



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

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## LOCAL NOTICE TO MARINERS

**District: 11**

**Week: 39/23**

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-0012-23, SF-0139-23, LA-0111-23, and SD-0076-23 have been incorporated in this notice, or will continue if still significant.

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### 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 Waterways Management Branch at 510-437-2929 or e-mail D11-SMB-D11-LNM@uscg.mil. Please provide all Local Notice to Mariners submissions 14 days prior to the start of operations

LNM: 17/21

#### 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>.

#### CALIFORNIA - SANTA BARBARA - TRAFFIC SEPARATION SCHEME (TSS) EXTENDED

In November of 2022, the International Maritime Organization (IMO) issued an adopted amendment, which goes into effect June 1, 2023. The amendment describes changes to the existing Traffic Separation Scheme (TSS) off Santa Barbara, CA. As a result of these changes, the Traffic Separation Scheme (TSS) has been extended westward. Please be advised that, per an agreement with the USCG Headquarters, NOAA cartographers used more accurate points expressed in degrees, minutes, seconds, and hundredths of seconds, rather than the derived IMO positions published in the IMO circular, which are slightly degraded in terms of accuracy. For details, please see Enclosure included in this Local Notice to Mariners.

Charts: 18020 18022 18700

LNM: 21/23

#### CALIFORNIA – CALIFORNIA COAST-VOLUNTARY VESSEL SPEED REDUCTION

NOAA, U.S. Coast Guard and the Environmental Protection Agency request that all vessels 300 gross registered tons (GRT) or larger reduce speeds to 10 knots or less when transiting in the Vessel Speed Reduction off of San Francisco, Monterey, and Southern California from 1 May, 2023 until 15 December, 2023 to protect endangered whales. (See 2023 NOAA USCG EPA VSR.pdf in the enclosure section) 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 Area To Be Avoided to reduce the overlap of ships and endangered whales. NOAA, USCG, and EPA request that vessels prioritize use of the western traffic lane of the San Francisco TSS when traveling in the San Francisco Offshore TSS. Vessels, including vessels under pilotage, may deviate from the speed and routing recommendations whenever necessary to maintain safe maneuvering. 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 Whale Alert, a free application available at <http://westcoast.whalealert.org/>. For more information, contact Sean Hastings at (805) 705-1790 or email at [sean.hastings@noaa.gov](mailto:sean.hastings@noaa.gov).

**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.

**NAVIGATION CENTER WEBSITE TRANSITION**

The U.S. Coast Guard Navigation Center is going to transition the Navigation Center website to a new, enhanced version in the first quarter of 2022. As part of this transition, URLs will be updated across the site including URLs linked to PDFs. Therefore, once the transition is complete, legacy site URLs will no longer function, including bookmarked URLs and URLs used in automatic downloading of data and/or products. Outdated URLs will automatically redirect to the home page of the site, and from there you will be able to easily navigate to your preferred page.

Below are a few of the "old"/new URL pairs listed for your convenience. Please note that the new URLs will not be active until we launch the new website. Of course, once it is launched, the new URLs will be available for re-bookmarking. As a reminder, these are top level URLs that may contain additional links that you use.

This notice will be updated when the final launch date is determined and another notice will be issued to notify you when the site goes live. Questions/concerns may be directed to the NAVCENWebTEAM@uscg.mil.

**Local Notices to Mariners (LNMs)**

Current URLs: <https://www.navcen.uscg.gov/?pageName=lnmMain>

Replacement: <https://www.navcen.uscg.gov/local-notices-to-mariners-by-cg-district>

**Light Lists Annual Publication**

Current URLs: <https://navcen.uscg.gov/?pageName=lightLists>

Replacement: <https://www.navcen.uscg.gov/light-list-annual-publication>

**Light List - Weekly**

Current URLs: <https://navcen.uscg.gov/?pageName=lightListWeeklyUpdates>

Replacement: <https://www.navcen.uscg.gov/weekly-light-lists>

**Light List - Corrections**

Current URLs: <https://navcen.uscg.gov/?pageName=lightListCorrections>

Replacement: <https://www.navcen.uscg.gov/light-list-summary-of-corrections>

LNM: 06/22

**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 Miranda Brumbaugh at 510-437-2978 or [Miranda.E.Brumbaugh@uscg.mil](mailto:Miranda.E.Brumbaugh@uscg.mil).

Charts: 18007 18010 18020 18022 18640 18649 18680

LNM: 16/19

**SAFETY NOTICE - NAVIGATIONAL RANGE AND SECTOR LIGHTS ON ELECTRONIC CHARTS**

"The U.S. Coast Guard has become aware that the Range and Sector Light Characteristic labels are not displayed on Electronic Navigational Charts (ENCs) when used in an Electronic Chart Display and Information System (ECDIS) due to limitations of the S-52 ECDIS display specification. Mariners may query the ENC data directly within ECDIS or refer to the Light List for complete information on Range and Sector Light Characteristics."

LNM: 39/22

**SOUTHERN CALIFORNIA - CHANNEL ISLANDS - AREA TO BE AVOIDED (ATBA) ENLARGED**

In November of 2022, the International Maritime Organization (IMO) issued an adopted amendment, which goes into effect June 1, 2023. The amendment describes changes to the existing Area To Be Avoided (ATBA) around the Channel Islands, CA. As a result of these changes, the Area To Be Avoided (ATBA) has been significantly increased in size. Please be advised that, per an agreement with the USCG Headquarters, NOAA cartographers used more accurate points expressed in degrees, minutes, seconds, and hundredths of seconds, rather than the derived IMO positions published in the IMO circular, which are slightly degraded in terms of accuracy. For details, please see Enclosure included in this Local

Notice to Mariners.

Charts: 18020 18022 18700 18720 18724 18725 18728 18729 18740

LNM: 21/23

**SOUTHERN CALIFORNIA-SAN DIEGO BAY-MINIMIZE WAKE**

The Navy Port Operations Manager requests that vessels slow to 7 kts when a vessel is moored in restricted area (33 CFR 334.865) located on the northeast side of North Island at 32-42-57N 117-11-22W, between San Diego Channel Lighted Buoy 20 (LLNR 1710) and San Diego Channel Lighted Buoy 22 (LLNR 1830). For more details or comments contact LT Rodriguez at 619-545-3232, Rigoberto.rodriguez3@navy.mil.

Chart 18773

LNM: 10/22

**SUBMITTING INFORMATION FOR PUBLICATION IN THE LOCAL NOTICE TO MARINERS**

Coast Guard District Eleven Waterways upgrade to E-Mail capabilities. All future requests for article submission in the District Eleven Local Notice to Mariners are requested to be E-Mailed to D11-SMB-SMB-D11-LNM@uscg.mil at least two weeks prior to the operation. For more details or comments please contact District Eleven Waterways Management Branch at 510-437-2929 or e-mail D11-SMB-D11-LNM@uscg.mil. Coast Guard District Eleven requests all Local Notice to Mariners submissions be E-Mailed to our office at least 14 days prior to the start of operations for timely submittal and publication.

LNM: 17/21

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**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.

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**DISCREPANCIES (FEDERAL AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
10	San Diego Bay Approach Lighted Whistle Buoy SD	RAC INOP	18772	SD-0070-22	38/22	
125	Long Beach Light	LT EXT	18749	LA-0148-20	49/20	
280	Point Sur Light	LT EXT	18680	SF-0085-23	19/23	
330	Pillar Point Harbor Approach Lighted Buoy PP	DAYMK MISSING	18680	SF-0081-23	17/23	
360	San Francisco Approach Lighted Whistle Buoy SF	RAC INOP	18649	SF-0040-22	17/22	
365	Mile Rocks Light	LT EXT	18649	SF-0099-22	44/22	
370	Point Bonita Light	SS INOP	18649	SF-0132-23	36/23	
450	Point Cabrillo Light	LT EXT	18620	HB-0009-23	28/23	
500	NOAA Environmental Lighted Buoy 46022	MISSING	18620		20/23	
1485	San Diego Bay Approach Lighted Whistle Buoy SD	RAC INOP	18772	SD-0070-22	38/22	
1493	San Diego Bay Approach Lighted Bell Buoy 4	LT IMCH	18772	SD-0074-22	41/22	
1535	Zuniga Jetty Light W	STRUCT DEST	18773	SD-0038-23	26/23	
<b>1545</b>	<b>San Diego Bay Channel Lighted Buoy 8</b>	<b>OFF STA</b>	<b>18773</b>	<b>SD-0070-23</b>	<b>39/23</b>	
2020	San Diego Bay Channel Lighted Buoy 34	OFF STA	18773	SD-0037-23	25/23	
2635	Ship Rock Light	LT EXT	18757	LA-0095-21	26/21	
2641	Isthmus Cove Harbor Reefs Light	STRUCT DMGD	18757	LA-0018-21	05/21	
2670	Santa Catalina Island West End Light	LT EXT	18757	LA-0113-19	34/19	
2810	Anaheim Bay Channel Buoy 7	OFF STA	18749	LA-0062-22	30/22	
3012	Long Beach Light	LT EXT	18749	LA-0148-20	49/20	
3117	Los Angeles Main Channel Lighted Buoy 11	REDUCED INT	18749	LA-0105-21	28/21	
3132	Terminal Island Channel Lighted Buoy 1	STRUCT DMGD	18749	LA-0027-22	16/22	
3330	Redondo Beach West Jetty Light 3	STRUCT DEST	18744	LA-0021-23	09/23	
3750	Santa Barbara Harbor Breakwater Light	SS INOP	18725	LA-0029-23	14/23	
3877	Morro Bay Rough Bar Warning Light	LT EXT	18703	LA-0027-23	12/23	

3970	Monterey Harbor Light 6	SS INOP	18685	SF-0064-20	27/20
4130	Pillar Point Harbor Entrance Lighted Gong Buoy 1	SS INOP/STRUCT DMGD	18680	SF-0082-23	17/23
4220	Point Bonita Light	SS INOP	18649	SF-0132-23	36/23
4245	Mile Rocks Light	LT EXT	18649	SF-0099-22	44/22
<b>4315</b>	<b>Alcatraz Light</b>	<b>LT IMCH</b>	<b>18650</b>	<b>SF-0139-23</b>	<b>39/23</b>
<b>4607</b>	<b>Oakland Harbor Bar Channel Lighted Buoy 2A</b>	<b>LT IMCH</b>	<b>18650</b>	<b>SF-0138-23</b>	<b>39/23</b>
4610	Oakland Outer Harbor Range B Front Light	DAYMK MISSING	18650	SF-0070-23	14/23
4625	Oakland Outer Harbor Range A Rear Light	LT EXT	18650	SF-0092-22	42/22
4655	Oakland Outer Harbor Light 13	MISSING/TRLB	18650	SF-0067-23	14/23
4680	Oakland Inner Harbor Light 10	MISSING/TRLB	18650	SF-0052-21	02/22
4684	Oakland Inner Harbor Turn Basin Light B	STRUCT DMGD/TRLB	18650	SF-0097-21	29/21
4740	San Leandro Bay Airport Channel Daybeacon 6	STRUCT DEST/TRUB	18650	SF-0033-22	15/22
4830	San Leandro Marina Channel Light 1	LT EXT/SS INOP		SF-0012-23	02/23
5225	Redwood Creek Light 11	STRUCT DEST/TRLB		SF-0097-23	24/23
5430	Berkeley Marina Channel Light 2	LT EXT	18650	SF-0086-22	40/22
5725	Richmond Harbor Channel Light 9	MISSING/TRLB	18649	SF-0098-22	43/22
5845	San Rafael Creek Light 3	STRUCT DEST	18653	SF-0109-23	27/23
5890	San Pablo Bay Preferred Channel Lighted Buoy E	SINKING	18654	SF-0122-23	31/23
6095	Mare Island Strait Light 2	STRUCT DMGD/TRLB	18655	SF-0152-20	49/20
6240	Carquinez Strait Light 23	LT EXT	18656	SF-0008-23	02/23
6557	Suisun Bay Channel Light 24A	STRUCT DEST/TRLB	18656	SF-0134-23	36/23
6685	San Joaquin River Light 8	STRUCT DMGD/TRLB	18656	SF-0109-21	02/22
6830	San Joaquin River Light 39	STRUCT DMGD	18661	SF-0119-23	30/23
7210	Sacramento River Deep Water Ship Channel Light 10	MISSING/TRLB	18656	SF-0101-21	32/21
7235	Sacramento River Deep Water Ship Channel Light 15	MISSING/TRLB	18661	SF-0100-20	35/20
7240	Sacramento River Deep Water Ship Channel Light 16	STRUCT DEST/TRLB	18661	SF-0127-18	34/18
7260	Sacramento River Deep Water Ship Channel Light 20	MISSING/TRLB	18661	SF-0108-21	05/23
7810	Bodega Harbor Channel Light 6	STRUCT DMGD/TRLB		SF-0028-21	08/23
7815	Bodega Harbor Channel Daybeacon 7	STRUCT DEST/TRLB		SF-0046-23	08/23
8500	Lake Tahoe Buoy V	MISSING		SF-0130-23	35/23

#### DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1835	San Diego Bay Channel Lighted Buoy 23	WATCHING PROPERLY	18773	SD-0071-23	39/23	39/23

#### 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	
505	Scripps Waverider Lighted Research Buoy 168	LT EXT	18620	HB-0003-22	14/22	
1665	Americas Cup Harbor Daybeacon 2	STRUCT DEST/TRUB	18773	SD-0001-22	02/22	
2056	Sweetwater Channel Light 6	STRUCT DEST	18773	SD-0087-22	47/22	
2070	Coronado Cays Channel Daybeacon 3	STRUCT DEST	18773	SD-0098-17	36/17	
2090	Coronado Cays Channel Light 7	STRUCT DEST/TRUB	18773	SD-0046-22	31/22	

2159.1	Chula Vista Channel Shoal Light B	STRUCT DEST	18773	SD-0021-23	14/23
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
2764.4	Catalina Sea Ranch SE Buoy	MISSING	18746	LA-0001-22	03/22
2871	Long Beach Harbor Brusco Lighted Mooring Buoy	LT EXT	18749	LA-0009-21	03/21
3339.2	REDONDO HARBOR LIGHT	LT EXT	18744	LA-0181-18	52/18
3400	El Segundo NRG Energy Buoy 6ES	SINKING	18744	LA-0153-21	39/21
3420	Hyperion Lighted Gong Buoy 10 ES	LT EXT	18744		16/20
3972.1	Monterey Harbor Junction Lighted Buoy A	Status Unreported	18685	SF-0039-23	06/23
4401	Richardson Bay Daybeacon 8	DAYMK DMGD	18653		15/20
4402	Richardson Bay Daybeacon 9	STRUCT DMGD	18649	SF-0086-18	23/18
4445	San Francisco-Oakland Bay Bridge Pier D Fog Signal	SS INOP	18650	SF-0034-23	34/23
4576	South Beach Harbor North Entrance Light 2	LT EXT	18650	SF-0047-21	11/21
4577	South Beach Harbor North Entrance Light 1	LT EXT	18650	SF-0046-21	10/21
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
4826.2	Bay Farm Island Light 4	LT EXT	18650	SF-0136-21	44/21
4827.1	San Francisco Bay Anchorage 9 Lighted Mooring Buoy A	LT EXT	18650	SF-0012-20	04/20
<b>4828.1</b>	<b>San Francisco Bay Anchorage 9 Lighted Mooring Buoy B</b>	<b>MISSING</b>	<b>18650</b>		<b>39/23</b>
5661	Southampton Shoal Outfall Lighted Buoy 1	MISSING	18653	SF-0136-23	38/23
5662	Southampton Shoal Outfall Lighted Buoy 2	LT EXT	18653	SF-0059-21	14/21
5877.2	San Rafael Rock Quarry Mooring Buoy C	MISSING	18653		36/18
6623	New York Slough Koch West Light	LT IMCH			39/18
6624	New York Slough Koch East Light	LT EXT			39/18
6645.5	Delta Diablo Outfall Lighted Buoy	LT EXT		SF-0005-22	02/22
6677	Antioch Marina Entrance Light 1	LT IMCH	18656		18/23
<b>6678</b>	<b>Antioch Marina Entrance Light 2</b>	<b>LT IMCH</b>	<b>18656</b>		<b>39/23</b>
8325	Pacific Gas and Electric Dike Light	LT EXT		HB-0009-21	20/21
8591.1	Lake Tahoe NASA-JPL Lighted Research Buoy TB2	Status Unreported			37/22

#### DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
<b>6363</b>	<b>Avon Turning Basin North Light</b>	<b>WATCHING PROPERLY</b>	<b>18658</b>		<b>39/23</b>	

#### 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

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**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.

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**TEMPORARY CHANGES**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
280	Point Sur Light	Reduced Intensity	18680	SF-0105-20	35/20	

**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

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**SECTION IV - CHART CORRECTIONS**

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None

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**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.

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**SUMMARY OF ADVANCED APPROVED PROJECTS****Approved Project(s)****Project Date****Ref. LNM**

None

**Advance Notice(s)****CALIFORNIA-SAN FRANCISCO TO SAN DIEGO-REMOVAL OF RACONS ON AIDS TO NAVIGATION**

The U.S. Coast Guard will be removing the RACONS from aids to navigation located along the California Coast due to the consistent failure of the signals and that they are no longer considered necessary for safe navigation of the waterways. While there is no specific timeline for the removal of this equipment, it will be coordinated with servicing and discrepancy responses. The removal of the RACONS will be announced by Broadcast Notice to Mariners and published in the Local Notice to Mariners as Chart and Light List corrections. These aids to navigation are:

San Francisco Approach Lighted Whistle Buoy SF (LLNR 360): 37-44-59.761N 122-41-33.995W  
Harding Rock Lighted Buoy HR (LLNR 4330): 37-50-17.661N 122-26-45.579W  
Los Angeles Approach Channel Lighted Whistle Buoy 3 (LLNR 3107): 33-41-16.012N 118-14-24.050W  
Long Beach Channel Approach Lighted Whistle Buoy LB (LLNR 3010): 33-41-24.013N 118-11-01.050W  
San Diego Bay Approach Lighted Whistle Buoy SD (LLNR 10): 32-37-20.204N 117-14-45.177W

Mariners are requested to respond in writing to the Coast Guard District office with any comments on this change at D11-SMB-D11-LNM@uscg.mil. Any discrepancy for these or other Aids to Navigation should continue to be reported to the closest US Coast Guard Sector.

Charts: 18007 18010 18022 18640 18649 18650 18680 18746 18749 18765 18772 LNM: 39/23

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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).

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**PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT**

**Proposed Project(s)**

**Closing**

**Docket No.**

**Ref. LNM**

None

**Proposed Change Notice(s)**

**NORTHERN CALIFORNIA-SAN FRANCISCO-MILE ROCKS LIGHT**

The U.S. Coast Guard is proposing to permanently reduce Mile Rocks Light (LLNR 365) nominal range to 8 NM. The aid is in position 37-47-34.171N, 122-30-37.405W. Please direct questions, comments, or concerns no later than 22 November, 2023 to LTJG Samantha Hu at 206-827-3518 or Samantha.G.Koval@uscg.mil.

Charts: 18007 18010 18020 18022 18640 18649 18680

LNM: 39/23

**SOUTHERN CALIFORNIA – LOS ANGELES – BUOY DISESTABLISHMENT**

The U.S. Coast Guard is proposing to permanently disestablish the Los Angeles East Basin Channel Buoy 4. The aid is in the approximate position: 33-46-21N, 118-14-55W. For more details or comments, contact no later than 25 October, 2023 to LTJG Samantha Hu at 510-437-2983 or Samantha.G.Koval@uscg.mil.

LNM: 30/23

**SOUTHERN CALIFORNIA-SAN MATEO-SAN MATEO LIGHT**

The U.S. Coast Guard is proposing to permanently disestablish the San Mateo Point Light LLNR 80. The aid is in position: 33-23-18.241N, 117-35-44.642W. Direct any questions, comments, or feedback no later than October 31, 2023 to LTJG Samantha Hu at 510-437-2983 or Samantha.G.Koval@uscg.mil.

Charts: 501 18020 18022 18740 18774

LNM: 31/23

**SOUTHERN CALIFORNIA-SANTA BARBARA-SANTA BARBARA HARBOR BREAKWATER LIGHT**

The U.S. Coast Guard is planning to install a Mariner Radio Activated Sound Signal (MRASS) device on Santa Barbara Harbor Breakwater Light (LLNR 3750). This device will allow the mariner to activate the installed sound signal by keying on a VHF-FM radio microphone six times at the designated frequency for the AtoN (83A). Please direct questions, comments, or concerns no later than 27 October, 2023 to LTJG Samantha Hu at 510-437-2983 or Samantha.G.Koval@uscg.mil.

Charts: 18720 18725

LNM: 30/23

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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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**ANNOUNCEMENT – U.S. Coast Pilot® 7 and U.S. Coast Pilot® -NEW EDITIONS-Spring 2023**

PUBLICATION–National Oceanic Atmospheric Administration (NOAA) – U.S. Coast Pilot 7, Pacific Coast: California, 55th Edition, 2023, has been issued and is ready for free download and weekly updates at [www.nauticalcharts.noaa.gov/publications/coast-pilot/index.html](http://www.nauticalcharts.noaa.gov/publications/coast-pilot/index.html).

Only Print-on-Demand (POD) 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). The 2023 Edition cancels the preceding 2022 Edition, and incorporates all previous corrections.

LNM: 22/23

**ARIZONA/NEVADA-COLORADO RIVER-BRIDGE**

NEW LAUGHLIN-BULLHEAD CITY BRIDGE- Work continues on the construction of the new bridge in position 35-03-17N 114-36-45W. Work is being conducted Monday through Friday, 0630 to 1430, until 03 Oct, 2023. The bridge completely spans the river. The center of the navigation span provides 30 ft of vertical clearance at ordinary high water and the centerline is marked on the upstream and downstream sides with two green center channel lights. The access pads on the Arizona and Nevada side have been reduced exposing piers of the new bridge. The upriver and downriver ends of the piers, as well as the channel ward side of middle pier, and the upriver and downriver in-ward tip of the Nevada side access pad and the downriver inward tip of the Arizona side access pad are lit at night with steady burning red lights, visible at 2,000 yards by approaching vessels. A fourth red light will be installed on the northeast side of the river to mark the area to keep vessels out (see [RockAccessPad\\_Lighting02.pdf](#) at the end of this notice). Approximately 117 feet of horizontal clearance is provided in the center of the river during construction. For on-site conditions contact 702-455-6030 or 702-817-7088, or 702-286-0137. For further information contact the Coast Guard Bridge Office at 510- 437-3515.

LNM: 21/23

**CALIFORNIA –PORT OF LOS ANGELES –UNMANNED UNDERWATER VEHICLE**

Boeing will be conducting operational autonomous unmanned underwater vehicle (UUV) from 7 August, 2023 until 30 September, 2023 in the vicinity the Port of Los Angeles in the areas bound by the following coordinates:

OPAREA1:

33-42-25N 118-19-55W

33-39-47N 118-21-36W

33-41-13N 118-24-40W

33-43-48N 118-22-48W

OPAREA2:

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

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

33-25-36N 118-21-19W

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

33-31-35N 118-23-31W

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

**CALIFORNIA –PORT OF LOS ANGELES –UNMANNED UNDERWATER VEHICLE**

M/V AMERICAN ISLANDER will be on scene and monitoring VHF-FM Chan. 14 & 16. Mariners are requested to keep 1 Nautical Mile from the UUV and M/V AMERICAN ISLANDER. Mariners are requested to transit the area with caution. For more details or comments contact Greg Gaskey at 253-229-8809.

Chart 18022

LNM: 32/23

**CALIFORNIA-OFFSHORE CALIFORNIA-SUVERY OPERATIONS**

SAILDRONE, INC. is conducting oceanographic research with Uncrewed Surface Vehicles (USVs), called SAILDRONE EXPLORERS off the coast of California, Oregon and Washington during the months from July through September 2023. SAILDRONE EXPLORERS are 23 feet in length, 16 ft tall, orange in color, have a white all around light on top of the wing and are marked "SAILDRONE". Three of these vehicles will be following 30 Nautical mile long transects starting 5 nm from shore and running perpendicular to shore on an east/west or west/east course. Sailandrone vehicles are uncrewed, wind and solar powered, and will have limited maneuverability during survey operations. Mariners are requested to remain greater than 500 meters away from the research equipment and to transit the area with caution. For more details or comments contact Sailandrone at 510722-6070 or missioncontrol@sailandrone.com.

Charts: 18600 18620 18640 18680 18700 18720

LNM: 24/23

**LOWER COLORADO RIVER - PARKER, AZ - MARINE EVENT**

The Arizona Dragboat Association will be sponsoring the 2023 ADBA Octoberfest 6-8 October, 2023 from 8:00am to 5:30pm each day. The event will consist of approximately 100 total vessels racing on a course near La Paz County Park. Mariners are requested to transit the area with caution. For more information or comments, contact Jeremy Denny at 602-614-0560.

LNM: 37/23

**LOWER COLORADO RIVER-LAKE HAVASU, AZ –MARINE EVENT**

Howard Custom Boats will be sponsoring the 2023 Howard Custom Boats Regatta on 30 September, 2023 to 1 October, 2023 in Lake Havasu. The event will consist of approximately 50 power-driven vessels parading on a course through the Bridgewater Channel on 30 September, 2023, followed by a social gathering at Pirates Cove Resort. A gathering at Steamboat Cove on 1 October, 2023 is also planned. Mariners are requested to transit the area with caution. For more information or comments, contact Hamlet Tarbinian at 661-257-9275.

LNM: 38/23

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

Pro Watercross will be sponsoring the Pro Watercross International Cup on 26 September, 2023 until 2 October, 2023 from 8:30am to 5:00pm each day. The event will involve approximately 150 total participants on personal watercraft racing on a course south of Havasu Riviera Marina. Mariners are requested to transit the area with caution. For further comments or details, contact AJ Handler at 585-330-0742.

LNM: 33/23

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

The Freestyle Personal Watercraft Association (FPWCA) will be sponsoring the Fall Round – U.S. Freestyle Championship event on 30 September, 2023 from 7:00am to 7:00pm. The event will involve a freestyle PWC competition on a closed course in the Bridgewater Channel, south of London Bridge. Mariners are requested to transit the area with caution. For further comments or details, contact Vaclav Zacek at 928-412-2976.

LNM: 33/23

**LOWER COLORADO RIVER–LAKE HAVASU, AZ- MARINE EVENT**

The Lake Havasu Divers Association will be sponsoring the 12th Annual Bridgewater Channel Underwater Cleanup on 21 October, 2023 from 7:00am to 11:00am. The event will involve approximately 30-50 divers participating in an underwater cleanup encompassing the area just south of London Bridge to the southern end of the Bridgewater Channel. A special local regulation will be in effect, vessels will be prohibited from entering the event area during this time. For more information or comments, contact Kathy Weydig at 928-230-9796.

LNM: 37/23

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

TOWER DRAWBRIDGE- The drawspan will be secured in the closed-to-navigation position for a community event from 7:00am to 4:00pm on 30 September, 2023. The bridge provides 30' vertical clearance above mean high water when closed. Vessels that can transit the bridge in the closed position may continue to do so at any time. For more details or comments, contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18662

LNM: 37/23

**NORTHERN CALIFORNIA - SANTA CRUZ - WAVERIDER BUOY**

A Waverider buoy has been deployed at 36-56-04N 122-02-02W near Santa Cruz, CA. The buoy will be used for wave measurements to aid the Coastal Data Information Program. For questions, contact Ross Timmerman at 619-818-8387.

Chart 18685

LNM: 33/22

**NORTHERN CALIFORNIA -SAN FRANCISCO BAY- DEMOLITION**

Silverado Contractors, Inc. will commence demolition in the San Francisco Bay, Point San Pablo at 37-57-48N 122-25-45W from 10 July, 2023 until 30 November, 2023 from 6:00am to 5:00pm. Spud Barge CB2, HITACHI 870 Excavator, LITTLE CINDY Material Barge Tec-36 Material Barge and Work Skiffs will be onsite to complete the demolition and monitoring VHF-FM CHAN. 71. Mariners are requested to transit the area with caution. For more information contact Matt Bramlett at 925-818-2324.

Chart 18653

LNM: 26/23

**NORTHERN CALIFORNIA – SAN FRANCISCO – MARINE EVENT**

The Coast Guard will be enforcing the regulations in 33 CFR 100.1105 that establish regulated areas in the navigable waters of San Francisco Bay for the annual U.S. Navy and City of San Francisco sponsored Fleet Week Parade of Navy Ships and Blue Angels Demonstrations to be held on 5-8 October, 2023. Both regulated areas Alpha and Bravo will include all navigable waters from the surface to the seafloor encompassed by the following positions:

Regulated Area Alpha:  
37-48-40N 122-28-38W



**NORTHERN CALIFORNIA – SAN FRANCISCO – MARINE EVENT**

37-49-10N 122-28-41W  
37-49-31N 122-25-18W  
37-49-06N 122-24-08W  
37-47-53N 122-22-42W  
37-46-00N 122-22-00W  
37-46-00N 122-23-07W

**Regulated Area Bravo:**

37-48-28N 122-24-04W  
37-49-31N 122-24-18W  
37-49-00N 122-27-52W  
37-48-19N 122-27-40W

**2023 Fleet Week Air Show Box Buoy positions:**

In position from 4-9 October 2023

Center Pt: 37-49-00N 122-25-35W  
SW Corner: 37-48-36N 122-26-47W  
NW Corner: 37-49-07N 122-26-52W  
NE Corner: 37-49-23N 122-24-21W  
SE Corner: 37-48-53N 122-24-16W

Regulated Area "Alpha" for the Navy Parade of Ships will be enforced from 10:30am to 12:30pm on 6 October, 2023. Regulated Area "Bravo" for the U.S. Navy Blue Angles Activities will be enforced from 12:00am to 7:00pm on 5 October, 2023 from 11:30am to 5:00pm on 6-8 October, 2023; Under the provisions of 33 CFR 100.1105 a vessel may not enter the regulated area, unless it receives permission from the Captain of the Port. Additionally, no person or vessel may enter or remain within 500 yards ahead of the lead Navy parade vessel, within 200 yards astern of the last parade vessel, and within 200 yards on either side of all parade vessels. No person or vessel shall anchor, block, loiter in, or impede the transit of ship parade participants or official patrol vessels.

Chart 18650

LNM: 37/23

**NORTHERN CALIFORNIA- SACRAMENTO RIVER- LEVEE CONSTRUCTION**

The Dutra Group will be conducting levee construction along the Sacramento River between Tower Bridge and Freeport Bridge in Sacramento from 1 July, 2023 until 30 November, 2023 during daylight hours. Crane Barge TM20, Crange Barge KELSO, and Crane Barge #1, along with a work boat and tug boat will be monitoring VHF-FM Chan. 9, 16 & 68. Mariners are requested to transit the area with caution. For more details or comments contact Scott Brooks at 707-333-5029.

Chart 18661

LNM: 21/23

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

The Dutra Group will be conducting marine construction south side of the Sacramento River bordering Brannan Island between River Mile 14.60 and 17.34, between the Sacramento River and Cache Slough River mouth to Ramos CFN in Sleton from 2 August, 2023 until 31 December, 2023. The Crane Barge 1 (50'x150') equipped with a 390' Long Reach Excavator along with a tugboat and miscellaneous small skiffs will be utilized on the project. The crane barge will be spudded at various locations during construction within the construction area. The material barge will be in transit from the San Rafael Rock Quarry. The material barges will be moored onsite while waiting to be offloaded or transported back to the quarry. The crane barge, as well as the workboats will mobilize from Dutra's Rio Vista Yard to the Sacramento River project site. Work will occur during daylight hours but towing of material supply barges and maneuvering of the spud barge outside of the construction area may continue at all hours. At the end of each shift, crane barges will be spudded in with flashers on all corners along with all other marine equipment. The Crane Barge crews will monitor VHF-FM CHAN. 9, 16 & 68A, or can be reached by calling 707-333-5029. The upstream and downstream corners of each barge will be lighted at night with steady burning red lights. Mariners are advised to use extreme caution while transiting the construction site. Mariners are urged to transit at their slowest safe speed to minimize wakes. For more details or comments contact William Ng at 707-231-6862.

LNM: 31/23

**NORTHERN CALIFORNIA- SAUSALITO- DREDGING OPERATIONS**

Salt River Construction Corporation will be conducting dredging operations in the Richardson Bay Marina, Sausalito, County of Marin at 37-52-38N 122-30-11W on 31 July, 2023 through 30 November, 2023. The self-contained dredge/dump barges No. 1, No. 2, Tugboat "P CAY" (call sign WDM4874) and the Tugboat "SPRINGER" (call sign WDH5205) will be on the scene and monitoring VHF chan. 13, 14, & 78. There will be no temporary mooring piles or anchor balls placed by Salt River Construction outside the channel entrance of the Richardson Bay Marina. However, SRCC will be placing a 300' silt curtain/debris boom along the East side of the Marina, per Regulatory requirements. This boom will not affect navigation in the area. Mariners are requested to transit the area with caution. For details or comments contact Rick Moseley at 415-435-1024.

LNM: 29/23

**NORTHERN CALIFORNIA-ALAMEDA TO PIONEER SEAMOUNT AREA-SEA TRIALS**

SAILDRONE, INC. is conducting offshore oceanographic research survey testing and will operate up to five Unmanned Surface Vehicles called SAILDRONE Explorers and SAILDRONE Voyagers until 30 September, 2023, in the Pioneer Seamount area. The operations will be conducted within the following coordinates:

Survey Site 1: 37-22.00N 123-19.80W  
37-22.00N 123-08.40W  
37-15.00N 123-08.40W  
37-15.00N 123-19.80W  
Survey Site 2: 37-31.00N 122-57.00W  
37-28.00N 123-04.00W  
37-26.00N 122-53.00W  
37-23.00N 123-00.00W

The Saildrone Explorer is 23 feet long, 16 feet tall, painted orange with a white all-around light on top and marked SAILDRONE. The Saildrone Voyager is 33 feet long, 21 feet tall and painted orange or gray and marked SAILDRONE. Saildrones will broadcast AIS and travel at a speed up to 5 knots. Mariners are requested to transit the area with caution and maintain a 500 meters separation from the Saildrone. For more details or comments contact Saildrone mission control at missioncontrol@saildrone.com or 510-722-6070.

Charts: 18640 18680

LNM: 10/23

**NORTHERN CALIFORNIA-ALCATRAZ ISLAND-MARINE CONSTRUCTION**

Manson Construction Co. will be conducting marine construction to the wharf at Alcatraz Island at 37-49-36N 122-25-15W. Construction will begin on 23 January, 2023 and be completed on 04 October, 2025. During construction DB HAGAR will be utilizing divers during low tide. Tug WESTAR will be assisting DB HAGAR and monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Matt Lehmann at 510-529-1583.

Chart 18653

LNM: 50/22

**NORTHERN CALIFORNIA-CACHE SLOUGH-MARINE CONSTRUCTION**

The Dutra Group will be conducting marine construction along Hastings Island facing Cache Slough down to the Hastings Island Bridge. Construction will begin 29 August, 2023 until 31 December, 2023. CRANE BARGE 1 along with a tugboat and skiffs will be monitoring VHF-FM Chan. 9, 16 and 68A. A material barge will transit from the San Rafael Rock Quarry to the construction site. Mariners are requested to transit the area with caution. For more details or comments contact William Ng at 707-231-6862.

Charts: 18661 18664

LNM: 34/23

**NORTHERN CALIFORNIA-CARQUINEZ STRAIT-BRIDGE**

1958 I-80 HIGHWAY BRIDGE- Caltrans will use a traveler platform to conduct inspections under the bridge deck from 8:30am to 12:30pm, 25 September through 28 September, 2023. The platform reduces vertical clearance of the bridge by 6ft. For the safety of navigation, the traveler can be moved out of the navigational channel if at least one hour notice is given at 510-599-7310. For more information, contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18656

LNM: 38/23

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

CAPITAL CITY HWY (Route 51) BRIDGE-Caltrans is conducting rehabilitation of the bridge until 27 June, 2025. Work will be conducted during daylight hours, 7am to 5:30pm, Monday through Friday, and will include the use of barges, work boats, tugboats, turbidity curtains, and access piers. (See AmRiv\_SiltCurtain\_BargeLocation.pdf in the enclosure section.). During the workday, barges can be moved for the safety of navigation with one hour notice to the contractor via VHF-FM CH 16 or by cell at 916-532-8208. Mariners should contact the contractor before transiting the bridge to determine location of turbidity curtains. Barges will be unmanned and moored at their work locations overnight. Each corner of each barge will be lighted at night with steady burning red lights. At least 25 feet of horizontal clearance for navigation will be available at all times. Mariners are requested to transit the area with caution. For further information, contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18662

LNM: 23/22

**NORTHERN CALIFORNIA-DELTA & RIVERS-MINER SLOUGH-BRIDGE**

MINER SLOUGH DRAWBRIDGE- The drawspan will be secured in the closed-to-navigation position from 9:00am to 5:00pm on 22 October, 2023, for a community event. The bridge provides 17' vertical clearance above mean high water when closed. Vessels that can transit the bridge in the closed position may continue to do so at any time. For more details or comments, contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18662

LNM: 38/23

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

HIGHWAY 37 BRIDGE-The northwest fender in the main navigation span of the bridge is damaged and may not offer adequate protection for vessels passing through the bridge. For further information, contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18654

LNM: 09/23

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

CA ROUTE 4 BRIDGE- Critical bridge rehabilitation is taking place 7:00am to 3:30pm Monday through Friday through 30 November, 2023. The swing span WILL NOT open for the passage of vessels. In the closed position, the bridge provides 12' vertical clearance above mean high water. Vessels able to transit the bridge while closed can continue to do so at any time. For conditions at the work site, mariners can contact the contractor at 209-513-7309 or 415-375-5549; or Caltrans at 209-470-8835 or 209-465-0935. For further information, contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18661

LNM: 13/23

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

HIGHWAY 37 BRIDGE-The upstream northwest fender on the bridge has been damaged and does not offer adequate protection for vessels or the bridge. The damaged fender encroaches 20-30 feet into the navigation channel. It is unknown if there is further encroachment beneath the waterline. The red light on the upstream portion of the fender and the axis light is extinguished. Estimated time of repair is unknown at this time. Mariners are urged to use caution when transiting the bridge. For a depiction of the damage and exact location, see HWY37FenderDamage.pdf in the enclosure section of this notice. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18654

LNM: 26/23

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

BLACK POINT RAILROAD BRIDGE- The upstream northeast side fenders are damaged and may not offer adequate protection for the bridge or vessels. Mariners are urged to exercise caution when transiting through the bridge. Estimated time of repairs is unknown. For comments, contact the Coast Guard Bridge Office at (510) 437-3461.

Chart 18654

LNM: 28/23

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

TOWER DRAWBRIDGE- The drawspan will be secured in the closed-to-navigation position from 4:00am to 11:00pm on 22 October, 2023, for a community event. The bridge provides 30' vertical clearance above mean high water when closed. Vessels that can transit the bridge in the closed position may continue to do so at any time. For more details or comments, contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18662

LNM: 38/23

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

REPLACEMENT BUTTE CITY BRIDGE- Replacement bridge construction continues Monday through Friday during daylight hours until 01 November, 2025. Installation of a temporary trestle has begun. Once trestle is in place, falsework will be installed. A temporary navigation span during

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

construction will be just west of the existing bridge's pivot pier, 435 feet west of new bridge abutment, and is lighting at night with a green center channel light on the upriver and downriver portion of the trestle. Red lights will mark low steel of the remaining spans of the trestle. A buoy line will be installed, pending Coast Guard approval, to guide vessels through the bridge construction area (see ButteConstructionLighting-BuoyLine.pdf enclosure at the end of this notice). The temporary navigation span will provide at least 32 feet of horizontal clearance and 14 feet of vertical clearance from ordinary high water to low steel of the temporary trestle. For on-scene conditions contact Golden State Bridge, Inc, at 415-720-6577 or 925-260-0403 or Caltrans at 530-941-8272 or 530-682-3931. For further information contact the Coast Guard Bridge Office at 510-437-3461.

LNM: 42/22

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

PAINTERSVILLE and ISLETON DRAWBRIDGES-Caltrans will be replacing the primary bridge controls at both bridges. This work will require a temporary change in the operating schedules of the bridges. Therefore from 7 am on 01 Nov, 2023 to 7 am on 30 Jun, 2024, each bridge will open on signal if at least 4 hours notice is given to the bridge tender at the Rio Vista bridge across the Sacramento River and each bridge will be conducting single leaf operations. During single leaf operations, the Isleton bridge, when open, will provide ~83 feet of horizontal clearance from the end of the closed leaf to the tip of the open leaf; the Paintersville bridge, when open, will provide ~77 feet of horizontal clearance from the end of the closed leaf to the tip of the open leaf. Comments concerning this proposed temporary schedule change and reduction in horizontal clearance can be made to the Coast Guard at D11-SG-M-DPW-Bridges@uscg.mil through September 27, 2023.

Charts: 18661 18662

LNM: 37/23

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

RIO VISTA BRIDGE-The upriver and downriver green center channel lights on the lift span are not operational. The center span channel lights show red in all positions, even when the span is in the fully open-to-navigation position. The bridgetender will be able to inform any vessel requesting an opening when the lift span is fully open. Estimated time of repair is unknown. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18661

LNM: 49/22

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

RIO VISTA BRIDGE-The primary bridge controls have been replaced. To commission the newly replaced controls, the following temporary change to the operating schedule has been granted. From 6am on 28 Aug, 2023 until 6pm on 30 Jan, 2024, the lift span of the bridge will open on signal if at least a 4-hour notification is given to the drawtender at 707-374-2134. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18661

LNM: 33/23

**NORTHERN CALIFORNIA-DELTA & RIVERS-SAN JOAQUIN RIVER-BRIDGE**

CROWS LANDING ROAD BRIDGE- Replacement of the bridge is ongoing. Work is being conducted Monday through Friday 6:00am to 4:00pm until 30 December, 2023. A temporary bridge, with a removable span, is installed to facilitate construction. With the span removed, the temporary bridge will provide, at a minimum, 15 feet of horizontal clearance. The span will be removed after normal working hours. Temporary falsework has also been installed. The temporary falsework's navigation span will provide 16 feet of vertical clearance at Ordinary High Water when the temporary bridge's removable span is removed. Upriver and downriver red channel margin lights and green center channel lights will mark the temporary navigation span at night. To view the temporary navigation span and lighting, see the TemporaryBridge\_FalseworkLighting.pdf enclosure at the end of this notice. Mariners are requested to use extreme caution when transiting the work site. For conditions at the project site mariners can contact the contractor at 916-869-8210 or 559-593-5182. For further information contact the Coast Guard Bridge Office at 510-437-3461.

LNM: 36/22

**NORTHERN CALIFORNIA-DELTA & RIVERS-TURNER CUT-BRIDGE**

ZUCKERMAN BROTHERS BRIDGE-The retractable span of the bridge is secured in the closed-to-navigation position due to mechanical and electrical issues. When closed the bridge provides 16 feet of vertical clearance at mean high water. Vessels able to transit the bridge while closed can continue to do so at any time. Estimated time of repair, unknown. For further information contact the Coast Guard Bridge Office at 510-467-3516.

Chart 18661

LNM: 25/23

**NORTHERN CALIFORNIA-FARALLON ISLAND -SURVEY OPERATIONS**

SAILDRONE, INC. is conducting oceanographic research with Uncrewed Surface Vehicles (USVs) in the vicinity of Southeast Farallon Island approximately 1nm to 5nm from shore starting 1 September, 2023 until 30 September, 2023. SAILDRONE EXPLORERS are 23 feet in length, 16 ft tall, orange in color, have a white all around light on top of the wing and are marked "SAILDRONE". Saildrone vehicles are uncrewed, wind and solar powered, and will have limited maneuverability during survey operations. Mariners are requested to remain greater than 500 meters away from the research equipment and to transit the area with caution. For more details or comments contact Saildrone at 510-722-6070 or missioncontrol@saildrone.com.

Chart 18640

LNM: 36/23

**NORTHERN CALIFORNIA-GOLF OF THE FARALLONES -BUOY DEPLOYMENT**

SoFar Ocean Technologies will be testing a oceanographic buoy system a few miles offshore South Ocean Beach at 37-43-29N 122-33-12W, 37-43-58N 122-33-10W, 37-49-44N 122-33-09W, 37-43-46N 122-32-54W, 37-43-54N 122-32-52W until 15 December, 2023. A 19 Foot C-Dory (CF3571SX) will deploy a yellow buoy Fl Y 2.5s to test an oceanographic buoy system. The C-Dory will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Colin Browser at 206-972-7830.

Chart 18649

LNM: 26/23

**NORTHERN CALIFORNIA-HOOKTON CHANNEL-SUBMERGED WRECK**

The submerged wreck in position 40-43-54N 124-13-09W no longer has masts visible, and is entirely submerged. The U.S. Coast Guard will permanently disestablish the temporary wreck buoy in position 40-43-55.32N, 124-13-09.69W on or around 4 October, 2023. Direct any questions or concerns to LTJG Samantha Hu at Samantha.G.Koval@uscg.mil or 206-827-3518.

LNM: 37/23

**NORTHERN CALIFORNIA-LITTLE CONNECTION SLOUGH-SUBMERGED VESSEL**

The Coast Guard received a report of a submerged 100' towing vessel on the Little Connection Slough at 38-03-29N 121-30-02W and is in approximately 10ft of water and partially visible above the waterline. Mariners are requested to transit the area with caution. For more details or comments contact USCG Sector San Francisco Waterways at 415-399-7443 or SFWaterways@uscg.mil

Chart 18661

LNM: 37/23

**NORTHERN CALIFORNIA-MARE ISLAND STRAITS-MARINE CONSTRUCTION**

DRS Marine, INC. will be anchoring barges in the mud flats of the Mare Island Straits. Construction will consist of maintenance on the PG&E towers at 38-05-04N 122-14-53W and 38-05-06N 122-15-16W from 29 August, 2023 until 31 October, 2023. Mariners are requested to transit the area with caution. For more details or comments contact Richard Williams at 707-648-3483.

Chart 18655

LNM: 35/23

**NORTHERN CALIFORNIA-MEDFORD ISLAND-MARINE CONSTRUCTION**

The Dutra Group will be conducting marine operations along Medford Island from 18 September, 2023 to 31 October, 2023. The Crane Barge KELSO (50'x 150') equipped with a 295 Excavator will be spudded in with flashers on all corners along with all other marine equipment along with a tugboat will be monitoring VHF-FM Chan. 9, 16 & 68A. Mariners are requested to transit the area with caution. For more details or comments contact Lucas Walker at 707-378-3822.

Chart 18661

LNM: 38/23

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

PG&E will be conducting removal of power lines from 5-11 October, 2023 from 8:00am to 5:00pm from Middle River 37-49-43N 121-23-13W to San Joaquin River 37-52-45N 121-19-55W. No in water equipment is anticipated and the conductor will remain at its existing height during removal. Mariners are requested to transit the area with caution. For more details or comments contact Adam Ross at 925-683-2652.

Chart 18663

LNM: 39/23

**NORTHERN CALIFORNIA-MONTEZUMA SLOUGH-MARINE CONSTRUCTION**

Sweetwater Construction, Inc. will be conducting repairs and maintenance on the Department of Water resources pier in Montezuma Slough. A spud barge and crane will be anchored at 38-09-21N 122-03-10W from 25 September, 2023 to 13 October, 2023 and will be monitoring VHF-Chan. 14&16. Mariners are requested to transit the area with caution. For further details or comments contact Richard Williams at 707-554-8824.

Chart 18656

LNM: 38/23

**NORTHERN CALIFORNIA-NEW YORK SLOUGH, STOCKTON SHIP CHANNEL, SAN JOAQUIN RIVER- SURVEY**

The Coast Guard is conducting a Waterways Analysis and Management System (WAMS) study of the New York Slough, Stockton Ship Channel, and the San Joaquin River from 19 September, 2023 to 15 November, 2023. The study focuses on the area's aids to navigation system, waterborne commerce, marine casualty information, port/harbor resources, emergency response plans, routine and emergency communication capabilities, and future development projects. Furthermore, this study seeks to obtain data on the effectiveness of the system of Aids to Navigation, as well as other waterway safety concerns. Any interested company or individual wishing to provide comments or participate in a user survey may do so via link at: <https://www.research.net/r/?sm=lak7zHWji8fS3RsOAC7yvpatygyZP3uDavmz9anwvHjv4OAUU2KyrwOlqOGPmk8> or contact LTJG Rubymar Sebastian at Rubymar.sebastian@uscg.mil or via phone at (571)-613-2930.

Charts: 18658 18663

LNM: 38/23

**NORTHERN CALIFORNIA-NEWPORT BAY-BRIDGE**

PACIFIC COAST HIGHWAY BRIDGE-Maintenance is being conducted on the bridge Monday through Saturday, 6:30 am to 5 pm, 02 October, 2023 through 05 January, 2024. A barge will be moored between piers 3 and 4 to conduct the work. The barge will be left on-scene, unmanned, during non-working hours. For further information contact the Coast Guard Bridge Office at 571-607-2207.

Chart 18746

LNM: 39/23

**NORTHERN CALIFORNIA-OAKLAND INNER HARBOR-BRIDGE**

FRUITVALE AVE RAIL BRIDGE-The lift span of the rail bridge is kept in the partially opened position providing 80 feet of vertical clearance at mean high water. The lift span has been repaired and can be raised to its fully upon position upon request from the Fruitvale Highway bridge operator. When the lift span of the railroad bridge is in the partially open position and the bascule span of the adjacent highway bridge is in the closed position, the lift span will show two red 180-degree center span lights on the upstream and downstream lower edge of the span. When the bascule span of the highway bridge is in the fully opened position, the lift span of the railroad bridge will show two 360-degree green lights, providing a range for the centerline of the channel between both highway and railroad bridges. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18649

LNM: 25/23

**NORTHERN CALIFORNIA-OAKLAND-DREDGING**

The Dutra Group will be conducting dredging operations at the Port of Oakland Berths 22-26, 30, 32-33, 35, 37, 55-63, 67-68 from 15 August, 2023 until 30 November, 2023. DB 24, DB BEAVER, tow tugs HEIDI BRUSCO, BECKY T, and PHYLLIS T will be monitoring VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Dennis Salyers at 415-497-5289.

Chart 18650

LNM: 30/23

**NORTHERN CALIFORNIA-OAKLAND-DREDGING OPERATIONS**

Manson Construction Co. will be conducting dredge operations in the Oakland Inner and Outer Harbor at 37-48-15N 122-20-43W on 7 August, 2023 until 1 January, 2024. Operations will be conducted 24 hours a day, 7 days a week. Dredge DB NJORD, Tugboat PETER M, Tugboat JEFFERY M, Survey Boat WAHOO will be conducting operations and monitoring VHF-FM Chan. 13 & 16. Dredged materials will be disposed of at Montezuma upland disposal site. Mariners are requested to transit the area with caution. For more details or comments contact Alex Kolesar at 510-437-5836.

Chart 18649

LNM: 29/23

**NORTHERN CALIFORNIA-OFFSHORE MONTEREY BAY-UNDERWATER OPERATIONS**

Reef Check Foundation have deployed underwater equipment offshore Monterey Bay, CA within the following coordinates: 36-36-17N 121-52-46W

**NORTHERN CALIFORNIA-OFFSHORE MONTEREY BAY-UNDERWATER OPERATIONS**

36-36-18N 121-52-49W

36-36-15N 121-52-50W

36-36-14N 121-52-46W

All equipment will be established until 24 Mar 24. Mariners are requested to transit the area with caution and avoid anchoring within the coordinates listed above. For more details or comments contact Dan Abbot at 510-684-7835.

Chart 18685

LNM: 12/21

**NORTHERN CALIFORNIA-OFFSHORE MOSS LANDING-SCIENTIFIC OPERATIONS**

The Monterey Bay Aquarium Research Institute (MBARI) will be conducting 24hrs a day autonomous, unmanned maritime vehicle operations of two Liquid Robotics, Inc. Wavegliders ([www.liquidr.com](http://www.liquidr.com)), from 09 January, 2023 until 31 December, 2023. (MBARI) will deploy the vehicles in the vicinity of Moss Landing. Operations will be between 36-18-00N 122-58-59W and 37-12-00N 122-58-59W. Wave Glider carries no fuel, lubricants, or hydrocarbons, is wave powered, remotely attended from MBARI moving at speeds of 1kt, and designed to give way or part if encountered by a vessel. It is approximately 8ft by 2ft (surfboard size), yellow/copper in color, with a contact plaque and mast extending 3ft 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@listserv.mbari.org](mailto:waveglider@listserv.mbari.org), or Liquid Robotics 24/7 WGOE Operations at 888-574-4574, 1-408-636-4205.

Charts: 18680 18685

LNM: 02/23

**NORTHERN CALIFORNIA-OFFSHORE PT MONTARA-SUVERY OPERATIONS**

SAILDRONE, INC. in collaboration with NOAA's National Data Buoy Center (NDBC), is conducting surveys at 37-21-21N 122-52-51W with an Uncrewed Surface Vehicle (USV), called a "SAILDRONE EXPLORER". This vehicle will remain on station from 31 August, 2023 until 31 August, 2024. Saildrone vehicles are 23 feet in length, orange in color, have a white all around light on top of the wing and are marked "SAILDRONE". The vehicle will have limited maneuverability during survey operations. Mariners are requested to remain greater than 500 meters away from the research equipment and to transit the area with caution. For more details or comments contact Saildrone at 510-722-6070 or [missioncontrol@saildrone.com](mailto:missioncontrol@saildrone.com).

Charts: 18680 18700

LNM: 36/23

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

SAILDRONE, INC. is conducting offshore oceanographic research and survey testing until 31 December, 2023. Five Unmanned Surface Vehicles called SAILDRONE VOYAGER in the area between the eastbound traffic lane and southbound traffic lane extending out to the Pioneer Canyon area:

37-40-01N 122-46-03W

37-39-18N 122-44-30W

37-11-06N 122-44-30W

37-21-48N 122-20-54W

Saildrone vehicles are 23 feet in length, 16 feet tall, painted orange with a white all around light on top and marked "SAILDRONE". The Saildrone Voyager is 33 feet long, 21 feet tall and painted orange or gray with a tri-color light on top. Saildrones will broadcast AIS and travel at a speed up to 5 knots. Mariners are requested to remain greater than 500 meters away from the research equipment and to transit the area with caution. For more details or comments contact Saildrone Mission Control at 510-722-6070 or [missioncontrol@saildrone.com](mailto:missioncontrol@saildrone.com).

Chart 18007

LNM: 39/23

**NORTHERN CALIFORNIA-OFFSHORE-COMMERCIAL SALMON FISHERIES**

NMFS has taken inseason action in the recreational salmon fishery south of Cape Falcon.

Effective Tuesday, September 19, 2023, for the recreational salmon fishery from Cape Falcon to Humbug Mountain, 2,000 Coho Salmon are transferred on an impact neutral basis to the September non-mark selective Coho Salmon fishery. The adjusted quota is 4,200.

Effective Thursday, September 19, 2023, at 12:01 pm, for the recreational salmon fishery from Cape Falcon to Humbug Mountain, the recreational non-mark selective Coho, daily bag limit of two Salmon, no more than one Chinook.

Charts: 18600 18620 18640

LNM: 38/23

**NORTHERN CALIFORNIA-OLD RIVER-HAZARD TO NAVIGATION**

The Coast Guard has received a report of downed powerlines in Old River from Mandeville Island to Webb Tract. The downed powerlines have been cut by PG&E and remain laying on the bottom of Old River. Mariners are recommended to avoid anchoring in the area and transit the area with caution. For details or comments contact Coast Guard Sector San Francisco Waterways at 510-612-9729.

Chart 18661

LNM: 01/23

**NORTHERN CALIFORNIA-PACIFICA-BUOY DEPLOYMENT**

Environmental Science Associates has deployed a private aid approximately 0.85 miles offshore of the Pacifica Municipal Pier at 37-37-5N 122-30-37W for the collection of wave and water level information from 7 September, 2023 to 8 August, 2024. A 23' North River dory boat will be monitoring VHF-FM Chan. 16. For more information or comments contact, Damien Kunz at 805-252-9895.

Chart 18680

LNM: 37/23

**NORTHERN CALIFORNIA-PITTSBURG MARINA-DREDGING OPERATIONS**

The Dutra Group will be conducting dredging operations at the Pittsburg Marina from 18 September, 2023 until 30 November, 2023 from 6:00am to 9:00pm Monday through Saturday. Tow tug SARAH REED, tender tug SEA W and 3 split hull scows will be monitoring VHF-FM Chan. 13, 14, 80, 81 and 82. Mariners are requested to transit the area with caution. For more details or comments contact Dennis Salyers at 515-497-5289.

Chart 18656

LNM: 37/23

**NORTHERN CALIFORNIA-PORT OF STOCKTON-MARINE CONSTRUCTION**

Shimmick Construction will be conducting marine construction of the cellular floodwall between the Smith Canal and the Stockton Deep-Water Shipping Channel of the San Joaquin River in the vicinity of the Port of Stockton until 30 November, 2023. Operations will include dredging, pile driving, and backfilling operations. Nine (9) vessels will be involved during the construction window consisting of 1 derrick barge RINGER #2, 1 Flexifloat crane barge (G7718), 194 Tug, barge CMC 35, barge ST. NICHOLAS, and 4 skiff boats for personnel. All vessels will be monitoring VHF-FM Chan. 14. Mariners are requested to transit the area with caution. For more details or comments contact Grant Rose at 559-706-8159.

Chart 18663

**NORTHERN CALIFORNIA-PORT OF STOCKTON-MARINE CONSTRUCTION**

LNM: 36/23

**NORTHERN CALIFORNIA-RICHARDSON BAY-HAZARD TO NAVIGATION**

Fixed private aids to navigation located in the Strawberry Channel are below water line during high tides. Aids to include Richardson Bay Strawberry Point Daybeacon 4, 5, 10, 12, 14, and 16. Mariners are requested to transit the area with caution. For more comments or information contact USCG District Eleven Private Aids to Navigation Manager, Mike Salsman at 571-607-9967.

Chart 18653

LNM: 36/23

**NORTHERN CALIFORNIA-RICHMOND-DREDGING**

The Dutra Group will be conducting dredging operations at Richmond Inner Harbor Channels at position 37-54-13N 122-21-45W from 1 July, 2023 until 30 November, 2023. DB 24, DB BEAVER, disposal tugs HEIDI L BRUSCO, ARTHUR BRUSCO, tender tug BECKY T, PHYLLIS T along with four split hull scows will conduct operations. All vessels will be monitoring VHF-FM Chan. 13, 14, and 80. All dredged material will be disposed of at SF-Deep Ocean Disposal Site or Montezuma Wetlands Restoration Project. Mariners are requested to transit the area with caution. For more details or comments contact Dennis Salyers at 415-497-5289.

Chart 18680

LNM: 26/23

**NORTHERN CALIFORNIA-RICHMOND-DREDGING**

The Dutra Group will be conducting dredging operations at the Chevron Long Wharf Berths 1, 2, 3, 4, 5, 7, A and Barge way (B-1 and B-2) at 37-55-19N 122-24-40W from 10 August, 2023 until 30 December, 2023. DB 24, DB BEAVER, tow tugs HEIDI L., BECKY T, and PHYLLIS T. All vessels will be monitoring VHF-FM Chan. 13, 14, and 80A. Mariners are requested to transit the area with caution. For more details or comments contact Dennis Salyers at 415-497-5289.

Chart 18653

LNM: 30/23

**NORTHERN CALIFORNIA-SACRAMENTO RIVER-BARGE OPERATIONS**

Longitude 123, Inc. is conducting underwater operations, including commercial diving, in the Sacramento River near Meridian, California from 1-30 September, near position 39-8-50.36N 121-55-2.99W. A derrick barge with a crane will be moored using spuds and two backup anchors. If divers are in the water, Code Alpha and Diver Down flags will be displayed on the barge. All project vessels will monitor VHF-FM CHAN. 16. All mariners are requested to transit the area with caution and all vessels approaching the moored work vessels must receive radio permission from the diving supervisor on the derrick barge before passing within 500 feet of the barge. For questions or comments contact Scot Anderson at 805-796-1235.

Chart 18007

LNM: 37/23

**NORTHERN CALIFORNIA-SACRAMENTO RIVER-MARINE OPERATIONS**

The Dutra Group will be conducting marine operations along the north side of the Sacramento River at various sites on Grand Island and transiting from the San Rafael Rock Quarry from 15 September, 2023 until 15 October, 2023 during daylight hours but outside of the construction area may continue at all areas. The crane barge will be spudded in with flashers on all corners along with all other marine equipment. The crane Barge (50'x 150') equipped with a 390 long reach excavator along with a tugboat will be monitoring VHF-FM Chan. 9, 16 & 68A. Mariners are requested to transit the area with caution. For more details or comments contact Lucas Walker at 707-378-3822.

Chart 18662

LNM: 37/23

**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'.

LNM: 22/16

**NORTHERN CALIFORNIA-SACRAMENTO RIVER-SAN JOAQUIN RIVER-GEOTECHNICAL DRILL TESTING**

Gregg Drilling and Testing will be conducting Overwater Geotechnical Investigations on the Sacramento River at 38-23-43N 121-30-44W, the San Joaquin River to Mokelumne River between 38-12-48N 121-29-43W and 37-54-20N 121-29-57W. R/V QUIN DELTA will be conducting the operations and monitoring VHF-FM Chan. 13, 14 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Captain Tim O'Donnell at 949-254-5190 or at BEARatSEA@gmail.com.

Charts: 18010 18661 18680

LNM: 36/22

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY- CABLE LAYING OPERATIONS**

A-2-Sea Solutions Limited will be conducting cable laying operations from 9 October, 2023 to 30 November, 2023 between Brisbane and San

Leandro in the positions:

37-41-28N 122-23-51W

37-41-35N 122-10-28W

37-37-29N 122-08-50W

37-36-57N 122-21-03W

The workboats barge DB CALIFORNIA, pre-lay grapnel run THEORY, burial support vessel SV RETRIEVER, T/B BETTY L, dive support vessel THEORY, will be operating and laying cables. The DB CALIFORNIA will be secured by a 4-point anchor system, with anchor wires deployed up to 300m from the barge in all directions, anchors will be marked by yellow buoys and a white flashing light. All vessels will be monitoring VHF-FM Chan. 14 & 16. Mariners are requested to transit the area with caution. For more details or comments contact Christopher Briggs at 794-830-0909.

Chart 18680

LNM: 39/23

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

SAN MATEO-HAYWARD BRIDGE-The painting of the steel towers continues. Work is being conducted Monday through Friday, 7am to 12am until June 2024. Temporary worker platforms will be installed around the base of piers 2 to 11 and 28-37, reducing horizontal clearance in each of those spans by 6 feet. Temporary underdeck work platforms will be installed in spans 12-18 and 21-27, reducing the vertical clearance by three feet. Tarpaulins will be used as containment around all pier columns. An Andersen under-bridge below-deck worker access vehicle will be used during the installation of the temporary containment and temporary platforms. At no time will in-water work be conducted in the main navigation span between piers 19-20, and mariners should this span at all times during this project. For conditions at the bridge, mariners can contact the contractor at 407-489-5386, 303-579-1383, or 910-279-3365. For further information contact the Coast Guard Bridge Office at 510-437-3515.

LNM: 46/22

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

RICHMOND-SAN RAFAEL BRIDGE-Concrete/steel repairs and cleaning of the bridge continues. Work is being conducted Monday through Friday, 0500 to 1700, until 30 November, 2023. Temporary underdeck platforms have been installed from the western shore to pier 33 and between piers 43-46 reducing vertical clearance in each span by three feet. The upstream and downstream lower edge of each temporary platform is lighted at night with steady burning red lights (see R-SR\_Bridge\_Temp\_Platform\_Lighting.pdf at the end of this notice.) Two 160' X 50' barges and one 110' X 32' barge are being used to assist in the installation of the platforms and for the blasting and painting. One barge has been secured to pier 8 and will be left on-scene, overnight, unmanned. The outboard corners of the barge at pier 8 is lighted at night with steady red lights. Barge "37" and barge "32" can be contacted on VHF-FM Ch. 16, 13 and 14. At no time will the work impede the east or west navigation spans or their auxiliary spans. For conditions at the bridge, mariners can contact the contractor at 860-904-8787 or 443-847-6286. For further information concerning this project contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18653

LNM: 21/23

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

SAN MATEO-HAYWARD BRIDGE-Work continues on the causeway portion of the bridge, east of pier 38, 0700 to 1530, Monday through Friday, until 28 Dec, 2023. 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. 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 510-437-3515.

LNM: 20/22

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

GOLDEN GATE BRIDGE-Four 54' temporary under deck platforms; two, 75' and 425' north of the south tower, and two, 275' and 2,100' south of the north tower have been installed at the bridge. Temporary platforms reduce vertical clearance at the bridge by no more than 14'. 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\_Bridge\_25May23.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: 22/23

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

WESTERN SPAN SAN FRANCISCO-OAKLAND BAY BRIDGE- Caltrans' contractor, Dutra, will continue work to stabilize pier protection at piers B, C, D, and E on the western span of the San Francisco/Oakland Bay Bridge. Work will be conducted 7-days a week, 6 am to 4:30 pm, 2 October, through 29 December, 2023. The 150' X 54' Crane Barge Kelso will be anchored at various locations during the work and will be monitoring VHF-FM Channels 13, 14, and 16. Barges, anchors and anchor lines will not impede the D-E shipping channel during the work. The barges will remain on-scene, unmanned, during non-working hours. See (SFOBBTemporaryBargeLocations.pdf in the enclosure section) for typical barge locations and limits of anchor lines. During the workday, the barge can be moved for the safety of navigation with two hours advanced notice. After working hours, the barge can be moved with six hours advanced notice. For information at the work site contact 510-867-4545; 510-385-6756 or 415-680-0788. For further information, contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18650

LNM: 39/23

**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 Miranda Brumbaugh at 510-437-2978 or Miranda.E.Brumbaugh@uscg.mil.

Chart 18649

LNM: 23/15

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

USGS Pacific Coastal and Marine Geology Science Center (PCMGC) is conducting geophysical surveys in the vicinity of South San Francisco Bay from 25 October, 2023 until 26 October, 2023. Operations will be bounded by the following coordinates:

37-36-18N 122-10-48W

37-36-17N 122-09-40W

37-34-43N 122-10-40W

37-34-44N 122-10-07W

A bathymetric survey utilizing a pole mounted SEASWATH eco sounder aboard S/V PARKE SNAVELY a 36 ft. aluminum catamaran. The pole-mounted instrument is positioned just below the vessel's hull and will be surveying in the shallows in approximately 1.5m- 3m of water depth. Mariners are requested to transit the area with caution. For more details or comments contact Tim Elfers at 831-460-7479.

Charts: 18640 18649

LNM: 33/23

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-METOROLOGICAL MONITORING PLATFORM DEPLOYMENT**

U.S. Geological Survey has deployed 7 shallow water platforms south of the San Mateo Bridge in the following positions:

37-36-23N 122-10-51W

37-34-37N 122-10-18W

37-35-20N 122-10-50W

37-35-21N 122-10-50W

37-35-23N 122-10-27W

37-35-26N 122-09-39W

37-35-30N 122-08-59W

These stations will remain until February 2024 and have a white flashing light. Mariners are requested to transit the area with caution. For further details or comments contact Tim Elfers at 831-460-7479.

Chart 18650

LNM: 33/23

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-SURVEY OPERATIONS**

#### **NORTHERN CALIFORNIA-SAN FRANCISCO BAY-SURVEY OPERATIONS**

SAILDRONE, INC. is conducting oceanographic survey operations and will operate Unmanned Surface Vehicles called SAILDRONE Explorers and SAILDRONE Voyagers until 30 September, 2023. The operations will be conducted 0.8 nm South of General Anchorage 9 in San Francisco Bay and bounded by the following coordinates:

Area 1:

37-44.41N 122-18.26W

37-44.01N 122-17.24W

37-43.23N 122-18.10W

37-44.09N 122-19.03W

Area 2:

37-42.16N 122-18.28W

37-42.43N 122-17.09W

37-41.31N 123-16.26W

37-41.02N 123-17.46W

The SAILDRONE Explorer is 23 feet long, 16 feet tall, painted orange with a white all-around light on top and marked SAILDRONE. The SAILDRONE Voyager is 33 feet long, 21 feet tall and painted orange or gray with a tri-color light on top. SAILDRONES will broadcast AIS and travel at a speed up to 5 knots. Mariners are requested to transit the area with caution. For more details or comments contact SAILDRONE mission control at missioncontrol@saildrone.com or 510-722-6070.

Chart 18649

LNM: 10/23

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

The City of Stockton will be conducting construction operations on the San Joaquin River to rehabilitate an existing outfall pipe from 5 July, 2023 through 31 October, 2023 at 37-56-06N 121-19-46W. Activities will include vegetation removal, temporary coffer dam installation and removal, excavation and removal of existing structures, installation of a new 60-inch outfall pipe, and placement of rip rap. Mariners are requested to transit the area with caution. For more details or comments contact Joseph Anderson at 916-899-1833.

Chart 18661

LNM: 25/23

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

BAY FARM ISLAND HIGHWAY AND PEDESTRIAN BRIDGES-The pier protection system at the bridges have deteriorated and may not offer adequate protection for the bridges as well as vessels transiting the bridge. Mariners are urged to transit both bridges 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: 31/22

#### **NORTHERN CALIFORNIA-SAN LORENZO RIVER-BRIDGE**

LAUREL STREET BRIDGE- Work will resume for the installation of a new water conveyance pipeline. To conduct the work, a bucket truck on the bridge deck will be utilized to suspend a mobile platform from the side of the bridge, vertical clearance will be reduced by 6-feet. Work will take place Monday through Friday, 7:00am to 4:30pm, from 01 September, 2023 through 30 November, 2023. There will be no in-water work or equipment used during this project. Mariners are urged to use caution while transiting the bridge. For further information contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18685

LNM: 35/23

#### **NORTHERN CALIFORNIA-SAN PABLO BAY-BUOY DEPLOYMENT**

US Army Corp of Engineers have deployed 3 meteorological recording stations in the San Pablo Bay area in the following coordinates:

38-04-32N 122-20-41W

38-01-51N 122-18-43W

37-52-39N 122-20-22W

For more details or comments contact Justin Yee at 415-503-6788.

Chart 18654

LNM: 31/23

#### **NORTHERN CALIFORNIA-SAN PABLO BAY-DREDGE OPERATIONS**

Dixon Marine Services INC. will conduct dredge operations in Bel Marin Key North Lagoon from 10 August, 2023 until 10 October, 2023 at 38-04-55N 122-30-49W. The Hydraulic Dredge JOHN DEVIN will be monitoring VHF-FM Chan. 68. Mariners are requested to transit the area with caution. For more details or comments contact Nathan Mason at 831-566-2252 or Mark Sutton at 415-669-7369.

Chart 18654

LNM: 34/23

#### **NORTHERN CALIFORNIA-SAN PABLO BAY-RODEO-DREDGE OPERATIONS**

The Dutra Group will be conducting dredging operations of the Phillips 66 Marine Terminal in Rodeo, CA at 38-03-22N 122-15-49W from 15 August, 2023 until 30 November, 2023. DB 24, DB BEAVER, Tug HEIDI L BRUSCO or LASSEN, tender tug BECKY T along with PHYLLIS T will be monitoring VHF-FM Chan. 13, 14, and 80. All dredged materials will be disposed of at Montezuma Wetland (MWRP) and SF-9 disposal sites. Mariners are requested to transit the area with caution. For more details or comments contact Dennis Salyers at 415-497-5289.

Chart 18655

LNM: 33/23

#### **NORTHERN CALIFORNIA-SAN PABLO BAY-TORMEY-MARINE CONSTRUCTION**

The Dutra Group will be conducting marine construction to the Phillips 66 San Francisco Refinery located West of the Carquinez Bridge from 03 January, 2023 until 31 December, 2023, during daylight hours. Construction will be bounded by the following coordinates:

38-03-22N 122-15-52W

38-03-25N 122-15-33W

38-03-06N 122-15-34W

38-03-06N 122-15-39W

Crane barge 1, along with a work boat, will be conducting operations and monitoring VHF-FM Chan. 9, 16, and 77. Mariners are requested to transit the area with caution. For more details or comments contact Nicholas Dino at 707-389-0505.

Charts: 18654 18655

LNM: 51/22



**NORTHERN CALIFORNIA-SAN RAFAEL CANAL-DREDGING OPERATIONS**

Salt River Construction Corporation is conducting dredging operations in the San Rafael Canal at the Marina Vista Improvement Club at position 37-58-17N 122-29-43W from 19 June, 2023 through 30 November, 2023. The self-contained Dredge/dump barges No. 1 and No. 2 and the TB P CAY and TB SPRINGER will be monitoring VHF channels 13, 14, and 78. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

Chart 18653

LNM: 25/23

**NORTHERN CALIFORNIA-SAN RAFAEL CREEK- DREDGING OPERATIONS**

Salt River Construction Corporation will be conducting dredging operations in the San Rafael Creek at the Newport Boating Association Homeowners at 37-58-08N 122-30-00W from 29 August, 2023 until 30 November, 2023. The self-contained dredge/dump barges No. 1 and No. 2, Tugboat "P CAY" and the Tugboat "SPRINGER" will be monitoring VHF-FM CHAN. 13, 14, & 78. There will be no temporary mooring piles or anchor balls placed by Salt River Construction outside the channel entrance of the Newport Boating Association Homeowners or the San Rafael Creek. Mariners are requested to transit the area with caution. For more details or information, contact Rick Moseley at 415-435-1024.

Chart 18653

LNM: 34/23

**NORTHERN CALIFORNIA-SAN RAFAEL CREEK- DREDGING OPERATIONS**

Salt River Construction Corporation will be conducting dredging operations in the San Rafael Creek at the Lowrie Yacht Harbor at 37-58-00N 122-30-27W from 28 August, 2023 until 30 November, 2023. The self-contained dredge/dump barges No. 1 and No. 2, Tugboat "P CAY" and the Tugboat "SPRINGER" will be monitoring VHF-FM CHAN. 13, 14, & 78. There will be no temporary mooring piles or anchor balls placed by Salt River Construction outside the channel entrance of the Lowrie Yacht Harbor or the San Rafael Creek. Mariners are requested to transit the area with caution. For more details or information, contact Rick Moseley at 415-435-1024.

Chart 18653

LNM: 33/23

**NORTHERN CALIFORNIA-STOCKTON DEEP WATER SHIP CHANNEL-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 15 October, 2023. Dredge 8 will be dredging in the navigation channel in the vicinity of the Port of Stockton East and West Complexes, starting at River Mile 40.6 at 37-57-09N 121-19-18W to River Mile 32.5 at 37-59-58N 121-27-01W. A submerged dredge pipe will come ashore at 37-56-47N 121-20-29W, 37-58-21N 121-22-33W, and 37-59-40N 121-25-03W. The dredge crew will be monitoring VHF-FM Chan. 13, 16 and 79. Mariners are requested to transit the area with caution. For more details or comments contact Rod Oliva at 503-349-7436.

Chart 18663

LNM: 37/23

**NORTHERN CALIFORNIA-STOCKTON DEEP WATER SHIP CHANNEL-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 from 25 September, 2023 to 25 October, 2023. Dredge 8 will be dredging in the navigation channel in the vicinity of the West Island, starting at 38-01-10N 121-47-52W and finishing up stream at 38-06-09N 121-36-43W near Twitchell Island. A submerged dredge pipe will come ashore at 38-01-00N 121-47-48W and 38-04-16N 121-40-31W. The dredge crew will be monitoring VHF-FM Chan. 13, 16 and 79. Mariners are requested to transit the area with caution. For more details or comments contact Rod Oliva at 503-349-7436.

Chart 18663

LNM: 39/23

**NORTHERN CALIFORNIA-STOCKTON-DREDGING**

The Dutra Group will be conducting dredging operations at the Port of Stockton at position 37-57-05N 121-19-55W from 7 July, 2023 until 30 September, 2023. DB 24, tow tugs HEIDI BRUSCO, BECKY T, and PHYLLIS T. All vessels will be monitoring VHF-FM Chan. 13, 14, and 80A. All dredged material will be disposed of by off loader at Roberts Island at 37-58-26N 121-22-49W. Mariners are requested to transit the area with caution. For more details or comments contact Chris Milam at 415-218-6739.

Chart 18663

LNM: 27/23

**NORTHERN CALIFORNIA-STOCKTON-SHOALING**

Shoaling has been reported in the Stockton Deep Water Channel in the vicinity of Stockton Channel LT 48. Due to the depth restrictions San Francisco Bar Pilots have reduced the controlling depth to 28.1'. A Virtual AIS (V-AIS) Aid to Navigation has been placed in position 37°57.1N 121°20.2W to help with safe navigation in the area. For more details or comments contact USCG Sector San Francisco Waterways at 510-612-9729 or SFWaterways@uscg.mil.

Chart 18663

LNM: 25/23

**NORTHERN CALIFORNIA-SUISUN BAY-DREDGE OPERATIONS**

Camenzind Dredging Inc. will conduct dredge operations in Suisun Bay Channel, Bulls Head Channel, Roe Island Channel and New York Slough starting 30 August, 2023 until 30 November, 2023. DB 24, DB BEAVER, tug HEIDI BRUSCO, tug BECKY T and/or PHYLLIS T will be monitoring VHF-FM Chan. 13, 14, 80 and 81A. All dredged materials will be disposed of at the Montezuma Wetland (MWRP) and SF-16. Mariners are requested to transit the area with caution. For more details or comments contact Chris Milam at 415-218-6739.

Charts: 18656 18658

LNM: 35/23

**NORTHERN CALIFORNIA-SUISUN BAY-DREDGING OPERATIONS**

Pacific Dredge & Construction will be conducting dredging operations in the Suisun Bay Pier from 25 September, 2023 until 30 November, 2023 at 38-04-39N 122-05-52W. The D/B PDC (180' X 50'), H/B PACIFIC PATRIOT (64' X 26'), Scow "PDC 2001" (200' X 42') and Scow "PDC 2023" (200' X 42') will be in the area and monitoring VHF-FM Chan. 6 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Gary Foster at 805-331-2995.

Chart 18656

LNM: 37/23

**NORTHERN CALIFORNIA-SUISUN SLOUGH-MARINE CONSTRUCTION**

Sweetwater Construction, Inc. will be conducting repairs and maintenance on the Department of Water resources pier in Suisun Slough. A spud barge and crane will be anchored at 38-10-49N 122-02-48W from 25 September, 2023 to 13 October, 2023 and will be monitoring VHF-Chan. 14&16. Mariners are requested to transit the area with caution. For further details or comments contact Richard Williams at 707-554-8824.

Chart 18656

LNM: 38/23

**NORTHERN CALIFORNIA-VAN SICKLE ISLAND-MARINE OPERATIONS**

The Dutra Group will be conducting marine operations from 18 September, 2023 to 30 November, 2023 during daylight hours but outside of the construction area may continue at all areas. The crane barge will be spudded in with flashers on all corners along with all other marine equipment. The Crane Barge Kelso (50'x150') equipped with an 895 Excavator along with a tugboat will be monitoring VHF-FM Chan.13, 146 & 67. Mariners are requested to transit the area with caution. For more details or comments contact Lucas Walker at 707-378-3822.

Chart 18656

LNM: 39/23

**NORTHERN CALIFORNIA-VENICE ISLAND-CONSTRUCTION OPERATIONS**

The Dutra Group will be conducting construction at Venice Island from 21 March, 2023 until 31 October, 2023 during daylight hours to complete levee rehabilitation. Two crane barges approximately 40'x120' will be anchored along North Mokelumne River between Tyler Island and Staten Island. TM 20 and two 40'x80' flexi barges secured together along with a work boat and two tugboats will be conducting operations. All vessels will be monitoring VHF-FM Chan. 9, 16, and 68A. Mariners are requested to transit the area with caution. For more details or comments contact Scott Brooks at 707-333-5209.

Charts: 18661 18662

LNM: 12/23

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

University of California Santa Barbara has deployed research Wave Buoy Station CDIP 266 in position 36-50-41N 121-49-28W with characteristics of a flashing yellow light every 5 seconds. Mariners are requested to transit the area with caution. For more details or comments contact University of California Santa Barbara at 858-534-3032 or admin@cdip.ucsd.edu.

Chart 18685

LNM: 17/23

**NORTHERN CALIFORNIA-MONTEREY POINT-BUOY DEPLOYMENT**

US Naval Postgraduate School will be deploying 4 white lit research buoys with characteristics of a flashing yellow light every 2.5 seconds on 19 June, 2023 until 08 December, 2023 in the following positions:

36-36-28N 121-59-04W

36-36-22N 121-58-25W

36-36-21N 121-58-05W

36-37-26N 121-54-21W

R/V SANDCRAB will be conducting the operations and monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Dr. Jamie MacMahan at 381-588-8727 or jhmacmah@nps.edu.

Chart 18685

LNM: 24/23

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

The City of San Diego Marine Biology Lab is conducting year-round ocean monitoring sampling in the vicinity of the South Bay Ocean Outfall and Point Loma Ocean Outfall. The Ocean Monitoring Program conducts trawl sampling, benthic sampling with a double Van Veen sediment grab, vertical CTD casts and horizontal tows with an undulating underwater vehicle, ROV surveys and multiple moorings are deployed in the region below. Ocean sampling will be conducted in an area bound by the following coordinates:

32-31-54N 117-11-11W

32-32-10N 117-11-57W

32-32-03N 117-12-06W

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

32-40-10N 117-19-22W

32-40-04N 117-19-34W

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

32-39-56N 117-19-39W

32-40-10N 117-16-55W

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: 43/21

**SOUTHERN CALIFORNIA – BALBOA MARINA-MARINE CONSTRUCTION**

Power Engineering Construction Co. will be performing dredging and pile driving operations from 12 June, 2023 through 15 December, 2023 in the vicinity of Balboa Marina, Newport Beach. Work is being conducted Monday through Friday 7:30am to 6:00pm at 33-36-57N 117-54-19W. Operations will be conducted with a long-reach excavator and an 80'x80'x7' derrick barge. The excavator will be staged on land and extend 20' into the bay. The barge will be spudded down and will not exceed the project limits, about 350' into the bay. All vessels and equipment on site will be monitoring VHF-FM CHAN. 67/16. Mariners are advised to use caution when transiting the area. For further comments or details contact Matt Dill at (510) 610-4633.

LNM: 22/23

**SOUTHERN CALIFORNIA – SANTA BARBARA – BUOY DEPLOYMENT**

Castagnola Tug Services will conduct marine operations to install two buoys (private aids) that will serve to mark the location of the Charles E. Meyers Desalination Plant intake pipeline and intake structures in Santa Barbara, CA from 18-29 September, 2023 during daylight hours. The buoys are white with orange stripes with white flashing light 0.5 seconds every 4 seconds at 34-24-26N 119-40-47W and a yellow with orange diamond and cross top is yellow flashing 1 second every 7 seconds at 34-24-36N 119-40-50N. DANNY C will be used during operations and will monitor VHF-FM Channel 16. Mariners are requested to transit the area with caution. For more details or comments please contact Elijah Davidian at 415-262-2349.

Chart 18725

LNM: 36/23

**SOUTHERN CALIFORNIA- ANAHEIM BAY- TEMPORARY BUOYS**

The U.S. Coast Guard has established temporary Buoys in Anaheim Bay at the following locations.

Temp Buoy #9- Fl G 4s

Position: 33-43-927N 118-05-981W

Temp Buoy #10 Q R

Position: 33-43-963N 118-05-818

**SOUTHERN CALIFORNIA- ANAHEIM BAY- TEMPORARY BUOYS**

Temp Buoy #11 FL G 4s  
Position: 33-44-077N 118-05-862W  
Temp Buoy #13 FL G 4s  
Position: 33-44-211N 118-05-799W

For more details or comments contact LT Miranda Brumbaugh at 510-437-2978 or Miranda.E.Brumbaugh@uscg.mil.

Charts: 18746 18749

LNM: 29/22

**SOUTHERN CALIFORNIA- DANA POINT- UNDERWATER OPERATIONS**

Orca Maritime will be conducting underwater vehicle operations from 25-29 September, 2023 offshore of Aliso Creek and Capistrano Beach, Dana Point, California. The R/V BENTHIC CAT will be on scene monitoring VHF-FM Chan.16. Mariners are requested to transit the area with caution. For more details or comments contact Dave Carlisle at 310-961-6577.

Chart 18746

LNM: 38/23

**SOUTHERN CALIFORNIA- SAN PEDRO BAY-GEOTECHNICAL INVESTIGATION**

Belmont Pier Geotechnical Surveys Tetra Tech, Inc. will be conducting geotechnical investigations on the Belmont Pier from 2-13 October, 2023 in the San Pedro Bay area 33-45-28N 118-08-54W. A small non-metallic vessel with a 2.5 ft. draft towing a marine magnetometer will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Rafael Holcomb at 626-255-1924.

Chart 18749

LNM: 39/23

**SOUTHERN CALIFORNIA-CATALINA ISLAND-BUOY REMOVAL**

The Marine BioEnergy Kelp Research Buoy, in position 33-28-07N 118-29-25W, in the vicinity of Catalina Island has been temporarily removed for maintenance. Mariners are requested to transit the area with caution. For more details or comments, contact Mike Salsman at 510-437-2984.

Chart 18757

LNM: 20/23

**SOUTHERN CALIFORNIA-CHANNEL ISLANDS HARBOR-BRIDGES**

CHANNEL ISLANDS BLVD EAST (MANDALAY BAY) & CHANNEL ISLANDS BLVD WEST (EDISON CANAL) BRIDGES-Rehabilitation of the bridges will take place 7 am to 3:30 pm, Monday through Friday, 15 February, 2023 through 31 October, 2023. No in-water work will be conducted at the east bridge. At the west bridge two 5' X 20' X 10' flexi-floats will be employed and will be secured with two 35' spuds. The flexi-floats will reduce horizontal clearance in the channel by no more than 10 feet. 8' X 11'cofferdams will encase the bridge columns at each bent. Only one channel of the west bridge will be impacted at any one time. The ends of the cofferdams and each corner of each flexi-floats will be lighted at night with steady burning red lights (See Channel\_Islands\_Bridge\_Rehab.pdf at the end of this article.) For the safety of navigation, the flexi-floats can be moved with a 30-minute advance notice to the contractor. Mariners are requested to approach the west bridge with caution and avoid the span of the bridge where work is being conducted. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18725

LNM: 06/23

**SOUTHERN CALIFORNIA-CHANNEL ISLANDS-UNDERWATER OPERATIONS**

Terrasond Limited will be conducting underwater ROV (Remotely Operated Vehicle) operations from 14 September, 2023 until 28 September, 2023 in the vicinity of Dockweiler Beach, Los Angeles and out through the Channel Islands to the edge of the continental shelf about 100NM offshore. The M/V SWIFT RESPONDER will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Bob Silvers at bob.silvers@terrasond.com.

Charts: 18720 18740

LNM: 35/23

**SOUTHERN CALIFORNIA-EL SEGUNDO-BUOY REPLACEMENT**

Chevron has replaced a weather buoy in position 33-54-30N 118-27-09W with a similar yellow buoy with characteristics of a flashing yellow light every 3 seconds. Mariners are requested to transit the area with caution. For more details or comments contact Chevron at 310-615-5735 or cscsmtsmm@chevron.com.

Chart 18744

LNM: 17/23

**SOUTHERN CALIFORNIA-GOLETA-PT. MUGU-GEOPHYSICAL SURVEY**

USGS Pacific Coastal and Marine Geology Science Center (PCMSC) is conducting a 5-day geophysical survey from Goleta to PT. Mugu starting 25-29 September, 2023 in the following positions:

Overall Area:

- 34-04-53N 119-03-51W
- 34-04-34-04-53N 119-55-15W
- 34-25-44N 119-03-51W
- 34-25-44N 119-55-15W

Goleta:

- 34-23-47N 119-54-47W
- 34-23-47N 119-48-53W
- 34-25-22N 119-54-47W
- 34-25-22N 119-48-53W

Goleta-area BEACON:

- 34-23-23N 119-55-15W
- 34-23-23N 119-41-23W
- 34-25-44N 119-55-15W
- 34-25-44N 119-41-23W

Carpinteria:

- 34-22-20N 119-34-14W
- 34-22-20N 119-28-46W
- 34-24-51N 119-34-14W
- 34-24-51N 119-28-46W

Carpinteria-area BEACON:

- 34-22-58N 119-40-45W

**SOUTHERN CALIFORNIA-GOLETA-PT. MUGU-GEOPHYSICAL SURVEY**

34-22-58N 119-31-31W  
34-25-11N 119-40-45W  
34-25-11N 119-31-31W  
Rincon:  
34-17-08N 119-28-38W  
34-17-08N 119-20-18W  
34-22-34N 119-28-38W  
34-22-34N 119-20-18W  
Rincon-area BEACON  
34-17-39N 119-27-49W  
34-17-39N 119-21-03W  
34-31-43N 119-27-49W  
34-31-43N 119-21-03W  
Ventura:  
34-11-40N 119-20-11W  
34-11-40N 119-14-53W  
34-17-17N 119-20-11W  
34-17-17N 119-14-53W  
Ventura-area BEACON  
34-10-26N 119-20-14W  
34-10-26N 119-14-14W  
34-17-12N 119-20-14W  
34-17-12N 119-14-14W  
Mugu:  
34-05-08N 119-06-28W  
34-05-08N 119-05-00W  
34-06-02N 119-06-28W  
34-06-02N 119-05-00W  
Mugu-area BEACON:  
34-04-53N 119-13-55W  
34-04-53N 119-03-51W  
34-09-07N 119-13-55W  
34-09-07N 119-03-51W

Bathymetric surveys will be utilizing two, 200 kHz single beam echo sounders, each mounted on a personal watercraft (PWC). The PWC's will conduct cross-shire transects from within the surf zone out to 1200m from shore to document changes in seafloor morphology. Survey speeds are minimal at 5 kts and vessel operators navigate off pre-determined survey lines or terminate lines prematurely to avoid marine life as well as recreational activities such as swimming, surfing, fishing and boating. High-speed, quick turns may be observed and are necessary for the PWC operator to face on-coming waves to safely exit the surf-zone. To accomplish the large swath of survey lines within a few hours of the high tide, operators swiftly and safely transit to the next survey line once outside the surf-zone. Mariners are requested to transit the area with caution. For more details or comments contact Tim Elfers at 831-460-7479.

Chart 18725

LNM: 39/23

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

Dutra Construction Company is conducting marine construction in the Port of Long Beach, CA at the Carnival Cruise Lines Wharf H, 7 days a week until November, 2023. The crane barge MORTY along with several smaller boats and a material barge will be monitoring VHF-FM CHAN. 13, 16 & 82. Mariners are requested to transit the area with caution. For more details or comments contact Andrew Hunt at 415-837-6640.

LNM: 32/23

**SOUTHERN CALIFORNIA-LOS ANGELES/LONG BEACH HARBOR-BRIDGE**

PIER 400 BRIDGE MODIFICATION- Construction is taking place Monday through Friday, 6am to 4pm, until 30 Sep, 2023. All in-water equipment and temporary structures will occur within the two existing bridges, and will not impact marine traffic in the area. For conditions at the work site, contact 714-536-9553 or 510-846-0325. For further information contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18749

LNM: 26/22

**SOUTHERN CALIFORNIA-LOS ANGELES/LONG BEACH HARBOR-BRIDGE**

VINCENT THOMAS BRIDGE-A 180 ft temporary maintenance platform continues to move west from the east tower. The platform reduces vertical clearance of the bridge by 5.5 ft. It is anticipated the temporary platform will arrive at the east edge of the shipping channel in summer of 2024. The upstream and downstream corners and every 50' along the upstream and downstream side of the platform is 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.

Chart 18749

LNM: 30/22

**SOUTHERN CALIFORNIA-NATIONAL CITY-MARINE CONSTRUCTION**

R. E Staite will be conducting dredging operations and marine construction at the Austal USA facility located in National City, California at 32-39-29N 117-07-07W from 1 April, 2023 until 30 November, 2023. DB Point Loma, DB William F, DB Palomar and RES 180 along with multiple scows a survey boat and various deck barges will conduct operations. All vessels will be monitoring VHF-FM Chan. 16. All dredged material will be disposed of at LA-5 ocean disposal site. An Exclusion Zone (EZ) will be established for purposes of protection from munitions and explosives of concern (MEC) that may be disturbed within the project area. The EZ area will extend into the water in an arc and the size flex within the project area as the project progresses depending on the work activity. Work hours for the project are anticipated to be 24/7 during high production times. The EZ will extend into the water and may impact marine vessel traffic, swimmers and divers. Only authorized personnel will be allowed into the EZ. Mariners are requested to transit the area with caution. For more details or comments contact Erick Myers at 619-233-0178.

Chart 18773

LNM: 35/23

**SOUTHERN CALIFORNIA-OFFSHORE SAN DIEGO-UNMANNED VEHICLE OPERATIONS**

The US Navy is conducting an unmanned vehicle operation from 2-13 October, 2023 spanning from Imperial Beach, California to Mission Beach, San Diego, California.

OP BOX 1:  
32-41-38N 117-31-51W  
32-41-38N 117-28-52W  
32-39-19N 117-28-52W  
32-39-19N 117-31-51W

OP BOX 2:  
32-41-28N 117-23-50W  
32-41-28N 117-20-31W  
34-39-33N 117-20-31W  
32-39-33N 117-31-51W

OP BOX 3:  
32-36-43N 117-16-44W  
32-36-43N 117-15-27W  
32-35-55N 117-15-27W  
32-35-55N 117-16-44W

OP BOX 4:  
32-35-55N 117-16-44W  
32-35-11N 117-16-44W  
32-35-06N 117 15-27W  
32-35-55N 117-15-27W

OP BOX 5:  
32-35-06N 117-16-44W  
32-34-18N 117-16-44W  
32-34-18N 117-15-27W  
32-15-27N 117-15-27W

Vessels M/V SEARK DAUNTLESS (Call sign SA05), M/V DEFIANT (Call sign MS01), M/V ZODIAC (Call sign OTH01) will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Randy Williams at 850-814-1404.

Chart 18765

LNM: 38/23

**SOUTHERN CALIFORNIA-OFFSHORE-HAZARDOUS OPERATIONS**

There will be hazardous operations conducted in the Fleet Training Area Hot (FLETA HOT) until 1 January, 2024. Mariners are requested to transit the area with caution. For more details or comments contact Darrel Rumsey at 619-545-1744

A. HAZARDOUS OPERATIONS REQUEST (FLETA HOT):

(1) IN AREA BOUNDED BY:

32-33-00N 118-25-00W  
32-35-00N 118-16-00W  
32-35-00N 117-4-000W  
31-55-00N 117-40-00W  
31-55-00N 118-25-00W  
32-33-00N 118-25-00W

TO POINT OF ORIGIN.

B. HAZARDOUS OPERATIONS REQUEST (SOAR):

(1) IN AREA BOUNDED BY:

32-52-42N 119-11-58W  
33-08-04N 118-52-05W  
33-08-04N 118-46-02W  
33-03-52N 118-41-48W  
33-02-32N 118-43-33W  
32-58-53N 118-43-31W  
32-47-40N 118-32-21W  
32-36-55N 118-45-00W  
32-36-55N 118-56-57W

TO POINT OF ORIGIN.

C. HAZARDOUS OPS REQUEST (SHOBA WITH BOTH EXTENSIONS):

(1) AREA BOUNDED BY FOLLOWING COORDS:

32-55-00 N 118-25-00 W  
32-55-00 N 118-15-00 W  
32-40-00 N 118-15-00 W  
32-40-00 N 118-35-00 W  
32-45-00 N 118-35-00 W

TO POINT OF ORIGIN.

Charts: 18700 18720 18740

LNM: 19/23

**SOUTHERN CALIFORNIA-OXNARD-DOCK REPLACEMENT**

Anchor QEA is conducting a dock replacement for Anacapa Isle Marina of Docks A through E, & G in Channel Islands Harbor, Oxnard, California at 34-10-22N, 119-13-37W from 1 June, 2023 until 13 March, 2024. Vessels will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Armando Alonso at 805-814-4010.

Chart 18725

LNM: 20/23

**SOUTHERN CALIFORNIA-POINT CONCEPTION-NOAA BUOY DEPLOYMENT**

NOAA's Pacific Marine Environmental Laboratory deployed a buoy 11 nautical miles due west of Point Conception, CA. at 34-27-31N 120-41-10W. The buoy named Harvest 22 has a yellow top with gray sides and a flashing amber light every 4 seconds. Mariners are advised to use due caution when transiting this area. For more details or comments contact Cabot Zucker at 425-477-9554.

**SOUTHERN CALIFORNIA-POINT CONCEPTION-NOAA BUOY DEPLOYMENT**

LNM: 13/22

**SOUTHERN CALIFORNIA-PORT SAN LUIS-MARINE CONSTRUCTION**

Connolly-Pacific will conduct marine construction to the Port San Luis breakwater from 6:30am to 6:30pm from 10 April, 2023 until 31 December, 2023. DB LONG BEACH will use anchors to position itself along the breakwater. These anchor positions will be marked by round white anchor cans and FI W 2s. Tug PATCONA and Tug LARCONA will be assisting DB LONG BEACH. All vessels will be monitoring VHF-FM Chan. 13, 16, and 79a. Mariners are requested to transit the area with caution. For more details or comments contact Tobey Walker at 562-577-0730 or John Riley at 562-577-3602.

Chart 18720

LNM: 15/23

**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-MARINE CONSTRUCTION**

R. E. Staite Engineering Inc. will conduct marine construction at the Continental Maritime of San Diego's Wharves 2 and 7 at 32-41-39N 117-08-58W. Construction will start 15 September, 2023 until 31 December, 2023. RES 150, crew boat JOHN DRAKE, Tug KILLEEN and push boat JENNIE R will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Erick Myers at 619-233-0178.

Chart 18773

LNM: 35/23

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

R.E. Staite Engineering Inc. will be conducting marine construction associated with a quaywall that is located between the Naval Base Point Loam Fluel Pier and Pier 122 in San Diego from 18 September, 2023 until 24 April, 2024 at 32-42-00N 117-14-19W. Vessels JEANIE R, flexi floats and various work boats will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact R.E. Staite Engineering, Inc. at 619-233-0178 or restaite@restaite.net.

Chart 18773

LNM: 37/23

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

R.E. Staite Engineering Inc. will be conducting marine construction at MZB VOR Mission Bay Island in San Diego from 25 September, 2023 until 30 March, 2024 at 32-46-55N 117-13-30W. RES 180 Floating Crane Barge, RES 110 Material Barge, P/B JEANIE R, W/B JOHN DRAKE and skiffs will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact R.E. Staite Engineering, Inc. at 619-233-0178 or restaite@restaite.net.

Chart 18773

LNM: 37/23

**SOUTHERN CALIFORNIA-SAN DIEGO-MARINE EVENT**

The San Diego Yacht Club will be sponsoring the One Design Weekend Monthly Series on various dates throughout CY2023. The event is scheduled for September, 14-15 October, 11-12 November, and 9 December, 2023. The events will involve approximately 30 sailing vessels racing on a course in Coronado Roads, CA. The course will be centered at approximately 32-39-30N 117-11-40W and will extend southwest up to 1.2 nm. Mariners are requested to transit the area with caution. For more details or comments contact Jeff Johnson at 619-933-9922.

Chart 18773

LNM: 03/23

**SOUTHERN CALIFORNIA-SAN DIEGO-MARINE EVENT**

Enviro-Sports Productions, Inc. will be sponsoring the San Diego Sharkfest Swim on 21 October, 2023 from 9:00am to 10:00am in San Diego Bay. The event will involve approximately 300 participants swimming across the Federal Channel from Fifth Avenue Landing in San Diego to Tidelands Park on Coronado Island. A marine event special local regulation zone will be in effect from 9:00 AM to 10:00 AM encompassing all navigable waters around the marine event location. Mariners will be prohibited from transiting through the special local regulation area during this period. For more details or comments, contact David Horning at 415-310-0788.

Chart 18765

LNM: 37/23

**SOUTHERN CALIFORNIA-SAN DIEGO-MARINER OPERATIONS**

Windward Environmental LLC will be conducting collections of geochronological sediment cores for radio dating analysis from 16-17 October, 2023 from 7:00am to 5:00pm near Grape St. Pier and Coronado Island Marriot Resort and Spa in San Diego Bay at positions:

32-41-45N 117-09-52W

32-43-28N 117-10-26W

32-43-28N 117-10-28W

R/V CAYUSE, a 27 foot aluminum landing craft will be and three 6 foot sediment cores will be collected using a vibracore and will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Thai Do at 206-812-5407 or thaid@windwardenv.com.

Chart 18773

LNM: 39/23

**SOUTHERN CALIFORNIA-SAN JOSE CREEK-GOLETA SLOUGH-BRIDGE**

STATE ROUTE 217 HIGHWAY BRIDGE- Caltrans has begun in-water construction for the bridge replacement project through 31 October, 2023. Mariners are requested to transit the area with caution. For more information, contact the Coast Guard Bridge Office at 510-4237-3461.

Chart 18720

LNM: 38/23

**SOUTHERN CALIFORNIA-SAN MATEO PT. -BUOY DEPLOYMENT**

A Waverider buoy has been deployed 5 NM southwest of San Mateo Pt. in position 32-20-11N 117-39-31W. The buoy was deployed on 26 May, 2023. The buoy is operated by Scripps Institute of Oceanography and is 3-foot diameter sphere with an attached telemetry whip antenna and a nighttime yellow color warning flashing light. The light timing sequence is a series of 5 flashes at 1-second intervals with a period of 20 seconds

**SOUTHERN CALIFORNIA-SAN MATEO PT. -BUOY DEPLOYMENT**

between each series. Visual range is one kilometer. The buoy is painted yellow and marked "Wave Buoy" with the phone number 858-534-3032. For further comments or details contact Vicki Kellis at 858-534-3032.

Chart 18774

LNM: 23/23

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

Naval Air Systems Command has deployed an atmospheric sampling buoy 1.5 miles Northeast of San Nicolas Island at 33-18-00N 119-30-55W. The yellow buoy FI Y 3s, is 6 feet above the waterline and 2 feet in diameter. Mariners are requested to transit the area with caution. For more details or comments contact Kyle Edwards at 805-989-0672.

Chart 18720

LNM: 39/22

**SOUTHERN CALIFORNIA-SANTA BARBARA-AQUACULTURE ESTABLISHMENT**

Ocean Rainforest will be establishing an Aquafarm, starting on 30 March, 2023, located 4.3 NM South of Santa Barbara. The site is bound within four yellow boundary marker buoys with a flashing yellow light every 2 seconds (FI Y2s) in the following positions:

34-19-58.53N 119-42-45.72W

34-20-10.12N 119-42-45.72W

34-20-11.23N 119-42-07.24W

34-19-59.64N 119-42-07.92W

In line with the outer boundary buoys are small unlit floats that are marking the anchors associated with the Aquaculture area, the total buoys marking the anchors are 12 on the long axis of each side and 2 between the corner buoys on the short axis. Within the boundary markers will be 188 buoys/floats, see Enclosure AQUACULTURE ESTABLISHMENT.pdf enclosure below. The interior buoys of the aquaculture are in the shape of a rectangle with the outer edge marked with yellow buoys, every other buoy has a flashing yellow light flashing every 2 seconds (FI Y2s). Within the rectangle are 135 small unlit floats marking the cultivation lines. Mariners are advised to remain clear of this area as entanglement with associated equipment may occur. Vessel DANNY C will be conducting the deployment and monitoring VHF-FM Chan. 7 and 16. For more details or comments contact Ocean Rainforest Inc at 805-722-9601 or eliza@oceanrainforest.com.

Charts: 18720 18725

LNM: 11/23

**SOUTHERN CALIFORNIA-SANTA BARBARA-BUOY DELETION**

Two buoys in the Santa Barbara Channel have been moved and renamed. Delete the following aids:

Santa Barbara Marker Lighted Buoy FI(1)W 4s

34-24-24N 119-40-44W

Santa Barbara Intake Lighted Marker Buoy FI(1)W 4s

34-24-25N 119-40-46W

Replaced with:

Santa Barbara Desal Intake Lighted Marker Buoy 1 FI(1)W 4s

34-24-26.34N 119-40-46.98W

Santa Barbara Desal Intake Lighted Marker Buoy 1 FI(1Y) 6s

34-24-36.05N 119-40-50.02W

For further information, mariners can contact the Coast Guard PATON office at 571-607-9967.

Chart 18725

LNM: 34/23

**SOUTHERN CALIFORNIA-VANDENBERG AFB-HAZARDOUS OPERATIONS**

Hazardous operations will be conducted from Vandenberg AFB, CA for Western Range 2334 from 1:00pm on 3 October, 2023 until 6:00pm on 6 October, 2023. Hazardous operation areas are bounded by the following coordinates:

Hazard Area:

34-26-00N 121-44-00W

34-28-00N 122-10-00W

33-51-00N 123-18-00W

32-01-00N 125-34-00W

31-23-00N 125-48-00W

31-04-00N 125-21-00W

31-17-00N 124-25-00W

33-51-00N 121-33-00W

34-26-00N 121-44-00W (CLOSING THE FIRST POINT)

Mariners are advised to remain clear of these areas for the duration of operations. For more details or comments contact Vandenberg AFB at 805-606-8825 or on VHF-FM Chan. 06 or 16.

Charts: 18680 18700 18720 18740

LNM: 39/23

**SOUTHERN CALIFORNIA-WILMINGTON-PIER CONSTRUCTION**

Jilk Heavy Construction Co. will be conducting pier construction at the Marine Oil Terminal Berth 167-169 in Wilmington, CA. Operations will be conducted until 07 November, 2023 during daylight hours, Monday through Friday. Jilk Heavy Construction's 100'x110' Flexi-float mounted barge crane will be located at various points along berths 168-169 and berths 192-193 and will be moored with the use of spods. Alongside will be several 18' work skiffs at 33-45-20N 118-16-04W. All floating and land-based equipment will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Joe Salgado at 310-505-0142 or Joe Carrico at 310-505-7346.

Chart 18749

LNM: 27/23

**WASHINGTON- OFFSHORE WASHINGTON-SALMON FISHERIES**

NMFS has taken inseason action in the commercial salmon troll fishery north of Cape Falcon. Effective 7- 30 September, 2023 for the commercial salmon troll fishery in the area between the U.S./Canada Border and Cape Falcon, landing and possession limit of 15 chinook and 100 coho per vessel per landing week.

Charts: 18500 18520 18580 18600 18620

LNM: 37/23

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**SECTION VIII - LIGHT LIST CORRECTIONS**

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

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
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**None**

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**PUBLICATION CORRECTIONS****None**

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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

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE**[SFOBBTemporaryBargeLocations.pdf](#)

See link above.

LNM: 39/23

**NORTHERN CALIFORNIA-DELTA & RIVERS-AMERICAN RIVER-BRIDGE**[AmRiv\\_SiltCurtain\\_BargeLocation.pdf](#)

CAPITAL CITY HWY (ROUTE 51) BRIDGE-See link above for barge and silt curtain locations.

LNM: 22/22

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE**[PlatformLighting\\_GG\\_Bridge\\_25May23.pdf](#)

GOLDEN GATE BRIDGE-Temporary Platform Location and Lighting revised 25 May, 2023.

LNM: 22/23

**NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE**[R-SR\\_Bridge\\_Temp\\_Platform\\_Lighting.pdf](#)

RICHMOND-SAN RAFAEL BRIDGE- See link above for temporary underdeck platform lighting for concrete and steel repairs.

LNM: 48/21

**NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE**[ButteConstructionLightng-BuoyLine.pdf](#)

REPLACEMENT BUTTE CITY BRIDGE-See link above for temporary construction trestle and lighting and proposed buoy line..

LNM: 36/22

**NORTHERN CALIFORNIA-DELTA & RIVERS-SAN JOAQUIN RIVER-BRIDGE**[TemporaryBridge\\_FalseworkLighting.pdf](#)

CROWS LANDING REPLACEMENT-See link above for temporary falsework, temporary bridge, the temporary navigation channel during construction with navigation lighting plan.

LNM: 36/22

**NEVADA-ARIZONA-COLORADO RIVER-BRIDGE**[RockAccessPad\\_Lighting02.pdf](#)

NEW LAUGHLIN-BULLHEAD CITY BRIDGE-See link above for temporary rock access pad and temporary bridge lighting.

LNM: 15/23

**NORTHERN CALIFORNIA-MONTEREY BAY-SURVEY OPERATIONS**[MONTEREY BAY-SURVEY OPERATIONS.pdf](#)

see link above.

LNM: 04/23



**SOUTHERN CALIFORNIA-SANTA BARBARA-AQUACULTURE ESTABLISHMENT**

[AQUACULTURE ESTABLISHMENT.png](#)

see link above.

LNM: 03/23

**SOUTHERN CALIFORNIA-CHANNEL ISLANDS HARBOR-BRIDGES**

[Channel\\_Islands\\_Bridge\\_Rehab.pdf](#)

CHANNEL ISLANDS BLVD EAST (MANDALAY BAY) & CHANNEL ISLANDS BLVD WEST (EDISON CANAL) BRIDGES-Lighting diagram for cofferdams and flexi-floats.

LNM: 06/23

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

[HWY37FenderDamage.pdf](#)

HIGHWAY 37 BRIDGE-Open link above for location and depiction of fender damage.

LNM: 26/23

**CALIFORNIA - SANTA BARBARA - TRAFFIC SEPARATION (TSS) EXTENDED**

[TSS\\_Circ.78.pdf](#)

See link above.

LNM: 21/23

**CALIFORNIA - CALIFORNIA COAST-VOLUNTARY VESSEL SPEED REDUCTION**

[2023 NOAA USCG EPA VSR2.pdf](#)

See link above.

Charts: 18468 18640 18700 18720 18740

LNM: 20/23

**SOUTHERN CALIFORNIA - CHANNEL ISLANDS - AREA TO BE AVOIDED (ATBA) ENLARGED**

[ATBA\\_Circ.342.pdf](#)

See link above.

LNM: 21/23

**CALIFORNIA - SANTA BARBARA TSS AND CHANNEL ISLANDS ATBA GRAPHIC**

[new-protections.jpg](#)

See link above.

LNM: 21/23

**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)

S. G. Hu, LTJG  
U.S. Coast Guard  
"Acting" 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)

Fax: (510) 437-5836

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

Eleventh Coast Guard District

Coast Guard Island, Building 50-2

Alameda, CA 94501-5100

Attn: Bridge Office

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

Office: (510) 437-3516

Cell: (510) 219-4366

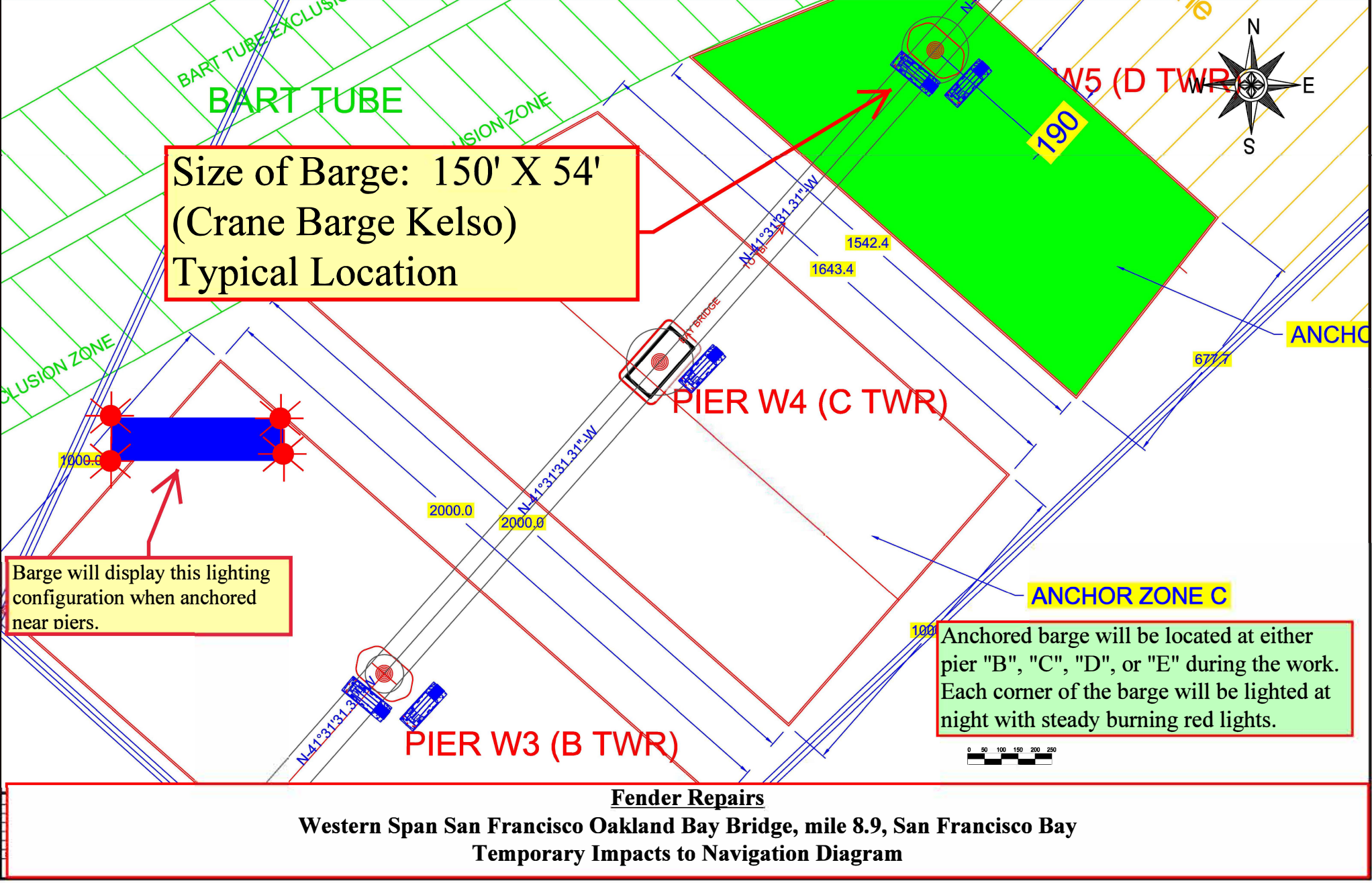
Mariners are reminded not to require bridge openings for appurtenances nonessential to navigation, per 33 CFR 117.11

**Size of Barge: 150' X 54'**  
**(Crane Barge Kelso)**  
**Typical Location**

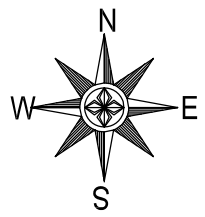
Barge will display this lighting configuration when anchored near piers.

Anchored barge will be located at either pier "B", "C", "D", or "E" during the work. Each corner of the barge will be lighted at night with steady burning red lights.

**Fender Repairs**  
**Western Span San Francisco Oakland Bay Bridge, mile 8.9, San Francisco Bay**  
**Temporary Impacts to Navigation Diagram**



Anchored barge will be located at either pier "B", "C", "D", or "E" during the work. Each corner of the barge will be lighted at night with steady burning red lights.

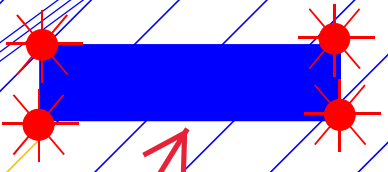


Size of Barge: 150' X 54'  
(Crane Barge Kelso)  
Typical Location

Shipping Lane

ANCHOR ZONE E WEST

ANCHOR ZONE E EAST



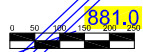
Barge will display this lighting configuration when anchored near piers.

D-E Outbound Shipping Lane  
D-E Inbound Shipping Lane

ANCHOR W6 (E TWR)

285

870

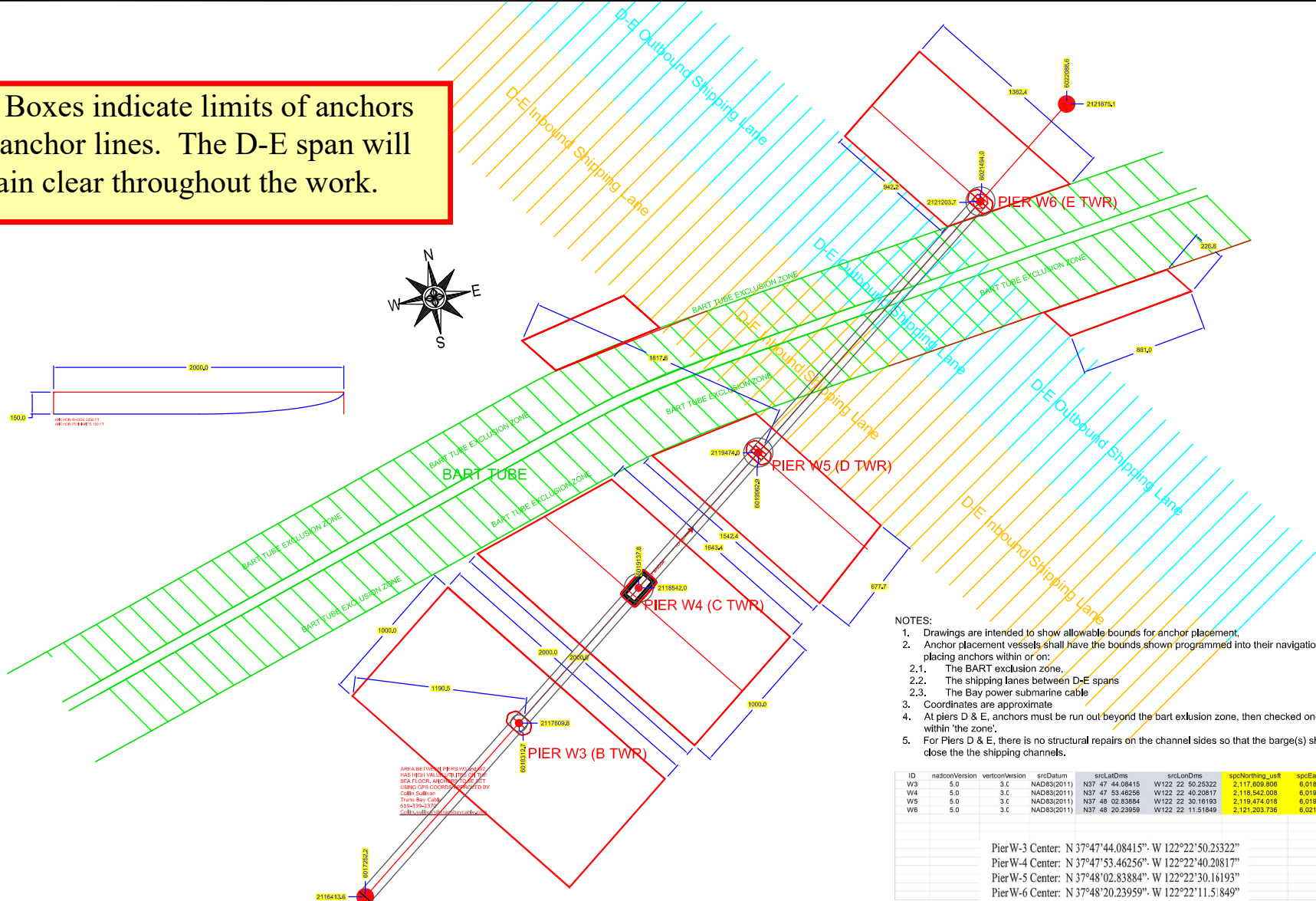
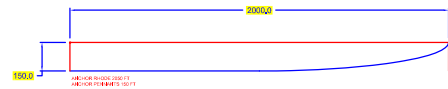


BART TUBE EXCLUSION ZONE

BART TUBE EXCLUSION ZONE

**Fender Repairs**  
**Western Span San Francisco Oakland Bay Bridge, mile 8.9, San Francisco Bay**  
**Temporary Impacts to Navigation Diagram**

Red Boxes indicate limits of anchors and anchor lines. The D-E span will remain clear throughout the work.



**NOTES:**

1. Drawings are intended to show allowable bounds for anchor placement.
2. Anchor placement vessels shall have the bounds shown programmed into their navigation systems in order to avoid placing anchors within or on:
  - 2.1. The BART exclusion zone,
  - 2.2. The shipping lanes between D-E spans
  - 2.3. The Bay power submarine cable
3. Coordinates are approximate
4. At piers D & E, anchors must be run out beyond the bart exclusion zone, then checked once set to ensure that they are not within 'the zone'.
5. For Piers D & E, there is no structural repairs on the channel sides so that the barge(s) should never need to moored close the the shipping channels.

AREA BETWEEN PIERS W3 AND W2 HAS BEEN MOORED TO SUPPORT THE SEA FLOOR ANCHORS. ALL VESSELS OPERATING IN THIS AREA MUST BE OPERATED BY COLIN SULLIVAN. There Bay Cable 42507062377 20160116104

ID	nadsOnVersion	vertconVersion	srcDatum	srcLatOrms	srcLonOrms	srcNorthing_usr1	srcEasting_usr1
W3	5.0	3.C	NAD83(2011)	N37 47 44.08415	W122 22 50.25322	2,117,609,808	6,018,512,651
W4	5.0	3.C	NAD83(2011)	N37 47 53.46256	W122 22 30.20817	2,116,542,008	6,019,137,752
W5	5.0	3.C	NAD83(2011)	N37 48 02.83884	W122 22 30.16193	2,119,474,018	6,019,962,888
W6	5.0	3.C	NAD83(2011)	N37 48 20.23959	W122 22 11.51948	2,121,203,736	6,021,493,997

Pier-W-3 Center: N 37°47'44.08415". W 122°22'50.25322"  
 Pier-W-4 Center: N 37°47'53.46256". W 122°22'40.20817"  
 Pier-W-5 Center: N 37°48'02.83884". W 122°22'30.16193"  
 Pier-W-6 Center: N 37°48'20.23959". W 122°22'11.51849"

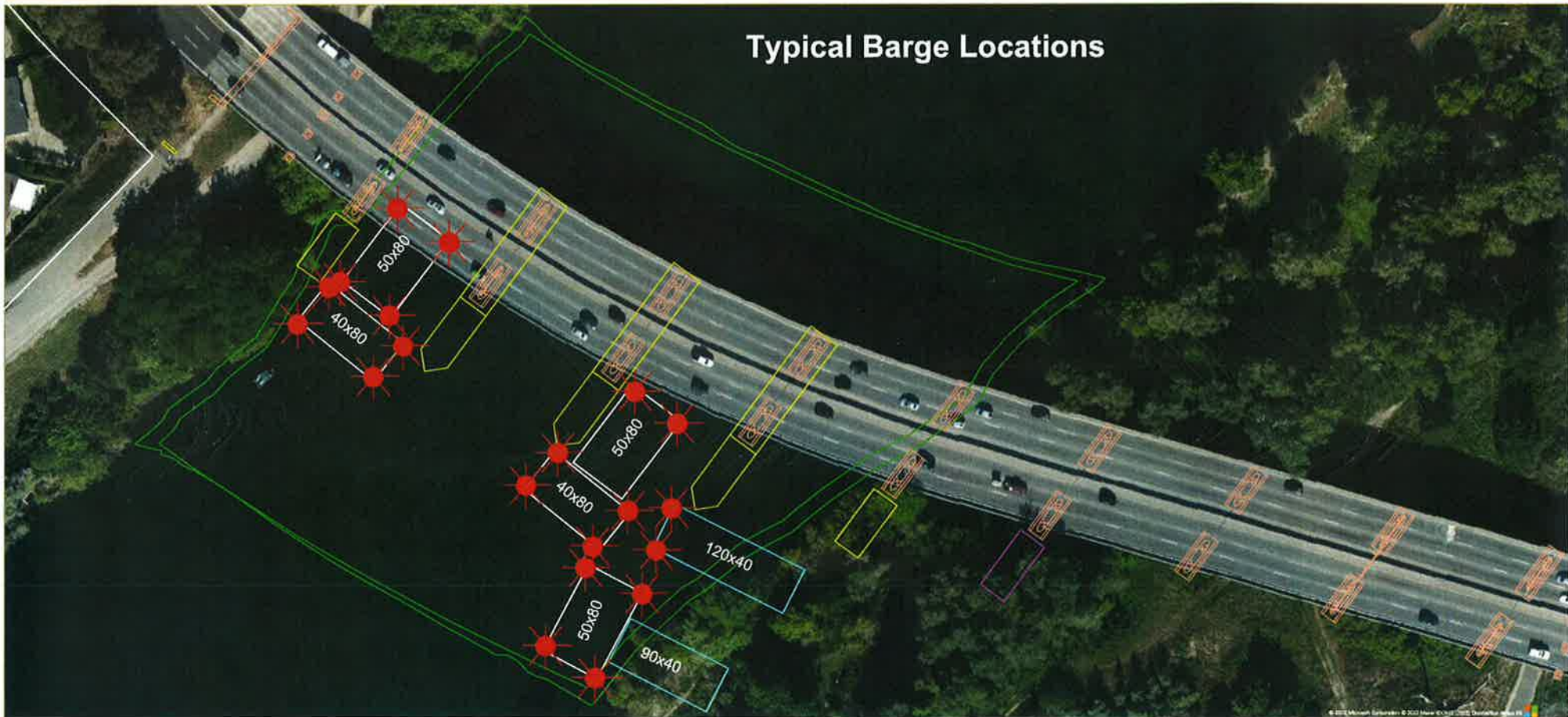
## Fender Repairs

### Western Span San Francisco Oakland Bay Bridge, mile 8.9, San Francisco Bay

### Temporary Impacts to Navigation Diagram

# Rehabilitation and Modification Project Capital City (CA Route 51) Bridge, Mile 4.0, American River

## Typical Barge Location and Typical Barge Lighting



Each corner of each barge is lighted at night with steady burning all-round red light, visible at 2,000 by approaching vessels. All vessels transiting the project area should use extreme caution. Turbidity curtains will be placed at different locations during the project. The next four diagrams show the proposed location of the curtains.



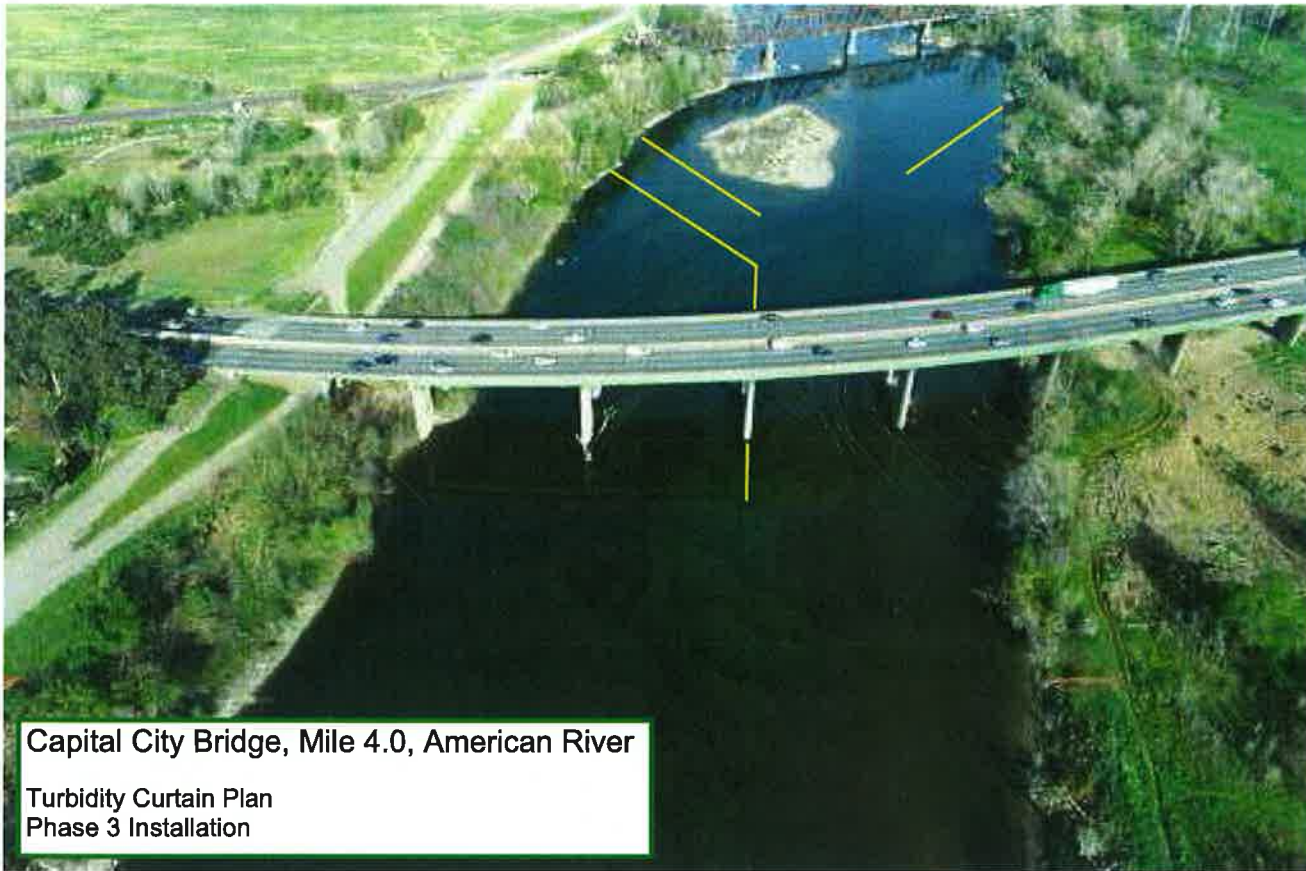
Capital City Bridge, Mile 4.0, American River  
Turbidity Curtain Plan  
Phase 1 Installation



Capital City Bridge, Mile 4.0, American River

Turbidity Curtain Plan  
Phase 2 Installation





Capital City Bridge, Mile 4.0, American River

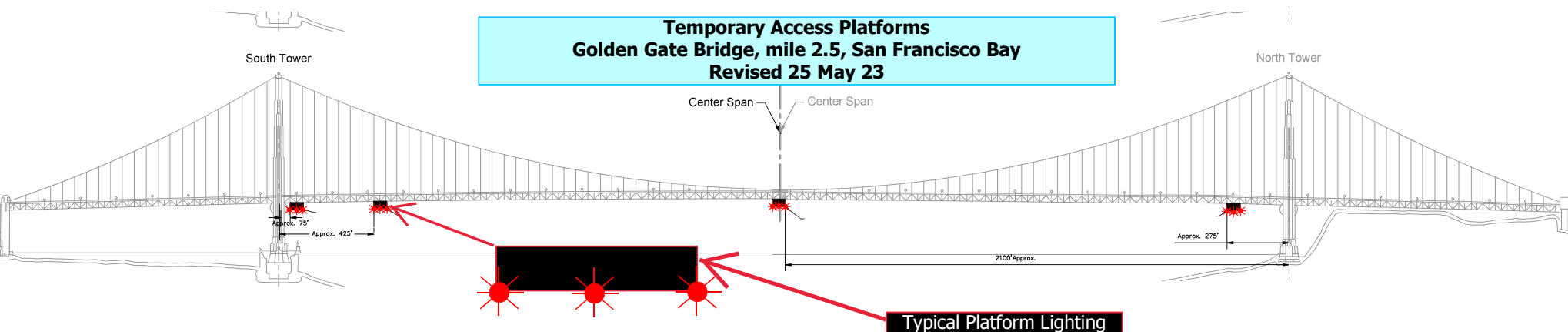
Turbidity Curtain Plan  
Phase 3 Installation



Capital City Bridge, Mile 4.0, American River

Turbidity Curtain Plan  
Phase 4 Installation

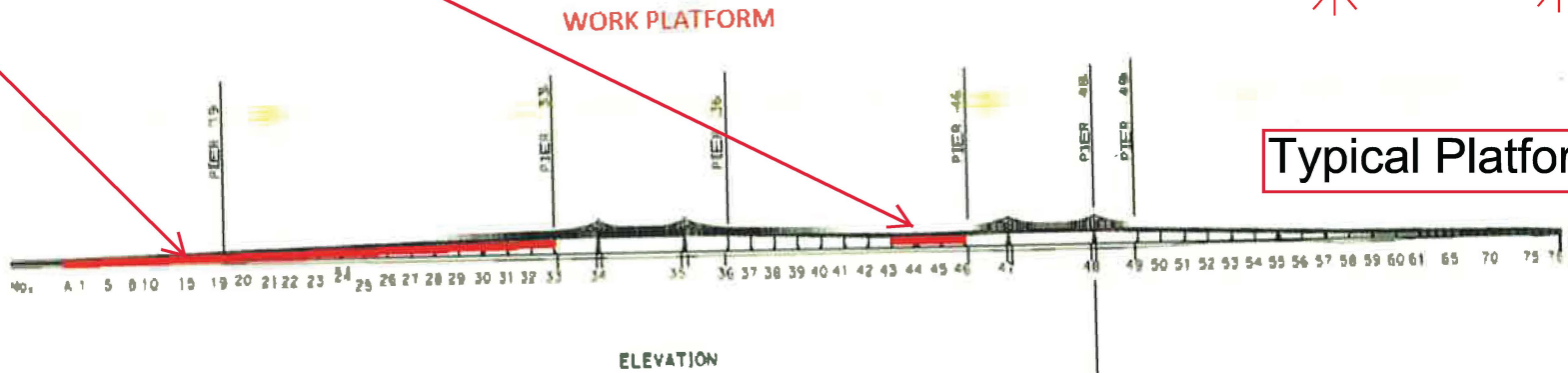
**Temporary Access Platforms**  
**Golden Gate Bridge, mile 2.5, San Francisco Bay**  
**Revised 25 May 23**



Four 54 ft wide temporary platforms are installed in the main span below low steel of the bridge, in relation to centerline of the span; two south of the north tower and two north of the south tower, reducing vertical clearance by no more than 14 feet. The upstream and downstream lower edges of the temporary platforms will be lighted at night with steady burning red lights visible at 2,000 yards by approaching vessels.

Painting and Structural Repairs Project  
Richmond-San Rafael Bridge  
Mile 13.0, San Francisco Bay

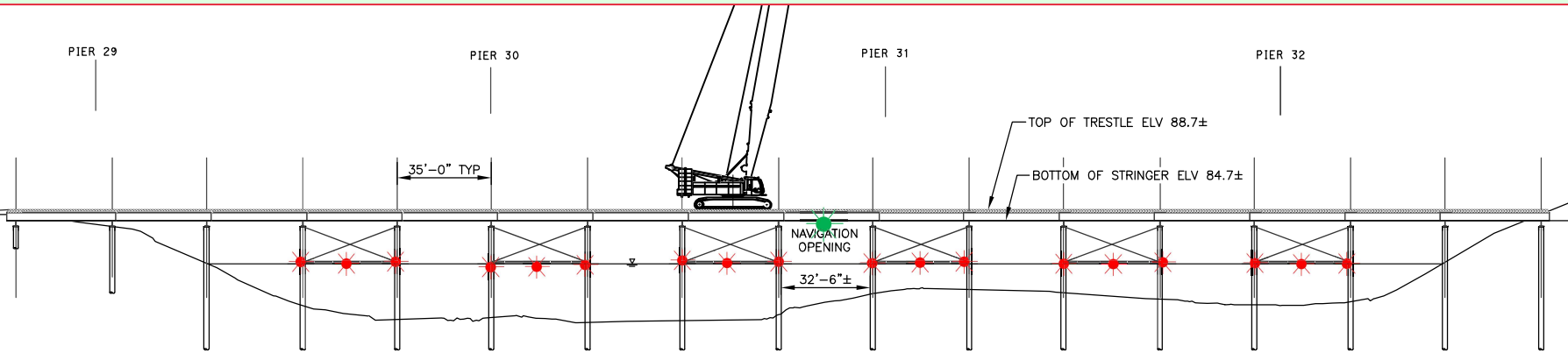
Temporary Underdeck Platforms




Typical Platform Lighting

The upstream and downstream lower edges of each temporary platform in each span are lighted at night with steady burning red lights to be seen at 2,000 yards by approaching vessels. Each platform reduces vertical clearance by no more than 3 feet.

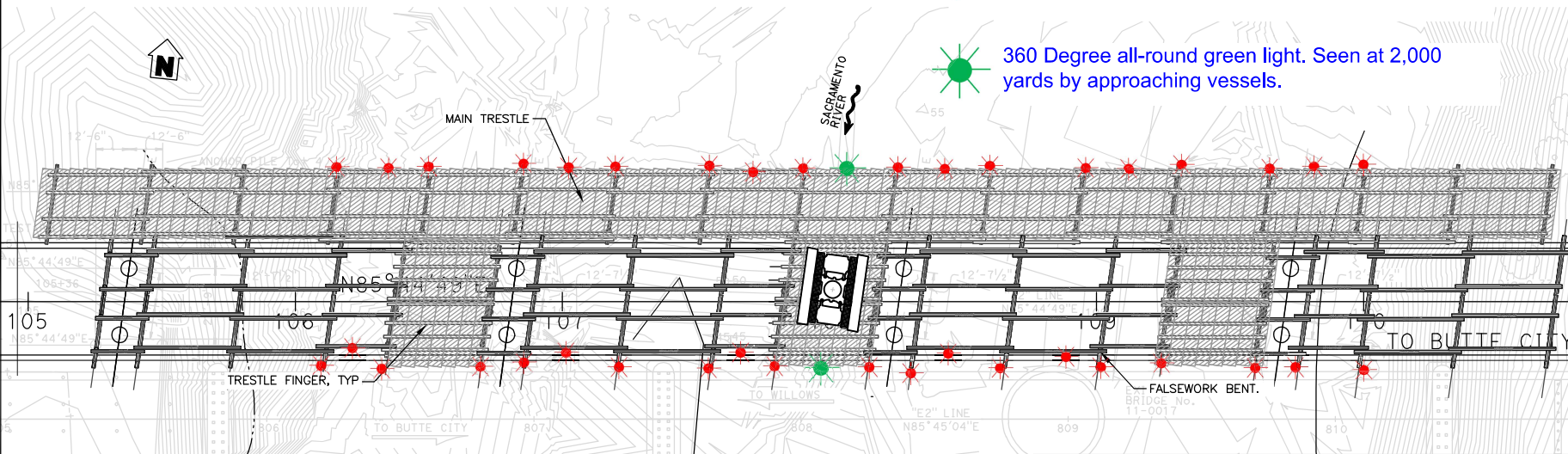
# Butte City Bridge Replacement Project Sacramento River



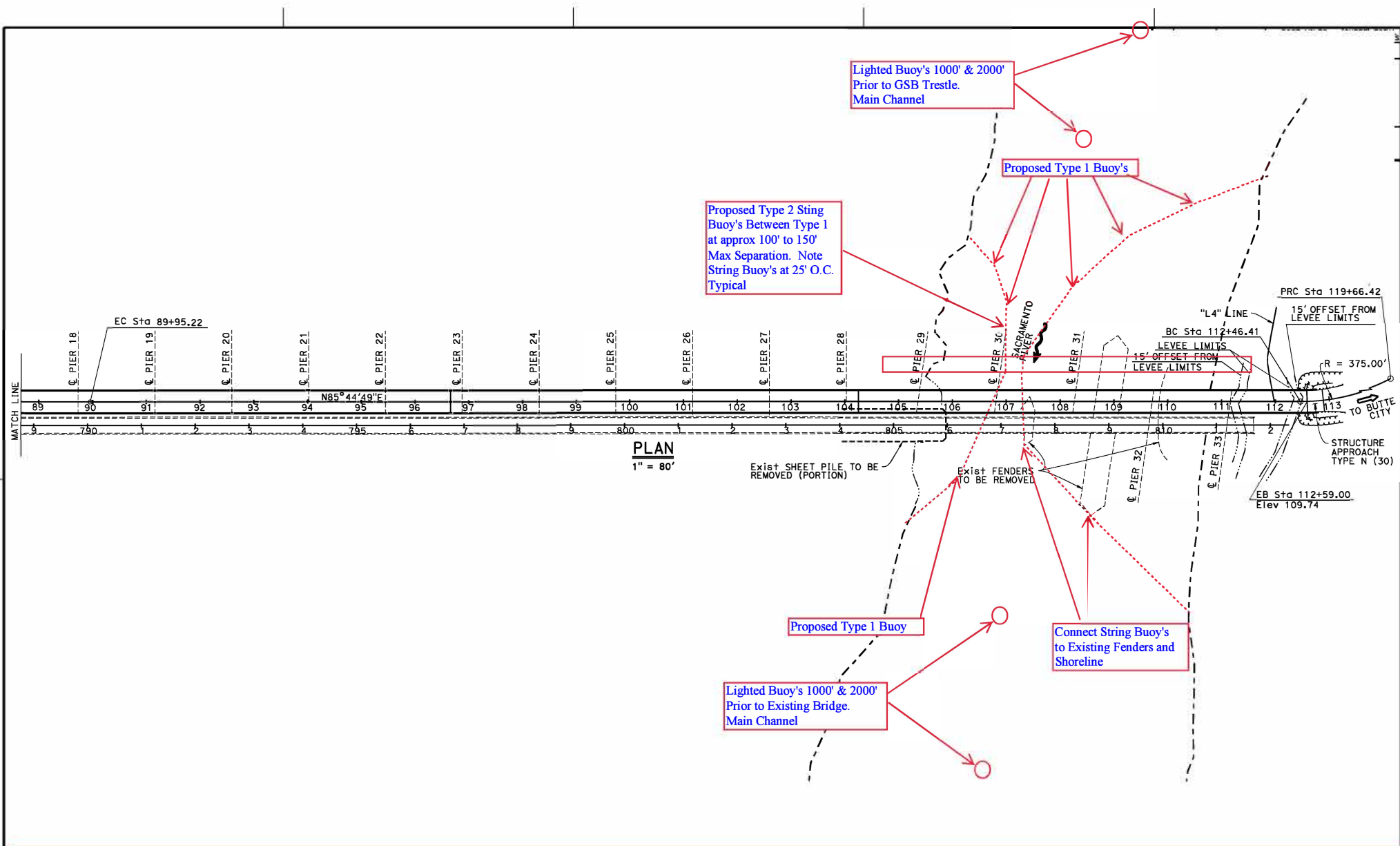
MAIN TRESTLE PROFILE  
SCALE: 1:40

 360 Degree all-round red light. Seen at 2,000 yards by approaching vessels.

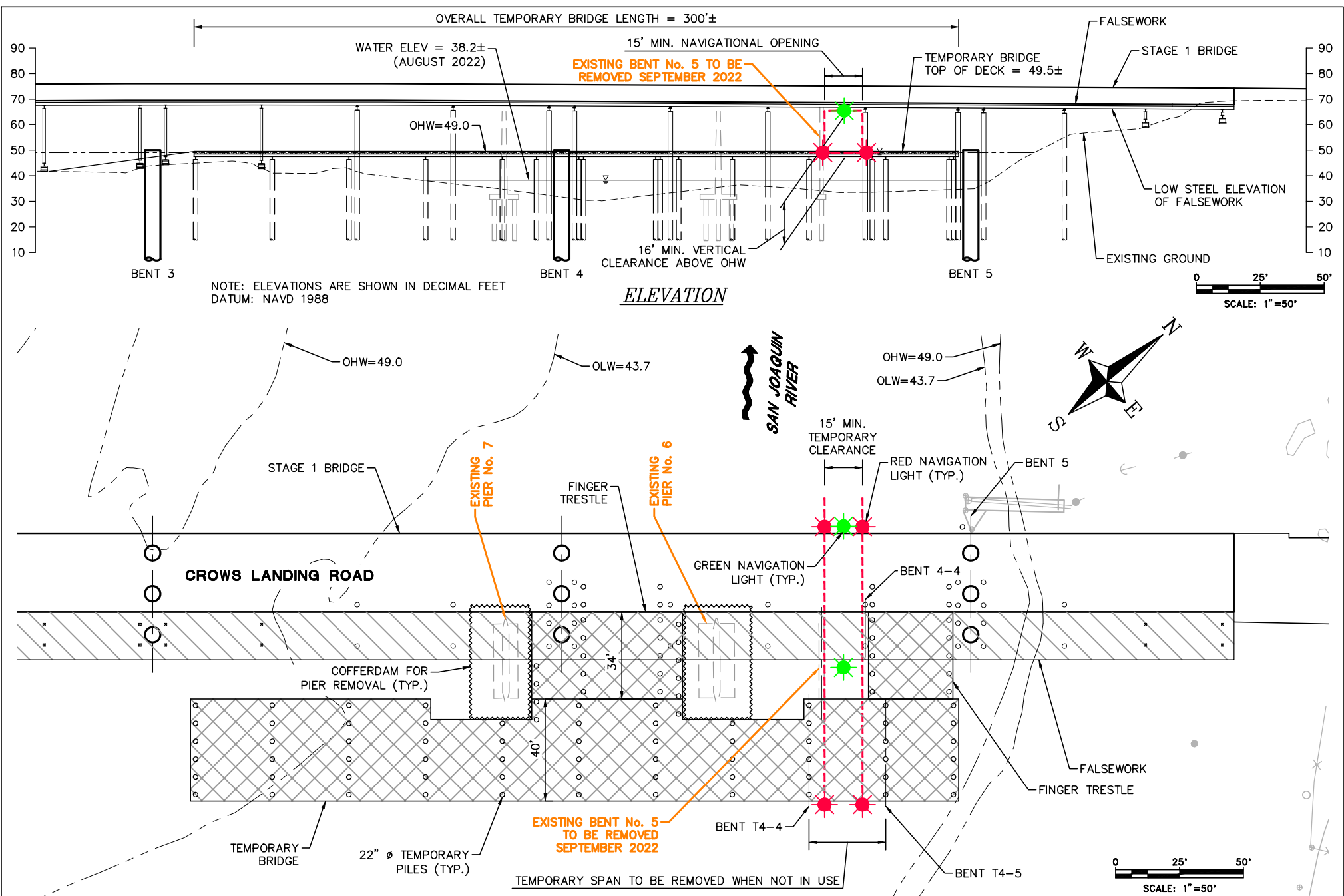
 360 Degree all-round green light. Seen at 2,000 yards by approaching vessels.



The upriver and downriver ends of the trestle piles and crossbeams are lighted at night with steady burning red lights. The upriver and downriver low steel of the temporary navigation span, in the center of the river, is lighted at night with steady burning green lights, which identifies the center of the temporary navigation span.



**Butte City Bridge Replacement Project, mile 169.7, Sacramento River  
Proposed Buoy Line During Construction**



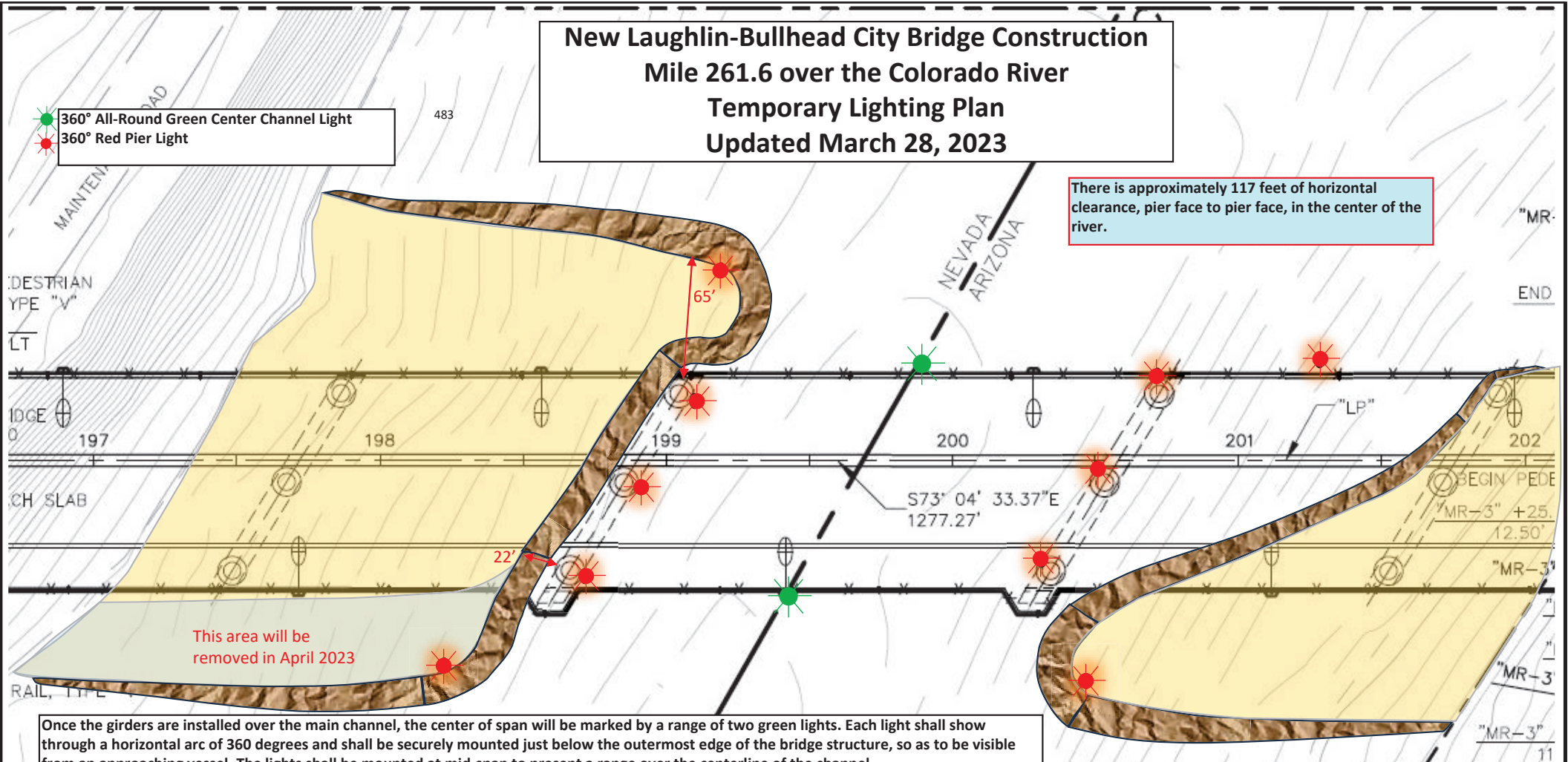
**Temporary Navigation Lighting-Crows Landing Bridge Replacement Project - San Joaquin River**

The temporary bridge, the replacement bridge and existing bridge will be lighted at night with two red lights marking the temporary navigation channel. The temporary falsework will be lighted, upriver and downriver, with green lights marking the center of the temporary navigation channel. During construction the temporary navigation channel will provide a horizontal clearance of 15 feet and a vertical clearance at Ordinary High Water of 16 feet.

# New Laughlin-Bullhead City Bridge Construction Mile 261.6 over the Colorado River Temporary Lighting Plan Updated March 28, 2023

● 360° All-Round Green Center Channel Light  
● 360° Red Pier Light

There is approximately 117 feet of horizontal clearance, pier face to pier face, in the center of the river.



This area will be removed in April 2023

Once the girders are installed over the main channel, the center of span will be marked by a range of two green lights. Each light shall show through a horizontal arc of 360 degrees and shall be securely mounted just below the outermost edge of the bridge structure, so as to be visible from an approaching vessel. The lights shall be mounted at mid-span to present a range over the centerline of the channel.

The exposed piers, as shown above, will be lit at night with steady burning red lights, visible at 2,000 yards by approaching vessels. The upriver and downriver in-ward tip of the Nevada side access pad and the downriver in-ward tip of the Arizona side access pad will be lit at night with steady burning red lights, visible at 2,000 yards by approaching vessels. A fourth red light will be installed on the northeast side of the river to mark the area to keep vessels out.

LAUGHLIN BRIDGE OVER COLORADO RIVER

ACCESS PAD MODIFICATIONS

By Greg Gentsch, P.E. March 28, 2023





## RESEARCH EQUIPMENT IN WATER

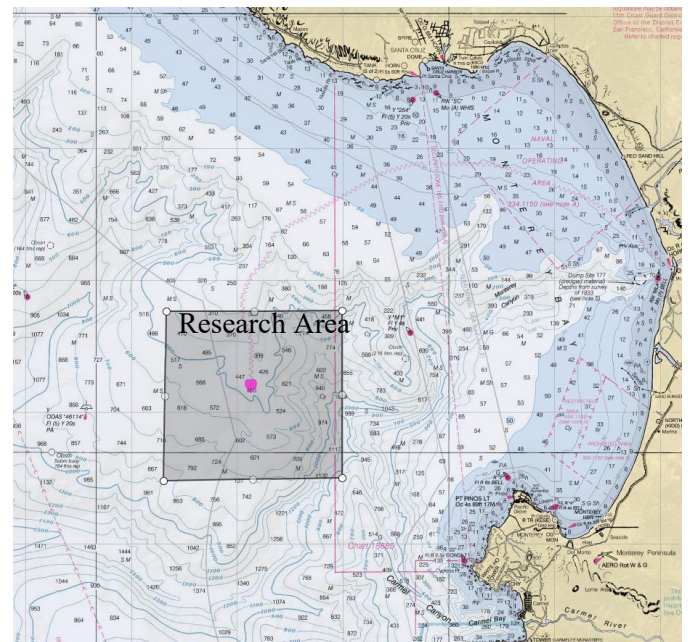
Monterey Bay  
February 2023

SAILDRONE, INC. will operate an Unmanned Surface Vehicle called Saildrone conducting research in the Monterey Bay in the vicinity of position of 36° 42.7'N, 122° 11.2'W

**VESSELS ARE REQUESTED TO TRANSIT THE AREA WITH CAUTION, AND REMAIN GREATER THAN 500 METERS AWAY FROM THE RESEARCH EQUIPMENT.**

Saildrones are wind powered Unmanned Surface Vehicles that carry important oceanographic and fisheries acoustics research instrumentation and are controlled from shore through satellite communications.

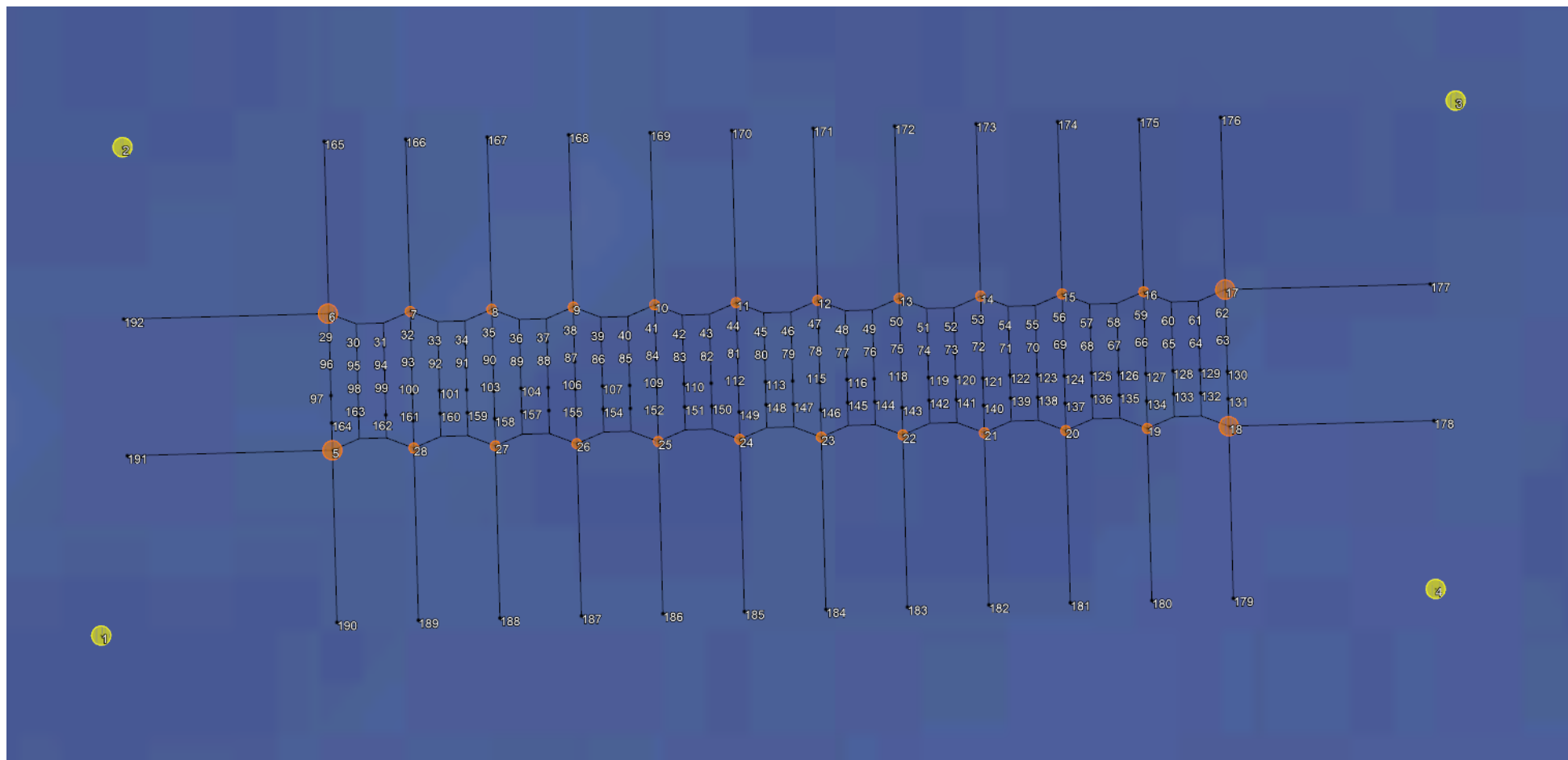
- **Color: Orange**
- **Light: white all-round light**
- **Radar Reflector: Yes**
- **Notation: "Saildrone"**
- **Length: 23 ft & Width: 2 ft**
- **Height: 16 ft above water line**
- **Draft: 6 ft, Avg. speed: 3 kts**
- **GPS / AIS / Cameras: Yes**



SAILDRONE MISSION CONTROL

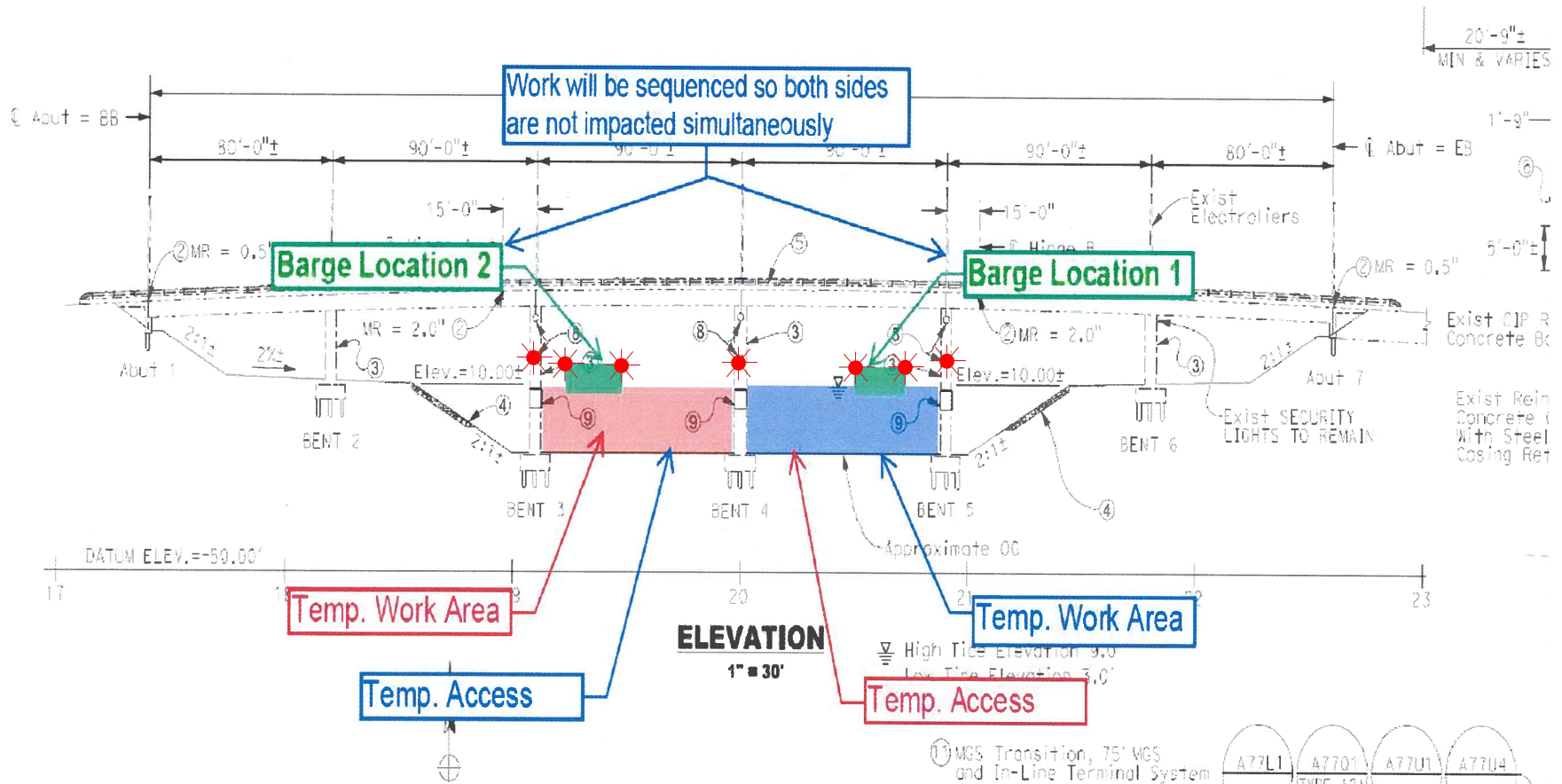
(510) 722-6070

[missioncontrol@saildrone.com](mailto:missioncontrol@saildrone.com)



# Rehabilitation of the Channel Islands Blvd West Bridge (Edison Canal) over Channel Islands Harbor

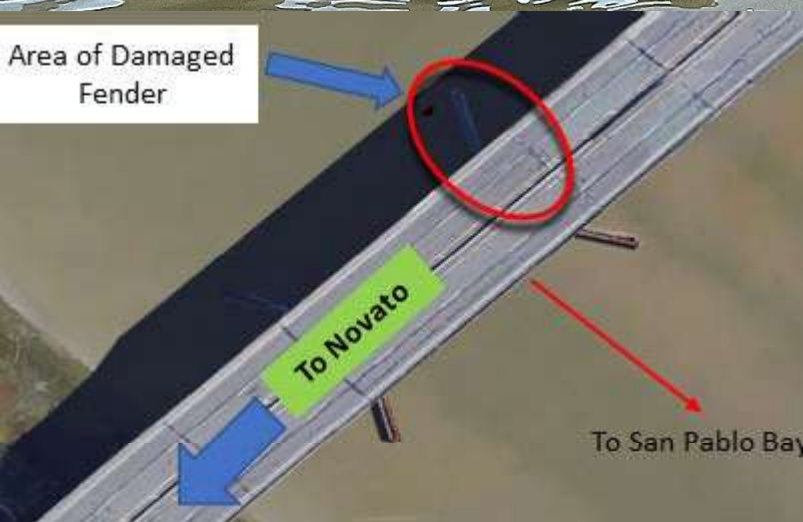
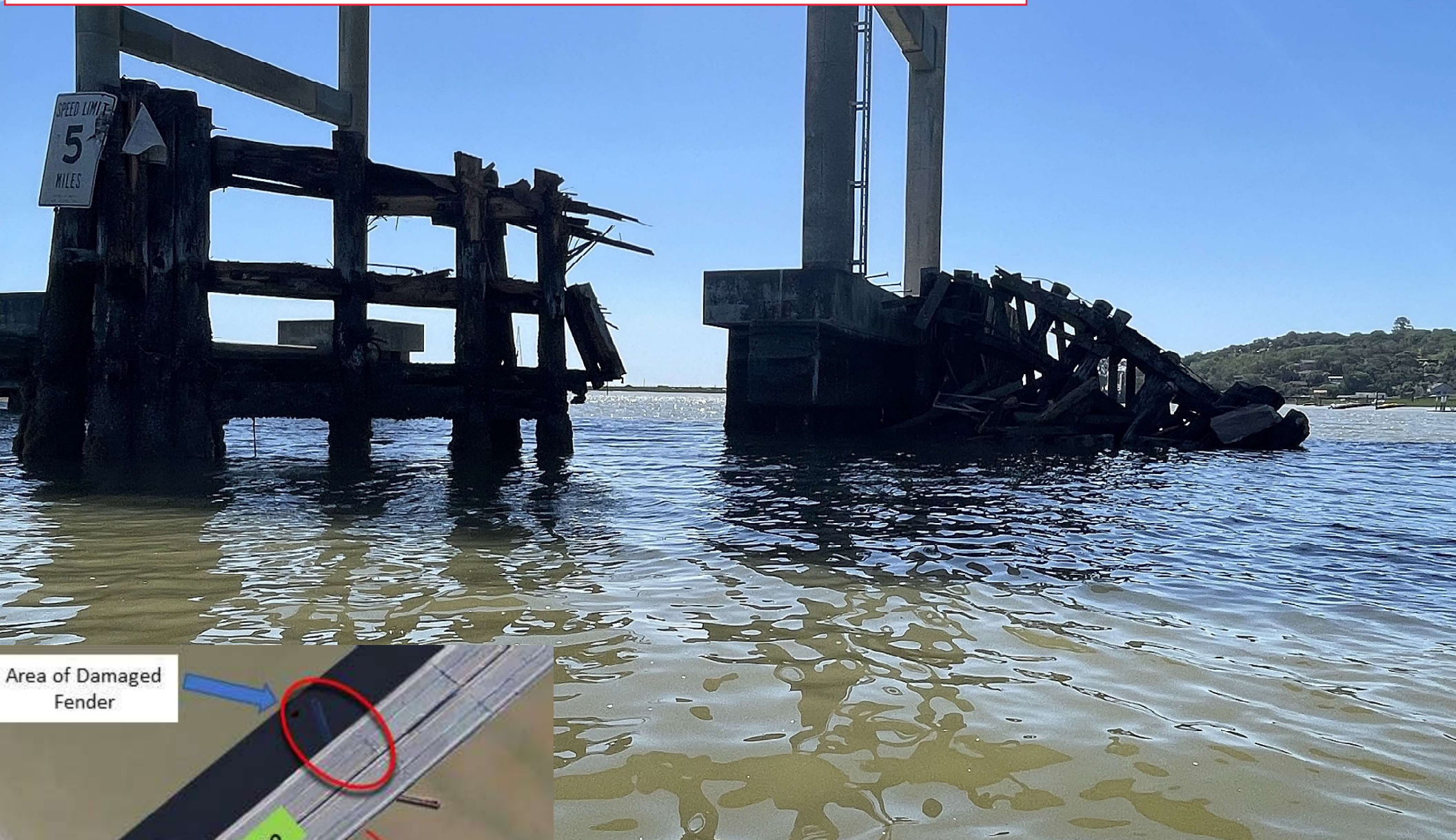
## Flexi-Float and Cofferdam Lighting



The upstream and downstream ends of the temporary cofferdams and each corner of each flexi-float barge shall be lighted at night with steady burning red lights visible at 2,000 yards by approaching vessels. Only one span will be worked on at any one time, leaving the other span available for mariners.

# Fender Damage

Highway 37 Bridge, mile 1.0, Petaluma River



Damaged upstream northwest fenders. Part of fender system encroaching 20-30 feet in main navigation span, unknown encroachment underwater. Mariners are urged to use extreme caution when transiting the bridge. The damaged system may not offer protection for vessels or the bridge is contact is made.

4 ALBERT EMBANKMENT  
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COLREG.2/Circ.78  
28 November 2022

## TRAFFIC SEPARATION SCHEMES AND ASSOCIATED MEASURES

1 The Maritime Safety Committee, at its 106th session (2 to 11 November 2022), having considered the recommendation made by the Sub-Committee on Navigation, Communications and Search and Rescue at its ninth session (21 to 30 June 2022), and in accordance with the *Procedure for the adoption and amendment of traffic separation schemes, routing measures other than traffic separation schemes, including designation and substitution of archipelagic sea lanes, and ship reporting systems* (resolution A.858(20)), adopted traffic separation schemes and associated measures, as follows:

- .1 amended traffic separation schemes and associated measures *Approaches to the Chornomorsk, Odesa and Pivdennyi ports*, which replace the existing traffic separation schemes *Between the ports of Odessa and Ilichevsk* and *In the approaches to the ports of Odessa and Ilichevsk* (COLREG.2/Circ.14, paragraphs 1.1.2 and 1.1.3); and
- .2 amendments to the traffic separation scheme *In the Santa Barbara Channel* (COLREG.2/Circ.64, annex 6),

as set out in annexes 1 and 2, respectively.

2 Accordingly, the aforementioned traffic separation schemes and associated measures will be implemented at 0000 hours UTC on 1 June 2023.

\*\*\*

**ANNEX 2**

**AMENDMENTS TO THE TRAFFIC SEPARATION SCHEME  
"IN THE SANTA BARBARA CHANNEL"**

**In the Santa Barbara Channel**

(Reference charts: United States 18700, 2013 edition; 18720, 2020 edition; and 18721, 2009 edition.

**Note:** These charts are based on North American 1983 datum)

**Part II**

**Between Point Conception and Point Arguello**

The description of the traffic separation scheme in part II "Between Point Conception and Point Arguello" is replaced by the following:

(a) A separation zone is bounded by a line connecting the following geographical positions:

(1) 34°20'.84 N, 120°30'.28 W      (13) 34°29'.15 N, 121°06'.94 W  
(6) 34°19'.88 N, 120°30'.59 W      (14) 34°28'.19 N, 121°07'.26 W

(b) A traffic lane for westbound traffic is established between the separation zone and a line connecting the following geographical positions:

(7) 34°21'.80 N, 120°29'.96 W      (15) 34°30'.11 N, 121°06'.63 W

(c) A traffic lane for eastbound traffic is established between the separation zone and a line connecting the following geographical positions:

(12) 34°18'.92 N, 120°30'.91 W      (16) 34°27'.23 N, 121°07'.57 W



To: All Mariners

April 10, 2023

The National Oceanic and Atmospheric Administration (NOAA), with support from the United States Coast Guard (USCG) and Environmental Protection Agency (EPA) is issuing a voluntary 10-knot Vessel Speed Reduction (VSR) request that goes into effect May 1 off of San Francisco, Monterey, and southern California; please see the attached charts. Large ships traveling at 10 knots or less give whales more time to move to avoid a strike, reduce the lethality of a strike should one occur, generate less harmful ocean noise and fewer air emissions. Thus, the goals of these voluntary VSR zones are to reduce the risk of fatal ship strikes to endangered blue, fin, and humpback whales, reduce ocean noise, and protect public health along the California coast. These whale 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.

**The voluntary VSR requests will be in effect May 1 to December 15, 2023 for all VSR zones off California, as shown in the attached charts.** Note the expansion of the northern VSR zone throughout Monterey Bay National Marine Sanctuary, and the southern California VSR zone expansion to include recent International Maritime Organization modifications to the Santa Barbara Channel Traffic Separation Scheme (TSS) and Area To Be Avoided (ATBA). NOAA, USCG, and EPA request that all vessels 300 gross tons (GT) or larger reduce speeds to 10 knots when transiting within the designated VSR zones and prioritize use of the western traffic lane of the San Francisco TSS when traveling in the San Francisco Offshore TSS. Vessels may deviate from the speed and routing recommendations whenever necessary to maintain safe maneuvering.

We request your cooperation with the voluntary VSR requests to protect the health of coastal communities and whales that annually migrate to and through these zones to feed. All transits by vessels 300 GT or larger are analyzed by NOAA via Automatic Information System (AIS) data provided by USCG to assess the cooperation of your company along with industry as a whole.

NOAA, USCG, and EPA are committed to the long-term protection of nationally significant marine resources and public health by enhancing marine safety and environmental awareness in the maritime community. If you have questions, please contact Sean Hastings, 805-705-1790, [sean.hastings@noaa.gov](mailto:sean.hastings@noaa.gov).

NOAA, USCG, and EPA commend your commitment to protecting endangered and threatened whales and protecting public health by cooperation with the 10 knot VSR requests and working towards a goal of 100% cooperation in 2023.

Handwritten signature of William J. Douros in blue ink.

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

Handwritten signature of Scott M. Rumsey in blue ink.

Scott M. Rumsey, Acting Regional Administrator  
NOAA National Marine Fisheries Service  
West Coast Region

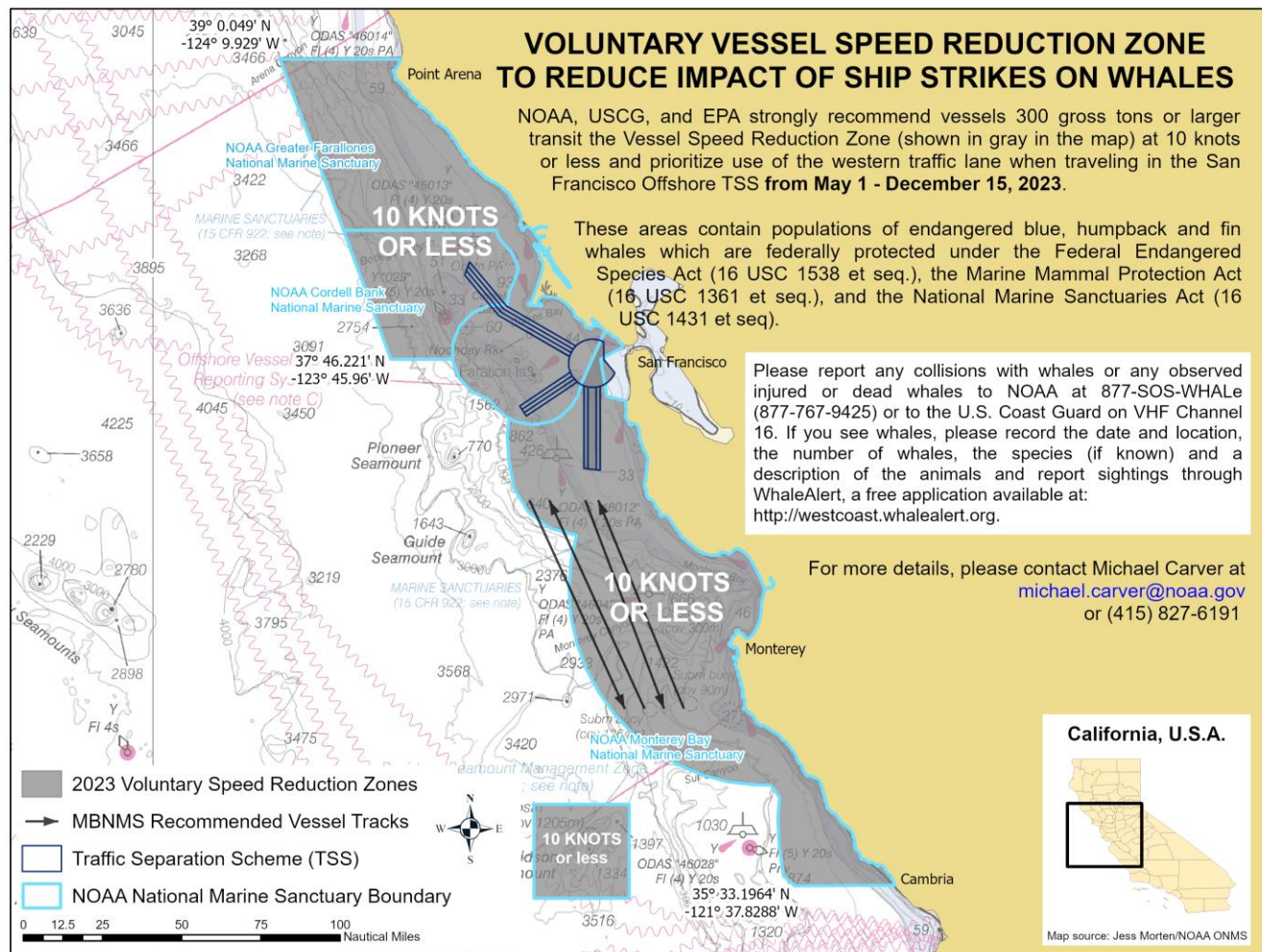
Handwritten signature of Andrew M. Sugimoto in blue ink.

Andrew M. Sugimoto, Rear Admiral  
U.S. Coast Guard  
District Eleven

Handwritten signature of Kerry Drake in blue ink.

Kerry Drake, Acting Regional Administrator  
Environmental Protection Agency  
Region 9

## 2023 Voluntary Vessel Speed Reduction Zones – San Francisco and Monterey Bay Region



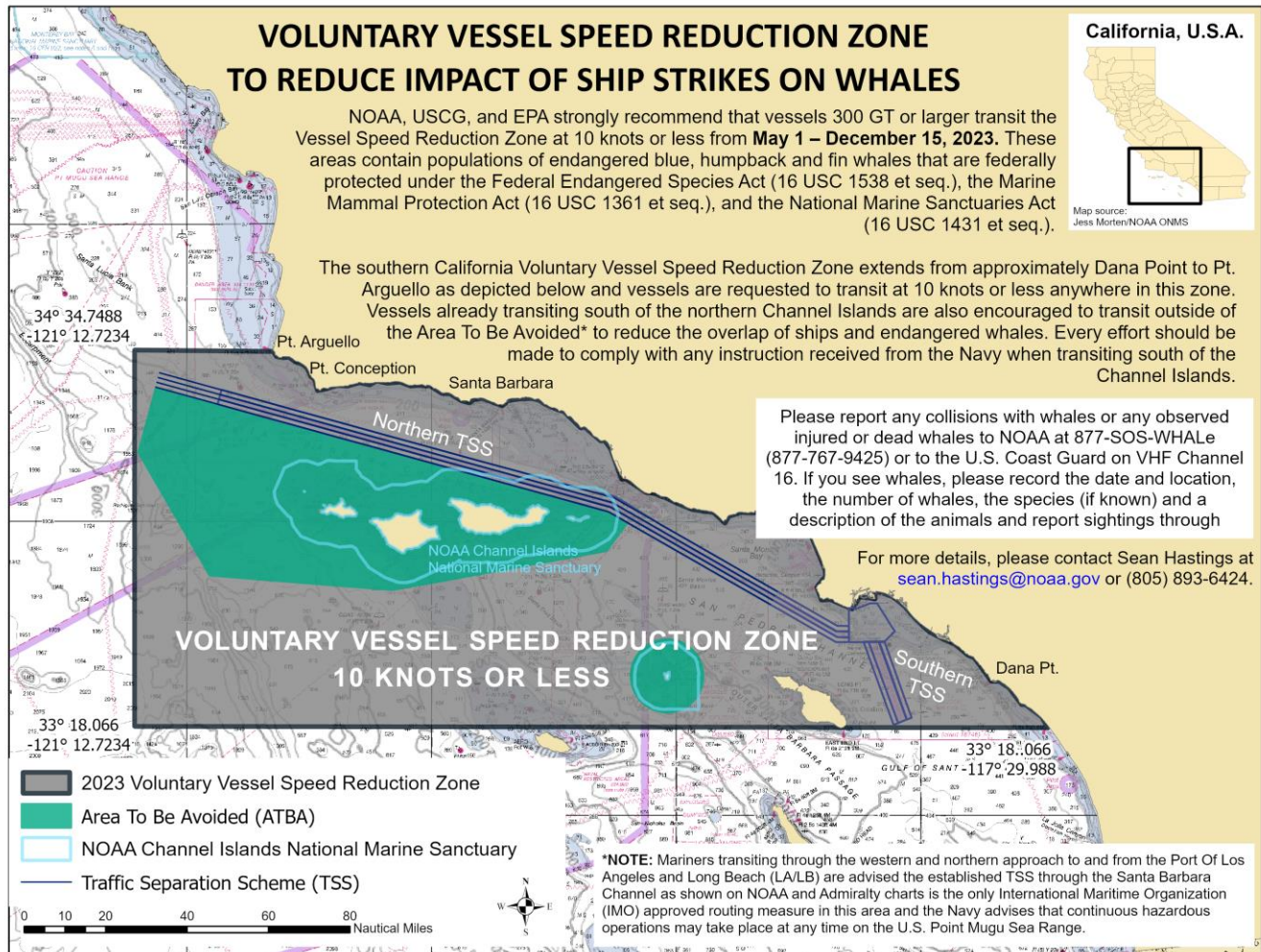
NOAA Chart 501

This map is not to be used for navigational purposes

20 APRIL 2023



## 2023 Voluntary Vessel Speed Reduction Zone – Southern California Region



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SN.1/Circ.342  
28 November 2022

## **ROUTING MEASURES OTHER THAN TRAFFIC SEPARATION SCHEMES**

1 The Maritime Safety Committee, at its 106th session (2 to 11 November 2022), having considered the recommendation made by the Sub-Committee on Navigation, Communications and Search and Rescue at its ninth session (21 to 30 June 2022), and in accordance with the *Procedure for the adoption and amendment of traffic separation schemes, routing measures other than traffic separation schemes, including designation and substitution of archipelagic sea lanes, and ship reporting systems* (resolution A.858(20)), adopted routing measures other than traffic separation schemes, as follows:

- .1 recommended route *Off the coast of Shio-no-Misaki*;
- .2 amendments to areas to be avoided *Off the California coast* (resolution A.711(17));
- .3 no anchoring area *In the southern portion of Pulley Ridge*; and
- .4 recommendation on navigation for containerships in the traffic separation schemes *Off Vlieland, Vlieland North and Vlieland Junction, Terschelling-German Bight, Off Friesland and German Bight western approach*,

as set out in annexes 1 to 4, respectively.

2 Accordingly, the aforementioned routing measures will be implemented at 0000 hours UTC on 1 June 2023.

\*\*\*

## ANNEX 2

### AMENDMENTS TO AREAS TO BE AVOIDED "OFF THE CALIFORNIA COAST"

#### Off the California coast

(Reference charts: United States 18700, 2013 edition; 18720, 2020 edition; 18721, 2009 edition.

**Note:** These charts are based on North American 1983 datum.)

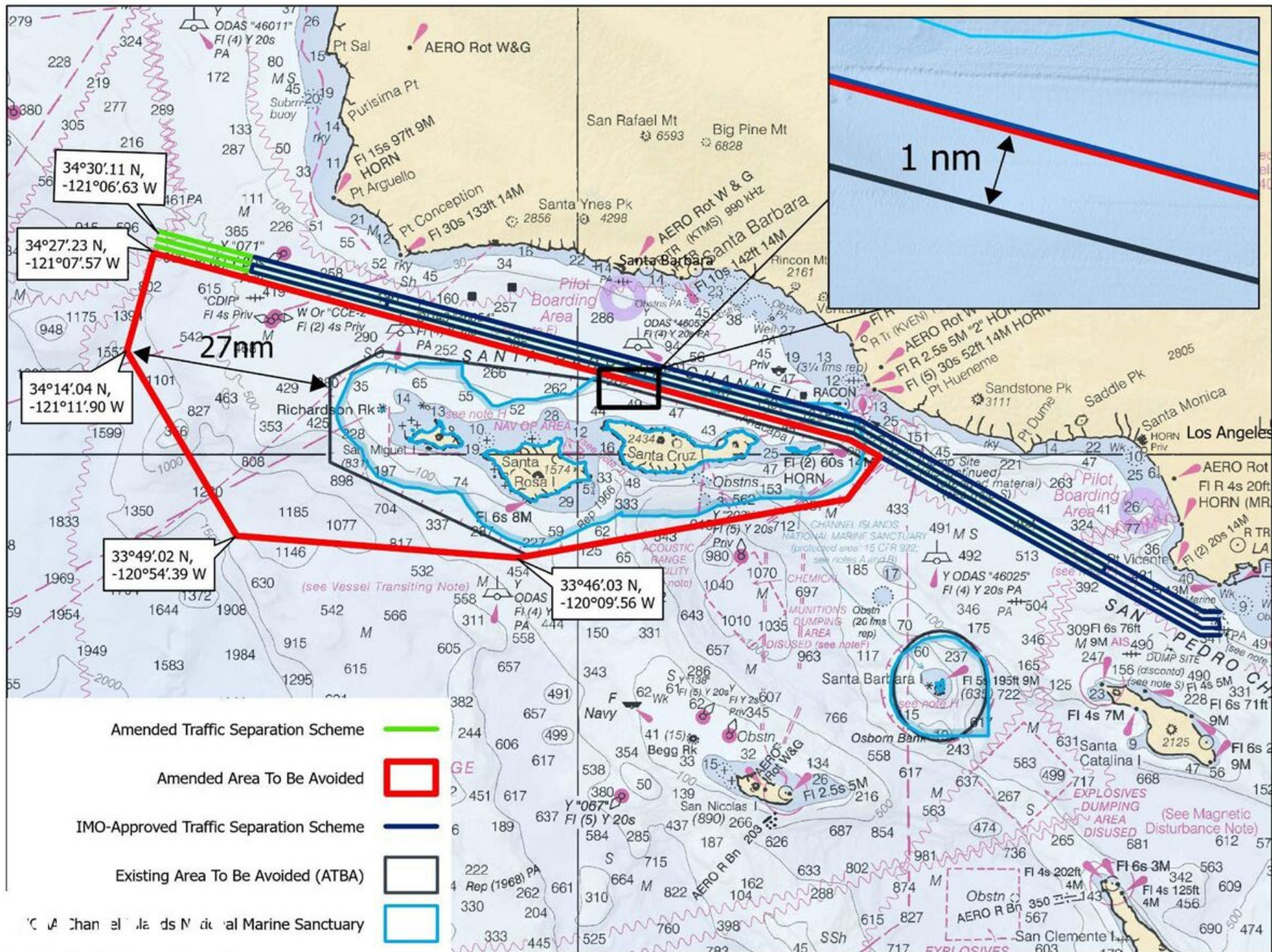
#### Description of the area to be avoided

- (a) **In the region of San Miguel, Santa Rosa, Santa Cruz and Anacapa Islands off the coast of southern California**

The existing area to be avoided is replaced by the area bounded by a line connecting the following geographical positions:

- (1) 34°27'.23 N, 121°07'.57 W
- (2) 34°02'.01 N, 119°16'.56 W
- (3) 33°59'.77 N, 119°11'.85 W
- (4) 33°54'.01 N, 119°16'.87 W
- (5) 33°46'.03 N, 120°09'.56 W
- (6) 33°49'.02 N, 120°54'.39 W
- (7) 34°14'.04 N, 121°11'.90 W

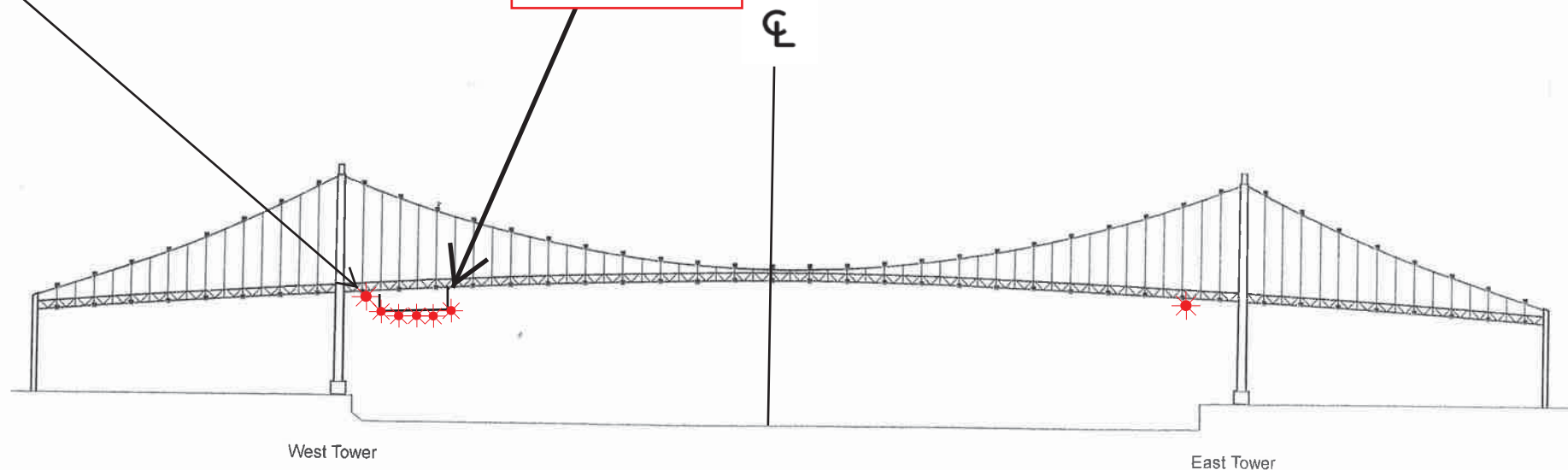
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Vincent Thomas Highway Bridge  
Mile 3.0  
Los Angeles/Long Beach Harbor  
**Painting Project**

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.