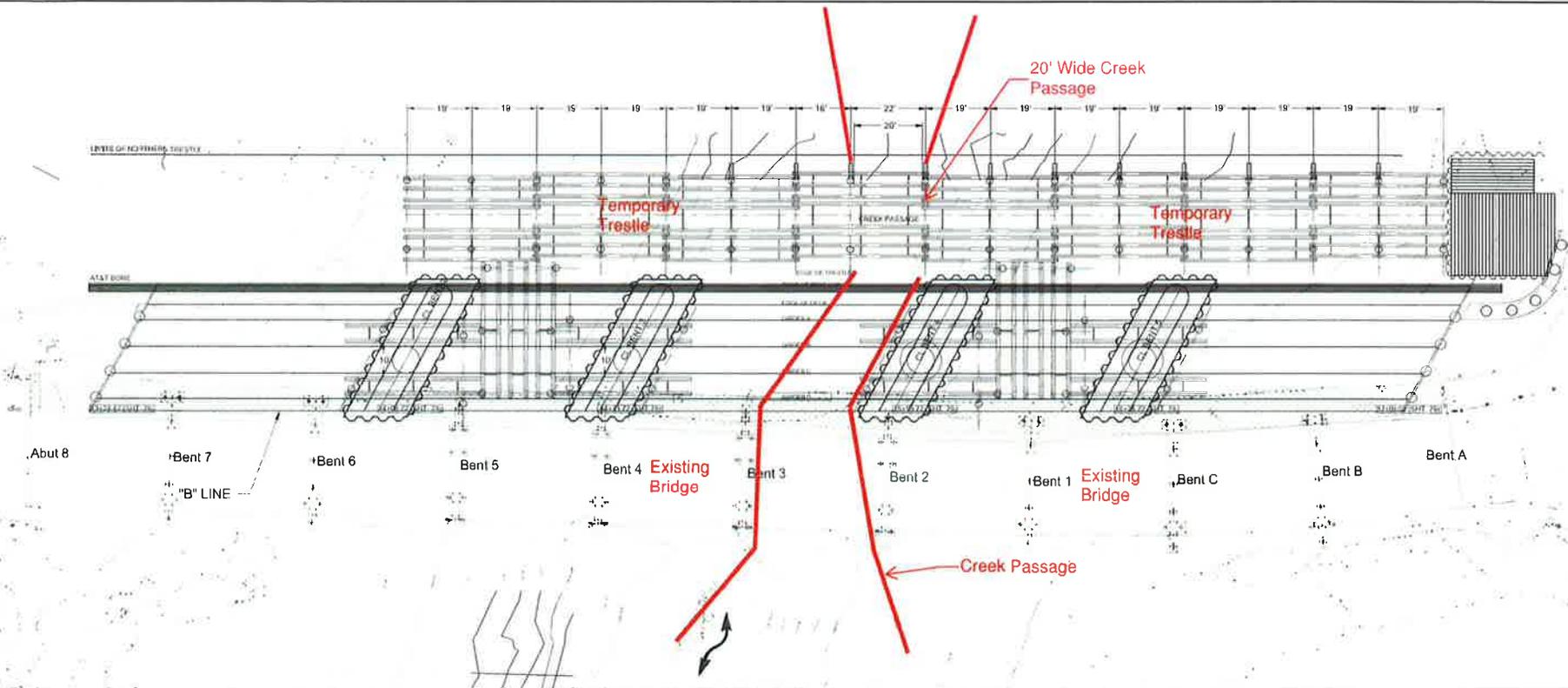
Office: (510) 437-3516

Cell: (510) 219-4366

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

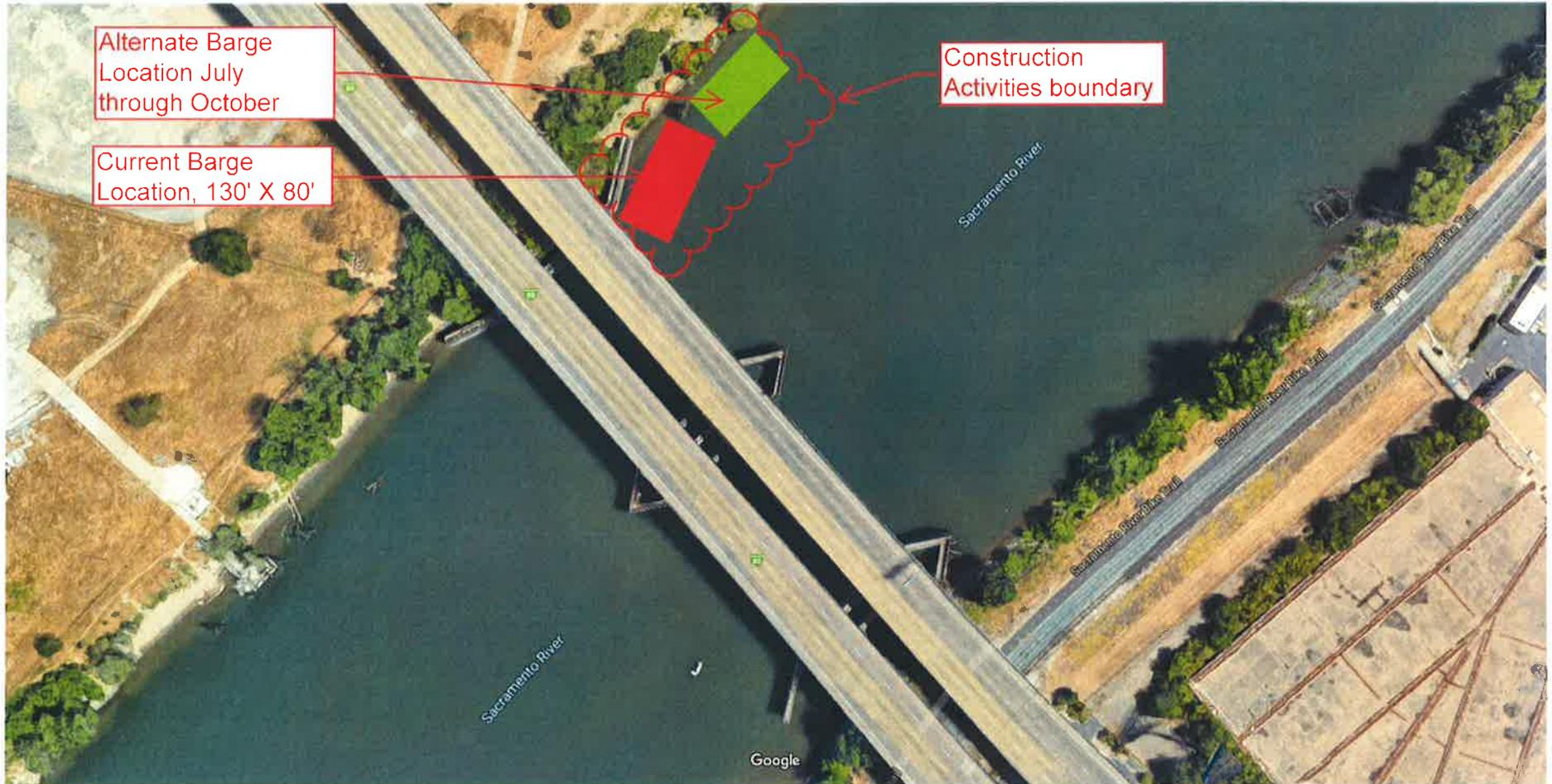


# Bon Air Rd Bridge Replacement Project Mile 2.2, Corte Madera Creek



**Cofferdams and a temporary trestle will be installed to facilitate construction of the replacement bridge. The temporary trestle will provide a center creek navigation channel with at least 20 feet of horizontal clearance and 3 feet of vertical clearance, from mean high water to the lowest hittable portion of the trestle, for waterway users. Mariners are urged to use extreme caution when transiting the construction site.**

## Temporary Barge Mooring Pioneer Bridge, mile 58.2, Sacramento River

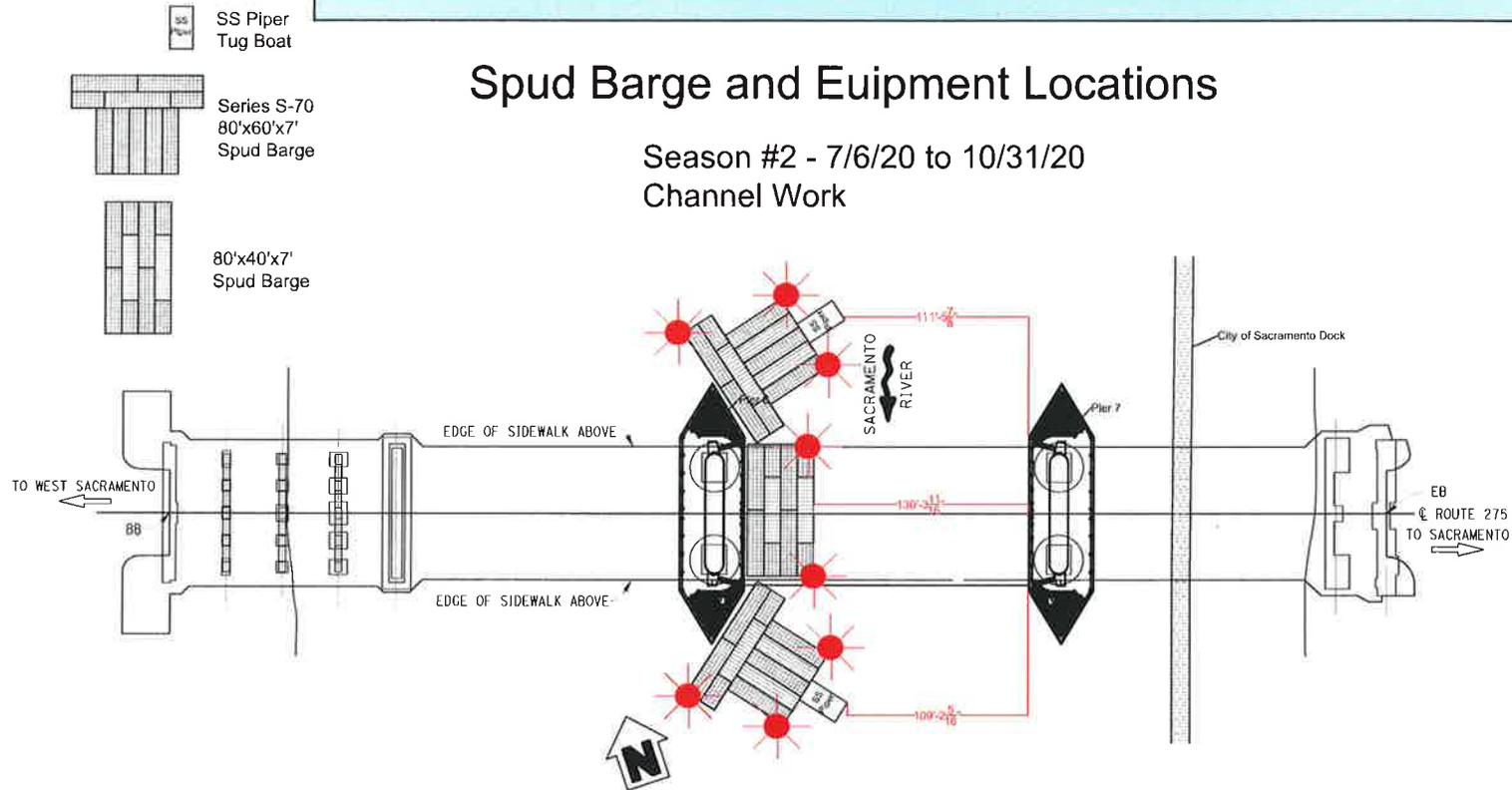


Two work barges, 130' X 80' will be temporarily moored northwest of the Pioneer Bridge on the West Sacramento river bank during the replacement of the pier protection system project at the Tower Drawbridge. The outboard corners of the barges will be lighted at with steady burning white lights so as to be seen by approaching vessels at 2,000 yards.

Fender Replacement Project-Barge Placement and Lighting  
 Tower Drawbridge  
 Mile 59.0 over the Sacramento River

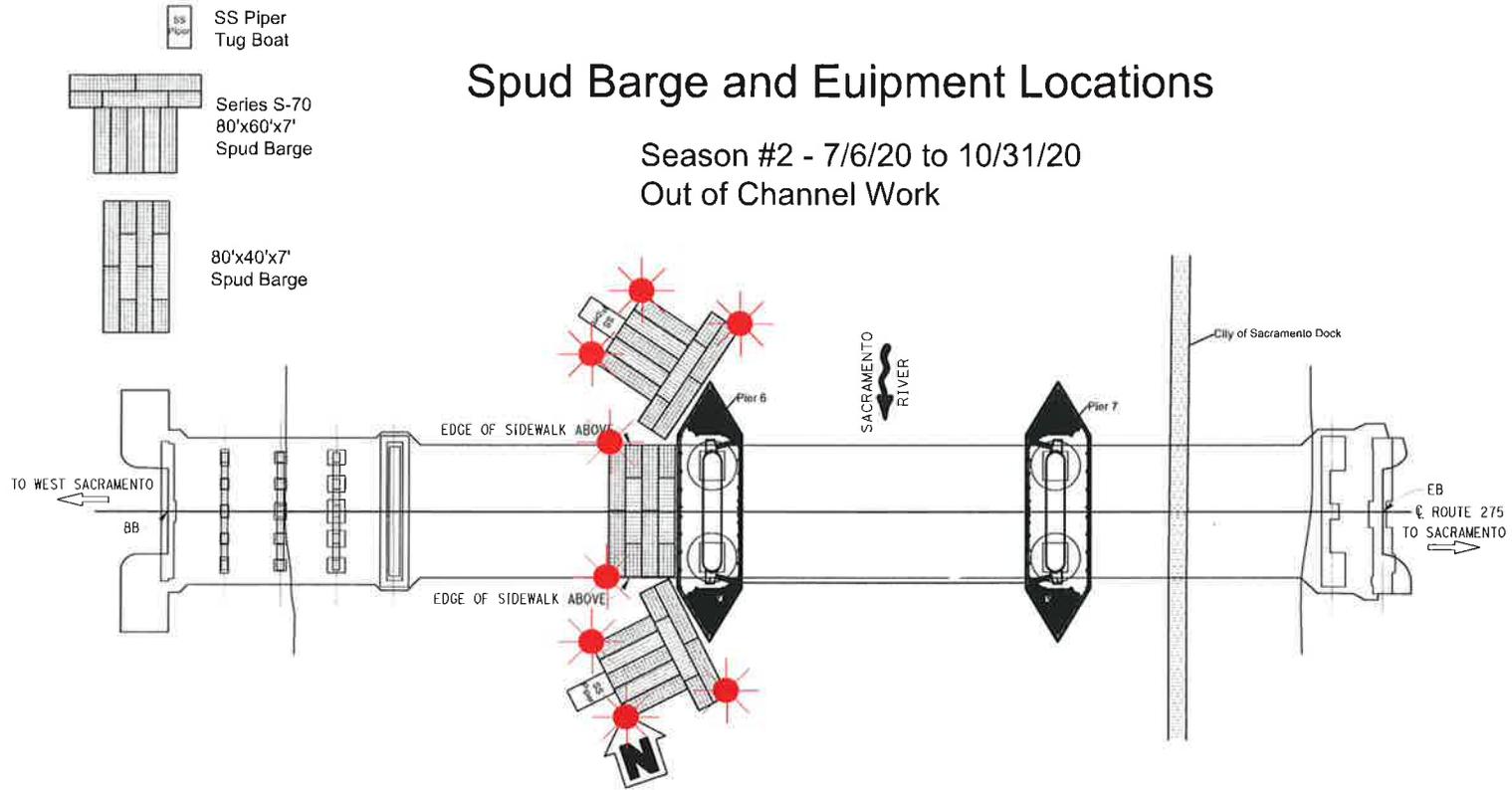
Spud Barge and Equipment Locations

Season #2 - 7/6/20 to 10/31/20  
 Channel Work



After normal working hours, the barges will be moored outboard of the drawspan of the bridge. Each corner of the barge will be lighted at night with steady burning red lights so as to be seen from approaching vessels at 2,000 yards.

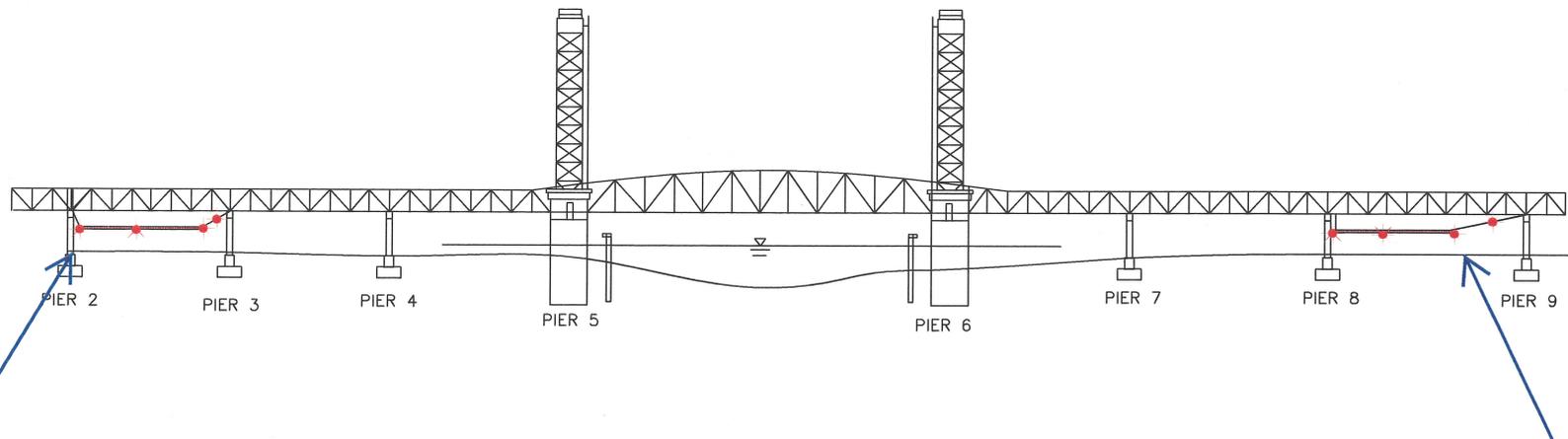
Fender Replacement Project-Barge Placement and Lighting  
 Tower Drawbridge  
 Mile 59.0 over the Sacramento River



After normal working hours, the barges will be moored outboard of the drawspan of the bridge. Each corner of the barge will be lighted at night with steady burning red lights so as to be seen from approaching vessels at 2,000 yards.

# Temporary Underdeck Platform Lighting

## Rio Vista Bridge Mile 12.8, Sacramento River



Two temporary platforms, and associated support cables, are installed beneath low steel of the bridge in span 2 and 8 and reduces vertical clearance in those spans by no more than 4 feet. The lower 4 corners and midpoint of each platform will be lighted at night with steady burning red lights, visible at 2,000 yards from approaching vessels. The support cable will be lighted with red lights every 50 feet. Mariners are requested to use alternate or main span of the bridge while these temporary platforms are in place.

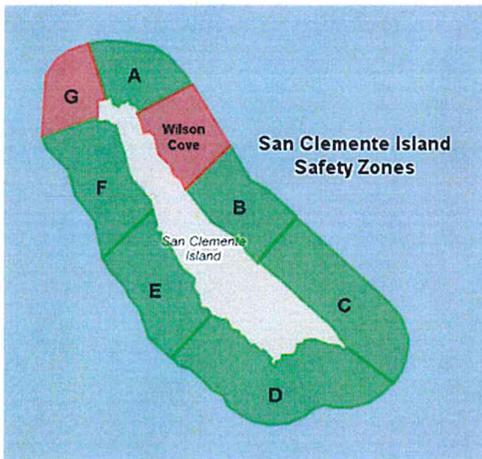
# Maritime Safety and Security Bulletin: 001-19

Effective Date: November 1, 2019



U.S. Coast Guard Sector San Diego  
2710 North Harbor Drive  
San Diego, CA 92101  
Phone: (619) 278-7656  
Fax: (619) 278-7235

## SAN CLEMENTE ISLAND LIMITED ACCESS ADVISORY



Mariners operating in the vicinity of San Clemente Island are reminded of the **restricted** waterway access surrounding San Clemente Island according to Title 33, Code of Federal Regulations (CFR) Part 165.1131 and 33 CFR 165.1141).

Since the inception of the regulations, Coast Guard Sector San Diego has processed numerous safety zone violations. 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 \$94,219 under 46 USC 70036(a). 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 ordinance 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 Zone G of the Safety Zones are permanently closed. Mariners wishing to transit through Zone G must have preapproval from San Clemente Island. The U.S. Navy makes every effort to maintain a schedule in advance and minimize the restrictions to the public for water access around the island. 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 or 7656, 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 [D11MarineEventsSD@uscg.mil](mailto:D11MarineEventsSD@uscg.mil)

Sincerely,

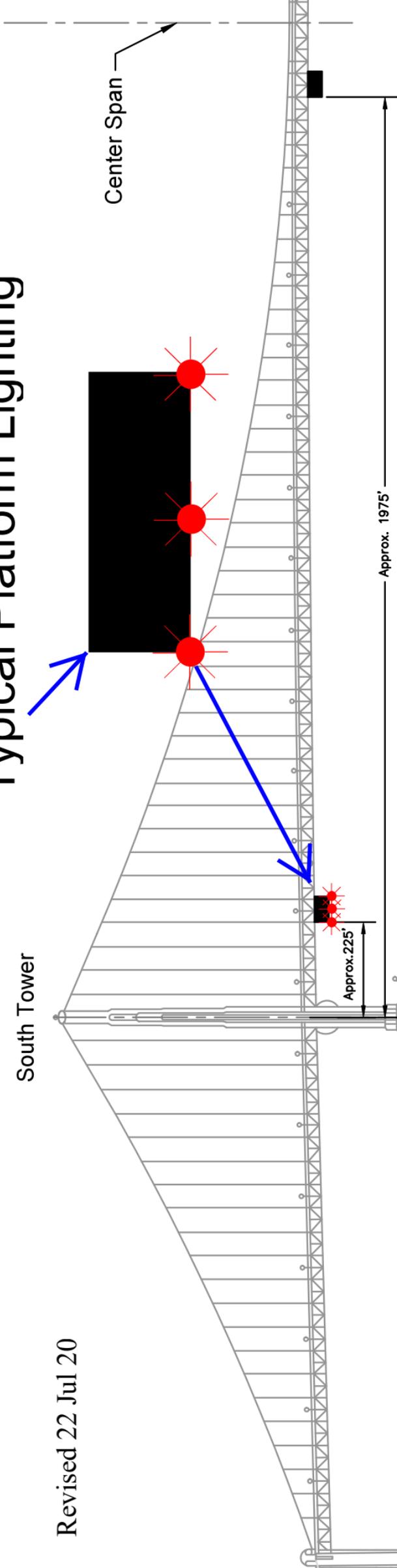
A handwritten signature in blue ink, appearing to read "T.J. Barelli".

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

# Temporary Access Platform Golden Gate Bridge Mile 2.5 San Francisco Bay

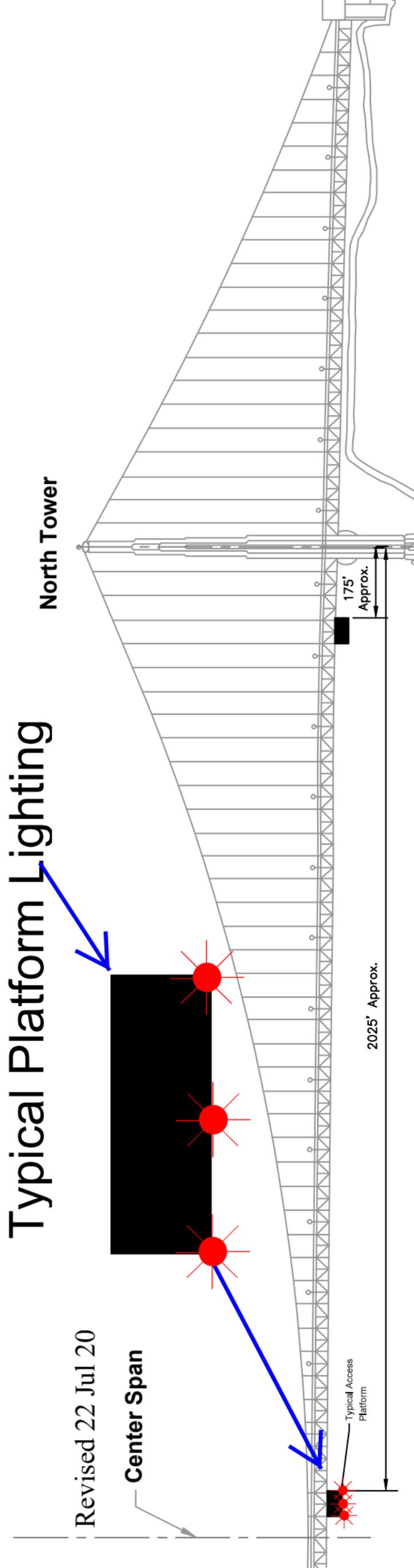
## Typical Platform Lighting

Revised 22 Jul 20



Two 54 foot wide temporary platforms are installed below low steel of the bridge reducing vertical clearance by no more than 14 feet. The upstream and downstream lower edges of the temporary platform is lighted at night with steady burning red lights see at 2,000 yards by approaching vessels.

# Temporary Access Platform Golden Gate Bridge Mile 2.5 San Francisco Bay



Two 54 foot wide temporary platform are installed below low steel of the bridge reducing vertical clearance by no more than 14 feet. The upstream and downstream lower edges of the temporary platform is lighted at night with steady burning red lights see at 2,000 yards by approaching vessels.

U.S. Department of  
Homeland Security

United States  
Coast Guard



March 30, 2020

To: All Mariners

The National Oceanic and Atmospheric Administration (NOAA) with support from the United States Coast Guard (USCG) annually issues voluntary Vessel Speed Reduction (VSR) requests that go into effect May 1 off of San Francisco and May 15 off of southern California; please see the attached charts. The goal of these seasonal voluntary VSR zones is to reduce the risk of fatal ship strikes to endangered blue, fin, and humpback whales within and near Greater Farallones, Cordell Bank, Monterey Bay, and Channel Islands national marine sanctuaries. These species 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.). Any unauthorized take of whales, even if unintentional, by vessels transiting in U.S. waters violates federal statutes.

NOAA and the USCG request that all vessels 300 gross registered tons (GRT) or larger reduce speeds to 10-knots when transiting within the designated VSR zones. We request your cooperation with the voluntary VSR zones to protect whales that annually migrate to these areas in summer and fall to feed. NOAA analyzes all transits by vessels 300 GRT or larger via Automated Information System (AIS) data provided by USCG to assess the industry's cooperation.

NOAA and USCG are committed to the long-term protection of nationally significant marine resources by enhancing marine safety and environmental awareness in the maritime community. We encourage vessel crews to report whale sightings through the Whale Alert App (<http://www.whalealert.org>). If you have questions, please contact Sean Hastings, (805) 893-6424, [sean.hastings@noaa.gov](mailto:sean.hastings@noaa.gov). We appreciate your commitment to protecting endangered and threatened whales by cooperating with the voluntary 10-knot VSR requests in 2020 off of San Francisco and southern California.

Handwritten signature of William J. Douros in black ink.

William J. Douros, Regional Director  
NOAA's Office of National Marine Sanctuaries  
West Coast Region

Handwritten signature of Barry A. Thom in blue ink.

Barry A. Thom, Regional Administrator  
NOAA's National Marine Fisheries Service  
West Coast Region

Handwritten signature of Peter Gautier in blue ink.

Peter Gautier, Rear Admiral  
U.S. Coast Guard  
District Eleven

# VOLUNTARY VESSEL SPEED REDUCTION ZONE TO REDUCE IMPACT OF SHIP STRIKES ON WHALES

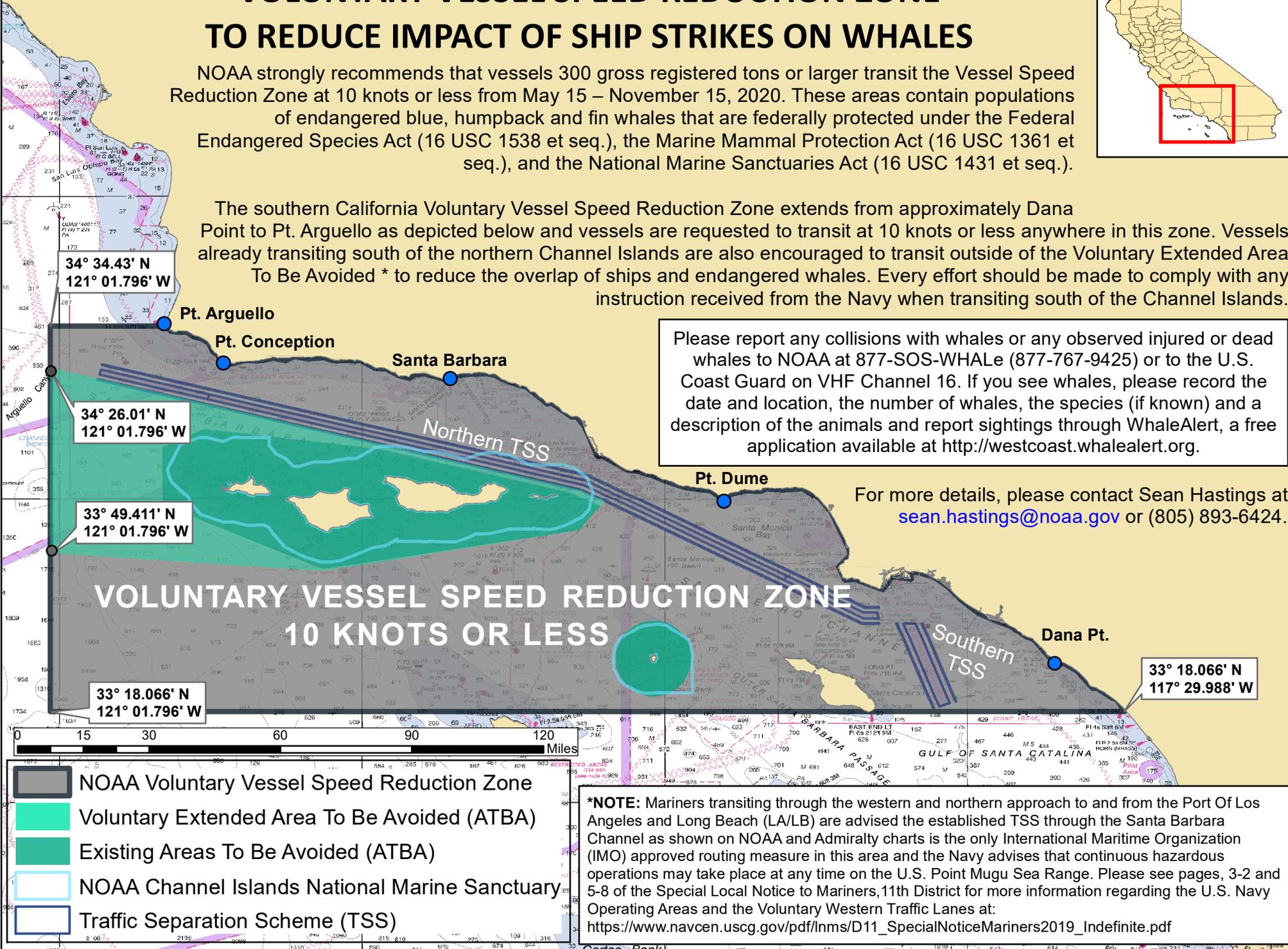


NOAA strongly recommends that vessels 300 gross registered tons or larger transit the Vessel Speed Reduction Zone at 10 knots or less from May 15 – November 15, 2020. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq.).

The southern California Voluntary Vessel Speed Reduction Zone extends from approximately Dana Point to Pt. Arguello as depicted below and vessels are requested to transit at 10 knots or less anywhere in this zone. Vessels already transiting south of the northern Channel Islands are also encouraged to transit outside of the Voluntary Extended Area To Be Avoided \* to reduce the overlap of ships and endangered whales. Every effort should be made to comply with any instruction received from the Navy when transiting south of the Channel Islands.

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. If you see whales, please record the date and location, the number of whales, the species (if known) and a description of the animals and report sightings through WhaleAlert, a free application available at <http://westcoast.whalealert.org>.

For more details, please contact Sean Hastings at [sean.hastings@noaa.gov](mailto:sean.hastings@noaa.gov) or (805) 893-6424.



- NOAA Voluntary Vessel Speed Reduction Zone
- Voluntary Extended Area To Be Avoided (ATBA)
- Existing Areas To Be Avoided (ATBA)
- NOAA Channel Islands National Marine Sanctuary
- Traffic Separation Scheme (TSS)

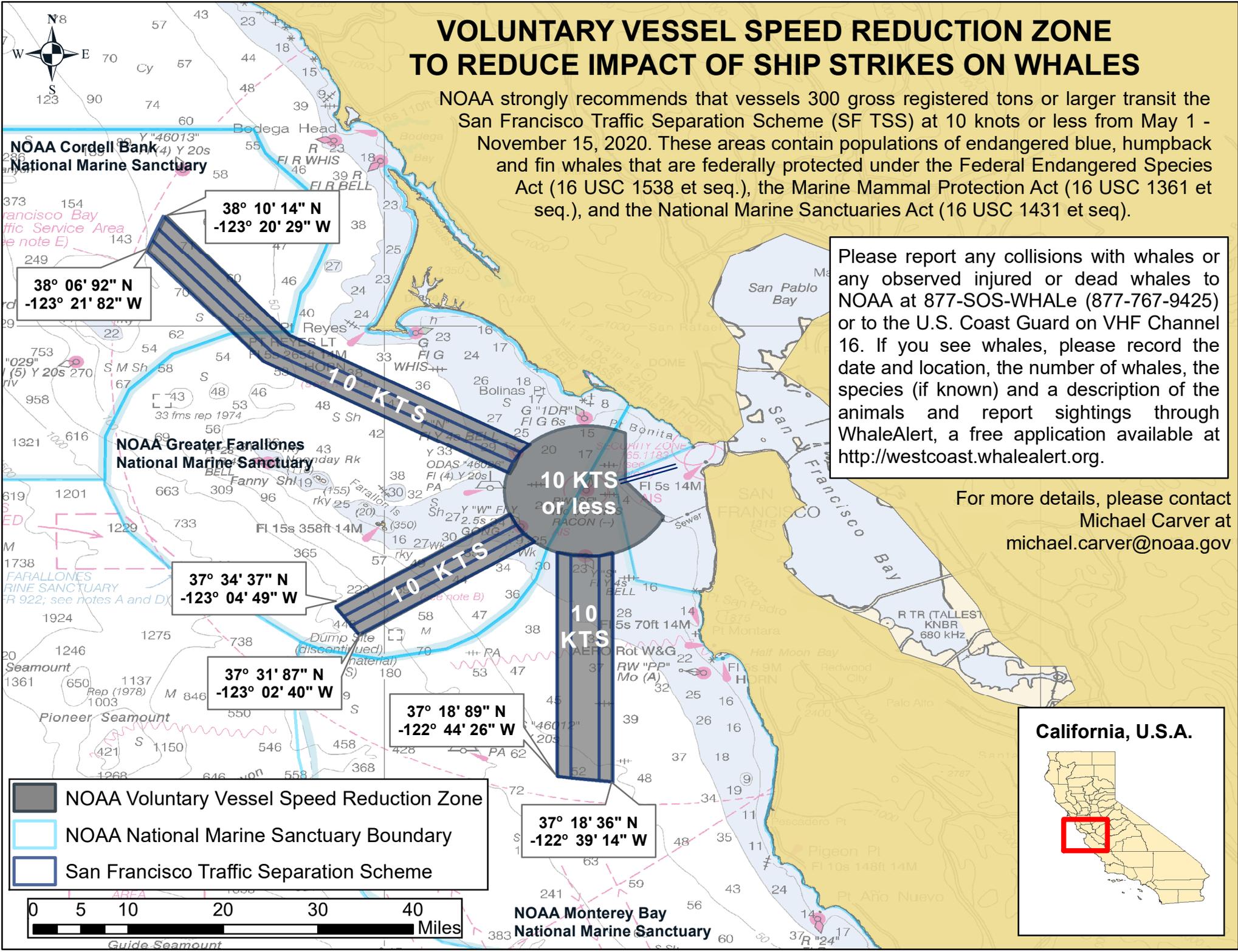
**\*NOTE:** Mariners transiting through the western and northern approach to and from the Port Of Los Angeles and Long Beach (LA/LB) are advised the established TSS through the Santa Barbara Channel as shown on NOAA and Admiralty charts is the only International Maritime Organization (IMO) approved routing measure in this area and the Navy advises that continuous hazardous operations may take place at any time on the U.S. Point Mugu Sea Range. Please see pages, 3-2 and 5-8 of the Special Local Notice to Mariners, 11th District for more information regarding the U.S. Navy Operating Areas and the Voluntary Western Traffic Lanes at: [https://www.navcen.uscg.gov/pdf/Inms/D11\\_SpecialNoticeMariners2019\\_Indefinite.pdf](https://www.navcen.uscg.gov/pdf/Inms/D11_SpecialNoticeMariners2019_Indefinite.pdf)

# VOLUNTARY VESSEL SPEED REDUCTION ZONE TO REDUCE IMPACT OF SHIP STRIKES ON WHALES

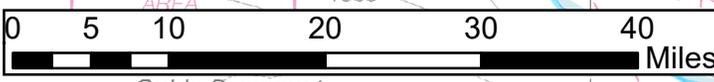
NOAA strongly recommends that vessels 300 gross registered tons or larger transit the San Francisco Traffic Separation Scheme (SF TSS) at 10 knots or less from May 1 - November 15, 2020. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 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. If you see whales, please record the date and location, the number of whales, the species (if known) and a description of the animals and report sightings through WhaleAlert, a free application available at <http://westcoast.whalealert.org>.

For more details, please contact Michael Carver at [michael.carver@noaa.gov](mailto:michael.carver@noaa.gov)



- NOAA Voluntary Vessel Speed Reduction Zone
- NOAA National Marine Sanctuary Boundary
- San Francisco Traffic Separation Scheme





July 29, 2020

United States Coast Guard  
11th Division  
Coast Guard Island  
Alameda, CA 90802  
Notice to Mariners

**Email:** D11LNM@uscg.mil  
**Reference:** Remote Operated Vehicle (ROV) Live Boating Operations  
**Notice to Mariners and Fishermen**

On or about August 10, 2020 the M/V Clean Ocean; official number 1077091; call sign WDE 7605; will be conducting underwater pipeline inspection work with an ROV. The operations will include Live Boat ROV pipeline inspections. The Clean Ocean operations will be conducted on a 24 hour per day basis

**Start Date:** On or about August 10, 2020 to August 24, 2020  
**Owner:** Freeport McMoRan Oil and Gas  
**Duration of Project:** Approximately 14 days

**Location:** Please see attached Maps

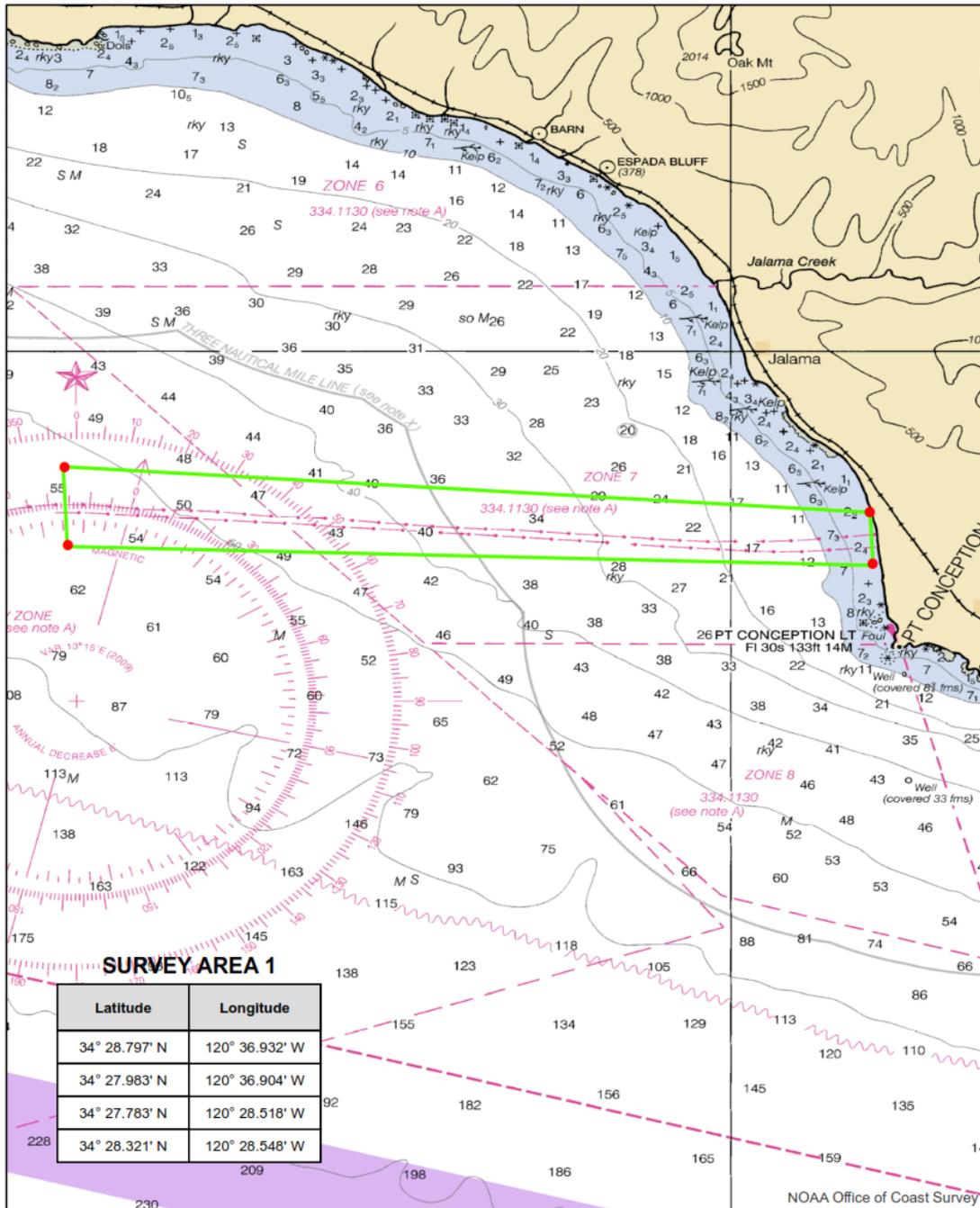
The Clean Ocean will be monitoring channel 16 and Bridge phone (805) 218-3023 and SAT (254) 377-0446. The Clean Oceans general description is the following: 155' LOA; black hull with white superstructure; typical Supply boat configuration with deck-mounted crane.

We appreciate your assistance in this regard and should you have any questions please do not hesitate to contact the undersigned @ (805) 676-4330 or 805-452-7923.

Sincerely,  
Aqueos Corporation  
*Jeff Kowalishen*  
Manager

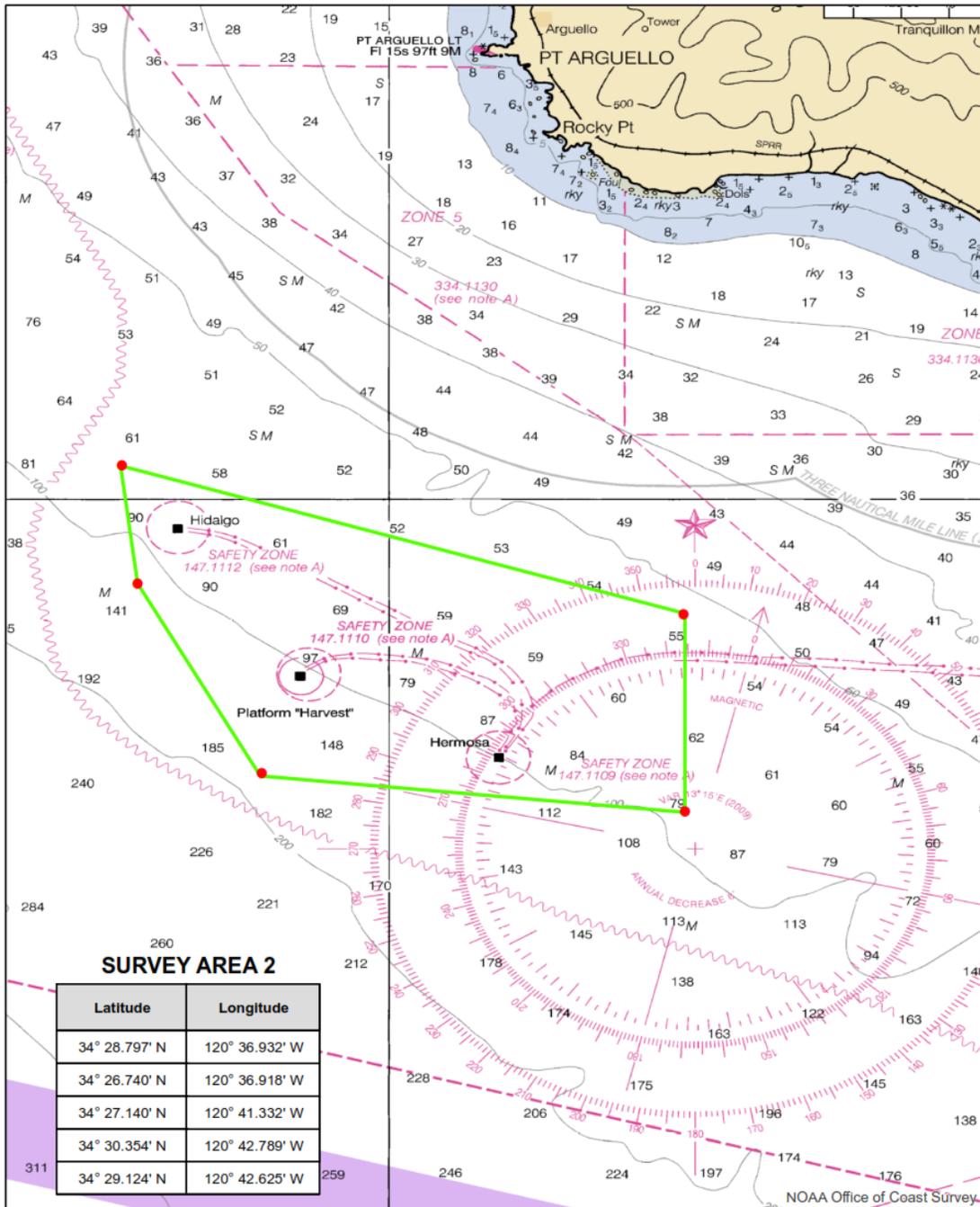
**NOAA Nautical Chart 18020 with Proposed Survey Area 1**

Side Scan Survey Notice  
Offshore Pt. Conception, Santa Barbara County, California



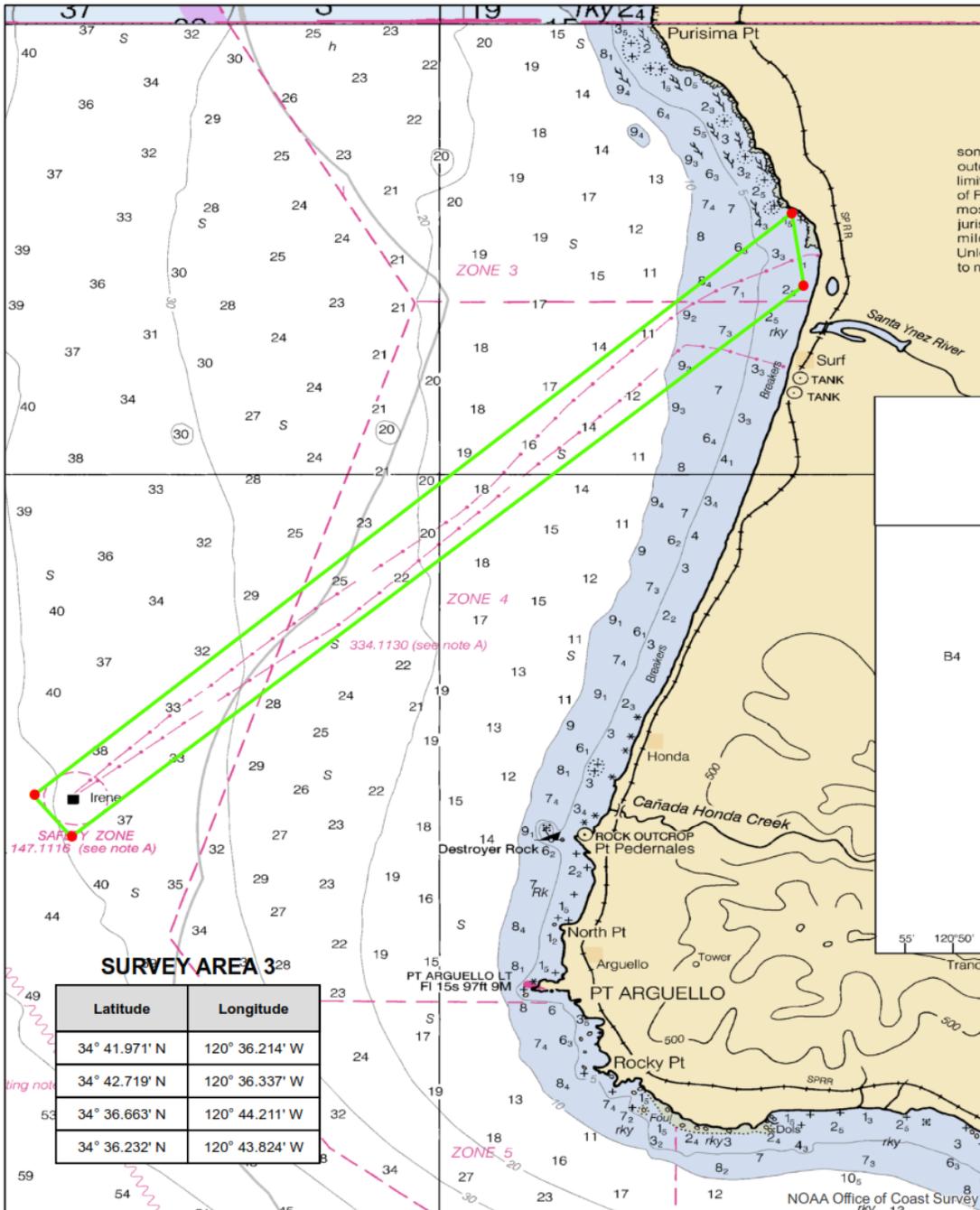
**NOAA Nautical Chart 18020 with Proposed Survey Area 2**

Side Scan Survey Notice  
 Offshore Pt. Conception, Santa Barbara County, California



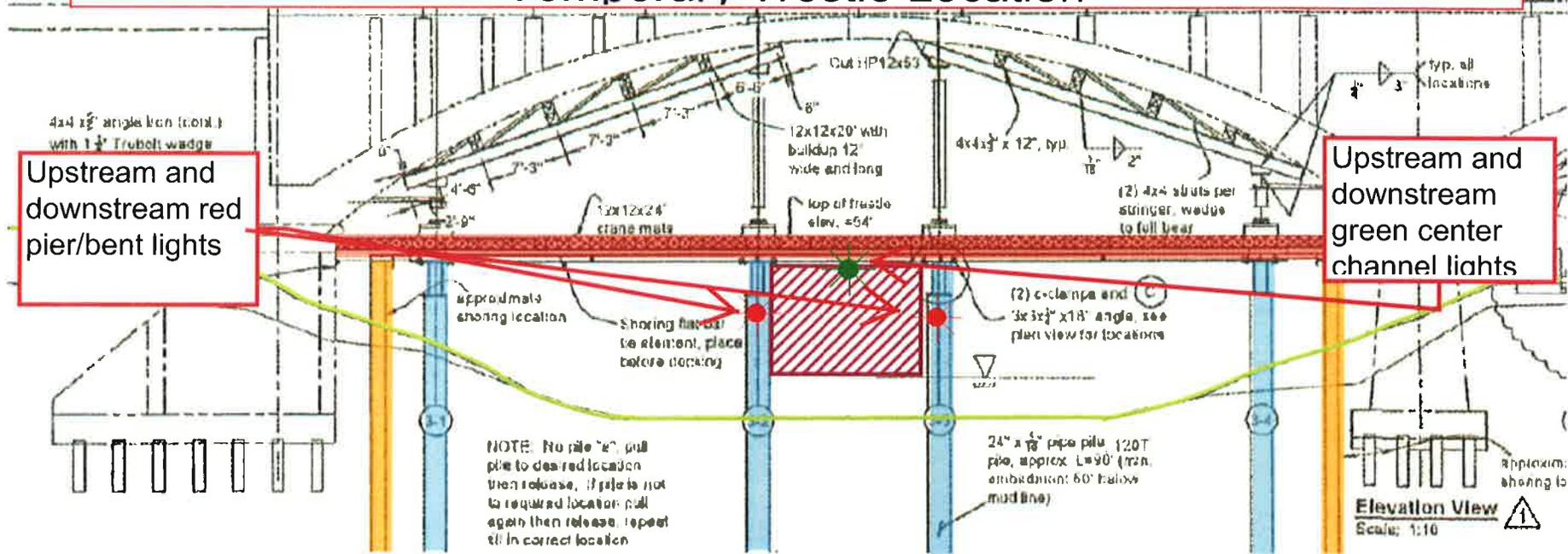
**NOAA Nautical Chart 18020 with Proposed Survey Area 3**

Side Scan Survey Notice  
 Offshore Lompoc to Pt. Pedernales, Santa Barbara County, California



# CA Route 99 Bridge Rehabilitation Mile 16.82, Stanislaus River Temporary Trestle Location

ITE



## LEGEND

- TEMPORARY TRESTLE
- TEMPORARY PILE LOCATION
- TEMPORARY SHEET PILE LOCATION
- RIVER BED
- OPENING FOR RIVER TRAFFIC

- NOTES:
- 12' Horizontal Clearance
  - 9' Minimum Vertical Clearance
  - 9' Vertical Clearance corresponds to ~1000 cfs. When river elevation exceeds 42 feet the river will be closed to public access

NOT TO SCALE

EA#: 10-0L020

DATE: 1/23/20

## Stanislaus River Bridge Temporary Trestle

EXHIBIT

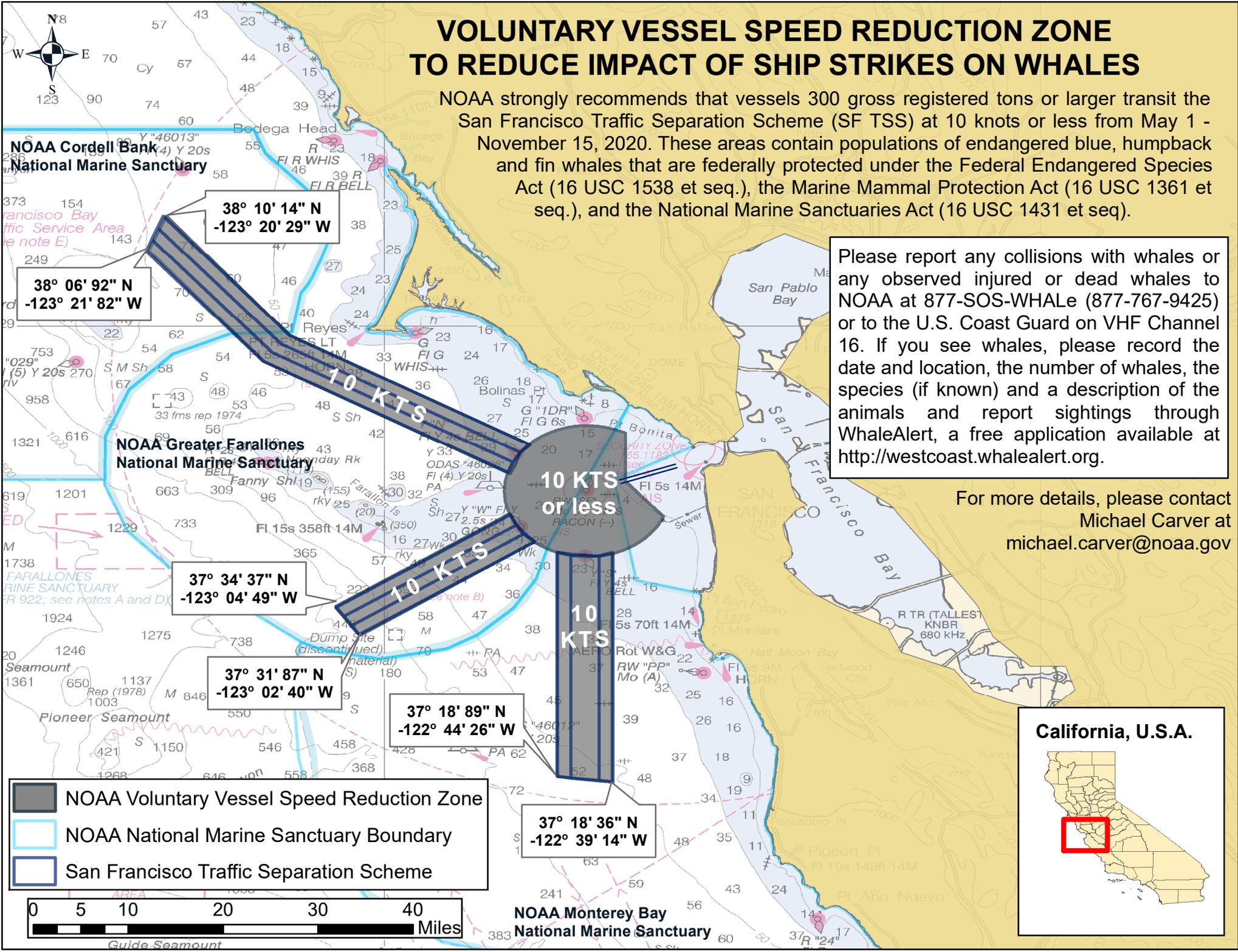
E

# VOLUNTARY VESSEL SPEED REDUCTION ZONE TO REDUCE IMPACT OF SHIP STRIKES ON WHALES

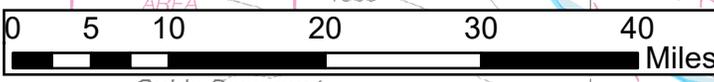
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Please report any collisions with whales or any observed injured or dead whales to NOAA at 877-SOS-WHALE (877-767-9425) or to the U.S. Coast Guard on VHF Channel 16. If you see whales, please record the date and location, the number of whales, the species (if known) and a description of the animals and report sightings through WhaleAlert, a free application available at <http://westcoast.whalealert.org>.

For more details, please contact Michael Carver at [michael.carver@noaa.gov](mailto:michael.carver@noaa.gov)



- NOAA Voluntary Vessel Speed Reduction Zone
- NOAA National Marine Sanctuary Boundary
- San Francisco Traffic Separation Scheme



# VOLUNTARY VESSEL SPEED REDUCTION ZONE TO REDUCE IMPACT OF SHIP STRIKES ON WHALES

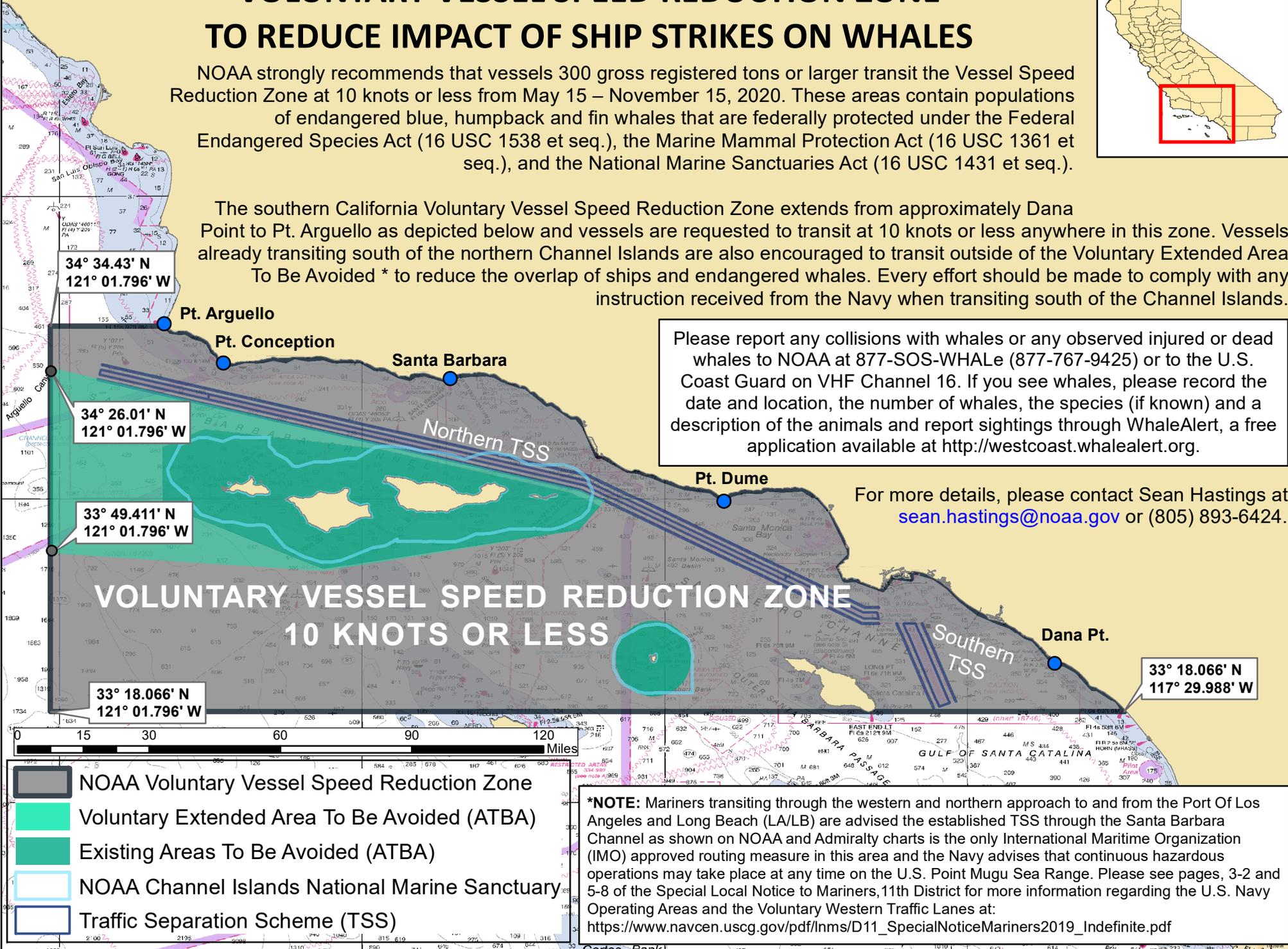


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Please report any collisions with whales or any observed injured or dead whales to NOAA at 877-SOS-WHALE (877-767-9425) or to the U.S. Coast Guard on VHF Channel 16. If you see whales, please record the date and location, the number of whales, the species (if known) and a description of the animals and report sightings through WhaleAlert, a free application available at <http://westcoast.whalealert.org>.

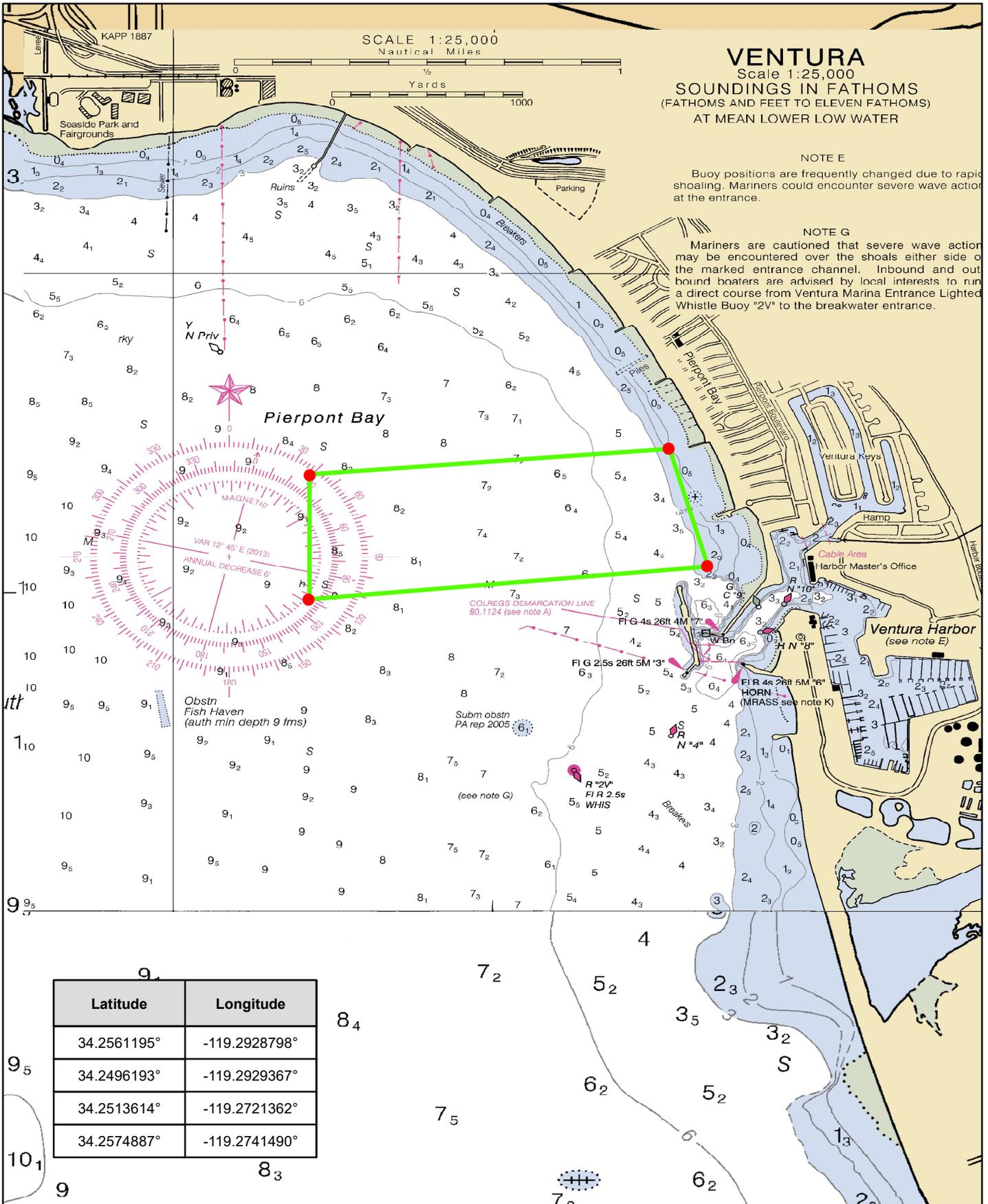
For more details, please contact Sean Hastings at [sean.hastings@noaa.gov](mailto:sean.hastings@noaa.gov) or (805) 893-6424.



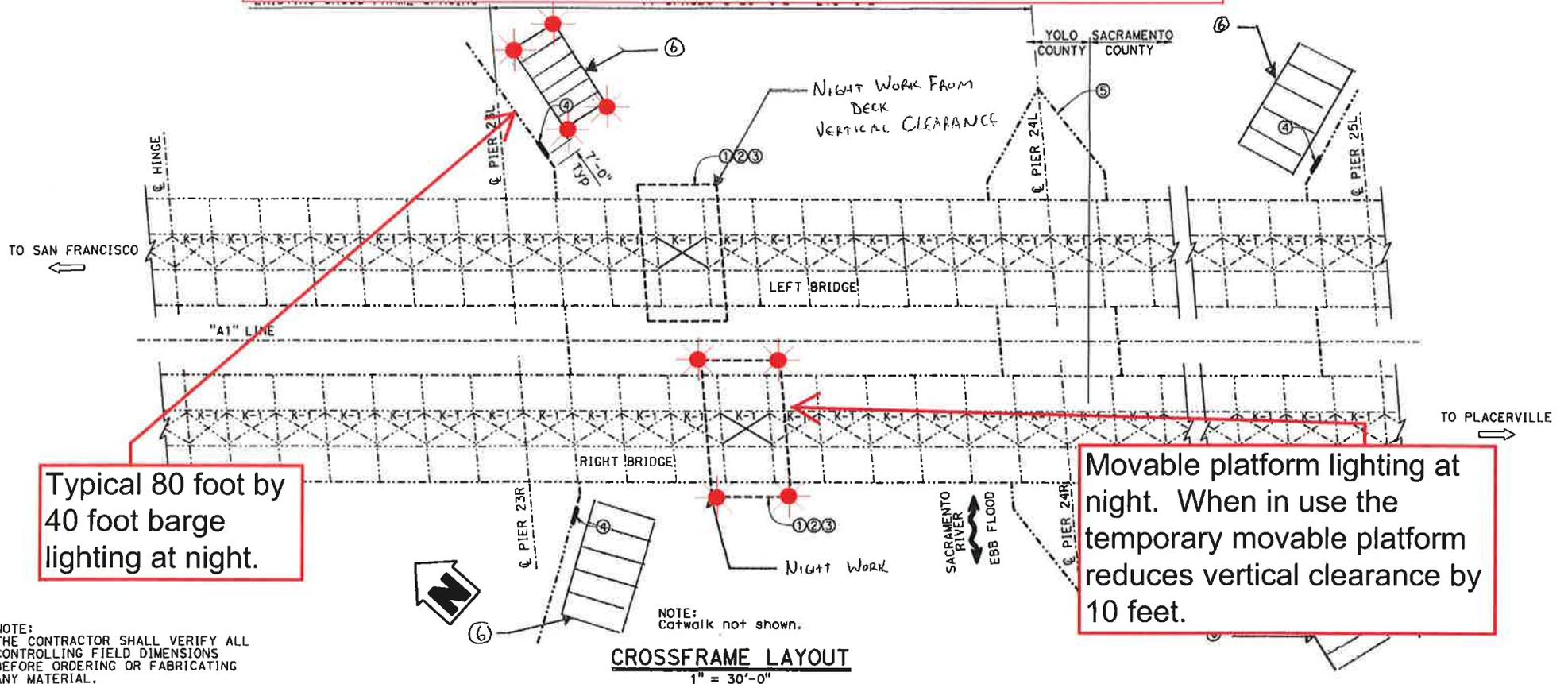
**\*NOTE:** Mariners transiting through the western and northern approach to and from the Port Of Los Angeles and Long Beach (LA/LB) are advised the established TSS through the Santa Barbara Channel as shown on NOAA and Admiralty charts is the only International Maritime Organization (IMO) approved routing measure in this area and the Navy advises that continuous hazardous operations may take place at any time on the U.S. Point Mugu Sea Range. Please see pages, 3-2 and 5-8 of the Special Local Notice to Mariners, 11th District for more information regarding the U.S. Navy Operating Areas and the Voluntary Western Traffic Lanes at: [https://www.navcen.uscg.gov/pdf/Inms/D11\\_SpecialNoticeMariners2019\\_Indefinite.pdf](https://www.navcen.uscg.gov/pdf/Inms/D11_SpecialNoticeMariners2019_Indefinite.pdf)

# NOAA Nautical Chart 18725 with Proposed Survey Area

Bathymetric and Geophysical Surveys Notice  
Offshore Ventura, California



# Barge/Platform Lighting Plan Pioneer Bridge, mile 58.2, Sacramento River



Typical 80 foot by 40 foot barge lighting at night.

Movable platform lighting at night. When in use the temporary movable platform reduces vertical clearance by 10 feet.

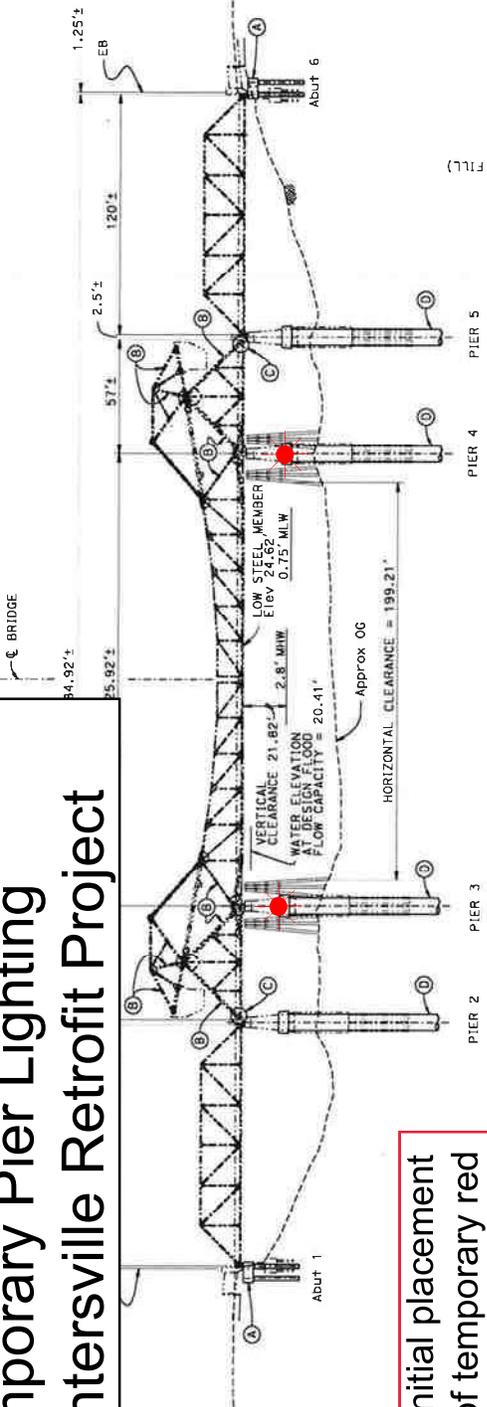
NOTE:  
THE CONTRACTOR SHALL VERIFY ALL  
CONTROLLING FIELD DIMENSIONS  
BEFORE ORDERING OR FABRICATING  
ANY MATERIAL.

NOTE:  
Catwalk not shown.

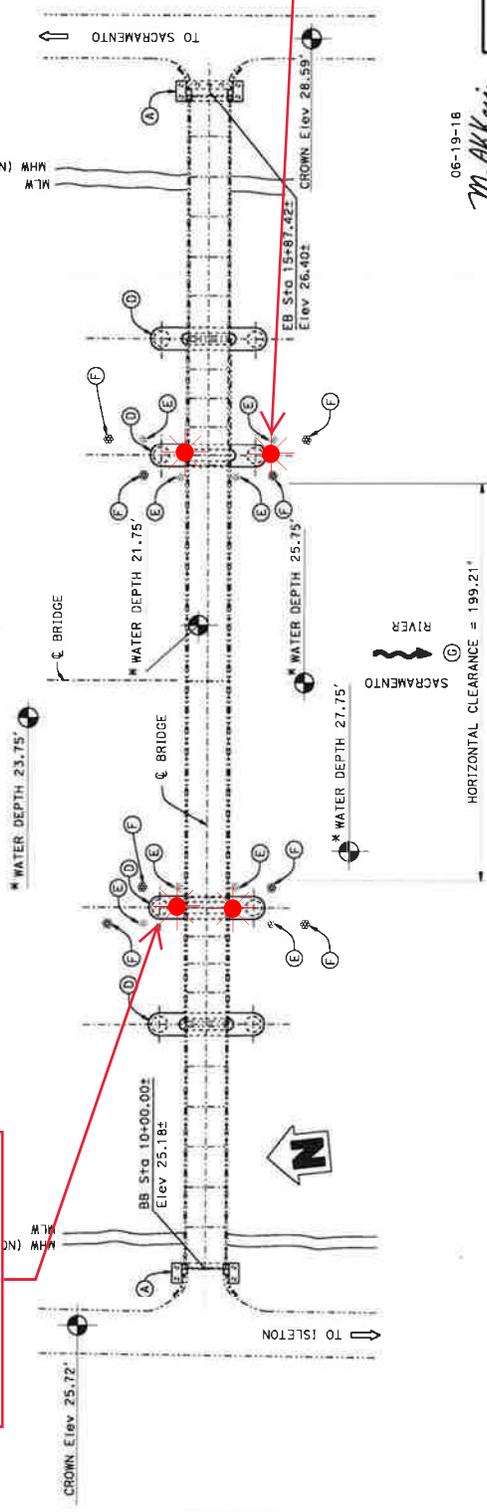
**CROSSFRAME LAYOUT**  
1" = 30'-0"

# Temporary Pier Lighting Paintersville Retrofit Project

- LEGEND:
- (A) Abutment Retrofit
  - (B) Strengthen Truss Member
  - (C) Strengthen Connection
  - (D) Pier Retrofit
  - (E) Existing Dolphin to be removed
  - (F) New 7 Pile Dolphin
  - (G) For HYDROLOGIC SUMMARY see "FOUNDATION PLAN NO. 3" sheet
  - Indicates new construction
  - Indicates existing structure



## ELEVATION



Initial placement of temporary red lights before retrofit work.

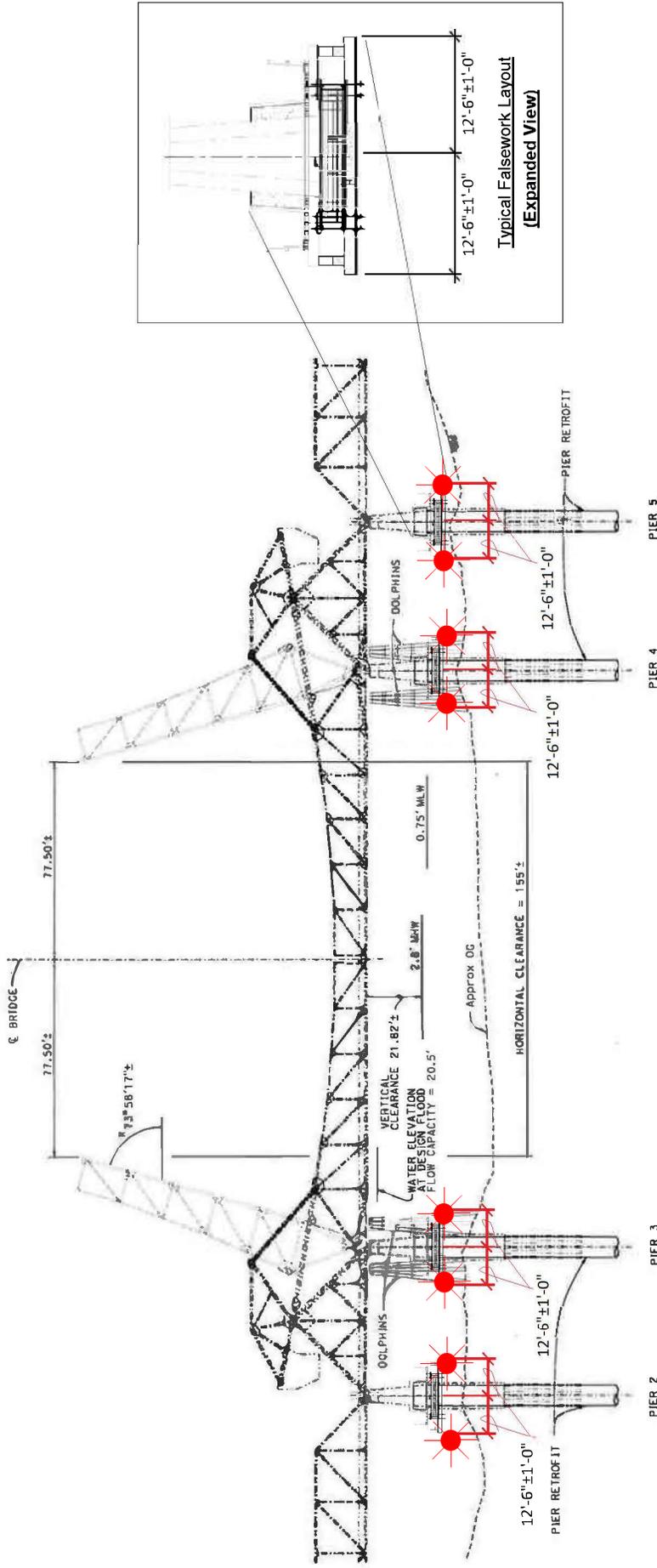
Temporary placement of red lights after pier retrofit work and before re-installation of permanent dolphins

The temporary all-round red lights will be installed on the upriver and downriver faces of piers 3 and 4 so as to be seen at 2,000 yard by approaching vessels. The pier face being worked on, where barges are obscuring the pier face, will not be required to be lit at night unless the barge is moved leaving the pier exposed.

06-19-18  
**M. AKKAI**  
 REGISTERED PROFESSIONAL ENGINEER  
 MOHAMED AKKAI  
 No. 4468  
 Exp. 3-31-20  
 CIVIL  
 STATE OF CALIFORNIA

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
 PROPOSED PAINTERSVILLE BRIDGE  
 SEISMIC RETROFIT PROJECT  
 MILE 33-4, SACRAMENTO RIVER, NEAR COURTLAND

# Paintersville Drawbridge, mile 33.4, Sacramento River Construction Falsework



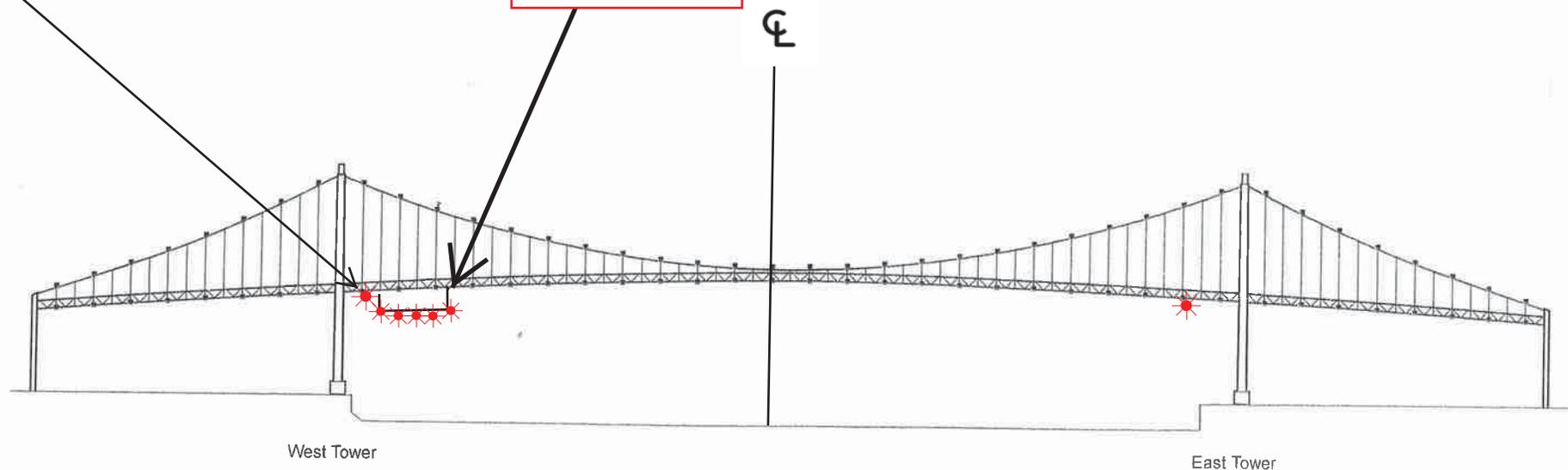
Falsework at each in-water pier in the double leaf bascule span will extend 6.75 feet from the face of each pier. The inboard edge of the falsework will not extend past the tip of each bascule leaf when the bridge is in the open-to-navigation position. The upriver and downriver corners of the falsework will be lighted at night with steady burning red lights.



Vincent Thomas Highway Bridge  
Mile 3.0  
Los Angeles/Long Beach Harbor  
**Painting Project**

West Channel Margin  
Light

Below Low Steel  
Platform. 5' 4"  
reduction in  
vertical clearance



A 180 foot long under deck temporary platform will reduce vertical clearance by 5' 4". Each corner and every 50 feet along the the upstream and downstream side of the platform will lighted at night with steady burning red lights visible at 2000 yards by approaching vessels. In a duration of 1-year the platform will progress from the western channel margin light to 250' west of the centerline of the bridge.