U.S. Department
of Homeland Security

**United States
Coast Guard**

LOCAL NOTICE TO MARINERS

District: 11 Week: 15/20

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

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

BROADCAST NOTICE TO MARINERS - Information concerning aids to navigation and waterway management promulgated through BNM HB-0005-20, SF-0038-20, LA-0055-20, and SD-0030-20 have been incorporated in this notice, or will continue if still significant.

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

SUBMITTING INFORMATION FOR PUBLICATION IN THE LOCAL NOTICE TO MARINERS

A complete set of guidelines with examples and contact information can be found at http://www.pacificarea.uscg.mil/Our-Organization/District-11/Prevention-Division/LnmRequest/ or call D11 Waterways Management Branch at 510-437-2980 or e-mail D11LNM@uscg.mil. Please provide all Local Notice to Mariners submissions 14 days prior to the start of operations.

BRIDGE INFORMATION- PROJECTS, DISCREPANCIES, CORRECTIONS & REGULATORY

For all bridge related issues, including lighting, operation, obstructions, construction, demolition, etc. contact the Eleventh Coast Guard District Bridge Administrator 24 hour cell phone at 510-219-4366. Flotsam may accumulate on and near bridge piers and abutments. Mariners should approach all bridges with caution. A vessel delay at a drawbridge may be reported to the District Bridge Administrator by telephone, or by using the Delay_Report_11-2017.pdf included in the Enclosures section of this Local Notice to Mariners.

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

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

CAUTION TO BE USED IN RELIANCE UPON AIDS TO NAVIGATION

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

DISCONTINUATION OF PAPER CHARTS

On 15 Nov 19, NOAA formerly announced in the Federal Register (Docket #2019-24807) that they would begin a 5-year process of discontinuing their traditional paper, or raster, charts by 2025. NOAA intends to gradually 'sunset' raster chart products and is introducing an option to create custom ENC data based charts that can be printed as a paper copy locally or commercially, via one of their certified third party printers. More detailed information regarding this transition is available from https://nauticalcharts.noaa.gov/publications/docs/raster-sunset.pdf. Comments/questions on the Federal Register Notice and the NOAA Custom Chart application should be submitted at https://www.nauticalcharts.noaa.gov/customer-service/assist/. Other concerns may be directed to your local NOAA Navigation Manager,

https://nauticalcharts.noaa.gov/customer-service/regional-managers/index.html. In order to identify and overcome the regulatory challenges associated with this transition including but not limited to updating commercial vessel carriage requirements and maritime safety information processes, NOAA will continue to work directly with its Agency charting partners. A prototype version of the NOAA Custom Chart Tool is available at https://devgis.charttools.noaa.gov/pod/.

LNM: 03/20

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY POSTS USCG LIGHT LISTS TO NGA MARINE SAFETY INFORMATION WEBSITE

Effective immediately with NGA NtM 16/2020 (18 APR 2020), NGA will now be posting fully corrected versions of the USCG Light List (LL) to their Maritime Safety Information (MSI) webpage and will suspend issuing corrections to the USCG LL within the NGA NtM.

The USCG NAVCEN provides PDF and XML versions of their weekly corrected Light List publications available at https://www.navcen.uscg.gov/?pageName=lightListWeeklyUpdates. USCG NVIC 01-16 allows for publications to be kept in electronic format as long as the publication updates are reasonably available. To align with the NVIC, NGA will match the USCG format and will start posting the fully corrected USCG Light List PDFs on their website at https://msi.nga.mil/Publications/USCGLL. This will allow the mariner to download a corrected version of the USCG Light List instead of applying notice corrections to the baseline PDFs.

Effective immediately, NGA will stop incorporating individual USCG Light List corrections in their weekly Notice to Mariners. Additionally, the "SEARCH ONLINE DATABASE" query function on NGA's MSI webpage will no longer be maintained. Until it can be removed from the MSI webpage, mariners are directed to only use the updated USCG LL PDFs for all light information. The specific USCG Light List corrections can continue to be viewed in each USCG Local Notice to Mariner by District at: https://www.navcen.uscg.gov/?pageName=lnmMain. Please contact the Maritime Safety Office or the Maritime Light Team at Maritime_Lights@nga.mil with any questions.

LNM: 15/20

NOAA DISCONTINUANCE OF TIDE TABLES AND TIDAL CURRENT TABLES PUBLICATIONS

NOAA is discontinuing Printed Tide Tables and Tidal Current Tables After 2020.(Please See enclosure NOAA Discontinuance Notice at the end of this notice).

LNM: 11/20

NORTHERN CALIFORNIA-HUMBOLDT BAY-SEASONAL AID DISCONTINUANCE

Humboldt Bay Lighted Bell Buoy 2 (LLNR 8135) will be temporarily discontinued for the 2019-2020 winter season until May 2020. The buoy is scheduled for re-establishment and back on-station station May 2020. A Synthetic AIS for the aid position is active and will be available year-round for this aid position. For more details or comments contact LT Ruth Sadowitz at 510-437-3801 or ruth.a.sadowitz@uscg.mil.

Charts: 18620 18622 LNM: 42/19

NORTHERN CALIFORNIA-HUMBOLDT BAY-WATERWAYS ANALYSIS AND MANAGEMENT SYSTEM ANNOUNCEMENT

The United States Coast Guard is conducting a Waterways Analysis and Management System (WAMS) study for Humboldt Bay to validate the adequacy of the existing aids to navigation system and to gain a better understanding of the uses of the waterway and general safety issues. The information collected from this survey will be used to assess what may be done to enhance safe navigation of the waterway and to anticipate and plan our budgeting processes. Interested companies or individuals wishing to provide feedback can do so by completing a short user survey here: https://www.surveymonkey.com/r/HumboldtBayWams. This Survey is scheduled to remain open through 30 April 2020. For more details or comments contact LTJG Katherine Clark at Katherine.R.Clark@USCG.MIL, 510-437-5984.

Chart 18622 LNM: 04/20

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

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

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

SECTION II - DISCREPANCIES

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

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1	Dart Tsunami Warning Lighted Buoy Station 46412	ADRIFT	18022	SD-0039-18	52/16	
10	San Diego Bay Approach Lighted Whistle Buoy SD	LT IMCH	18772	SD-0001-20	01/20	
365	Mile Rocks Light	REDUCED INT	18649	SF-0251-17	49/17	
380	Noonday Rock Lighted Bell Buoy 28	MISSING	18645	SF-0161-18	44/18	

562	NOAA Environmental Lighted Buoy 46027	MISSING	18603	HB-0008-19	17/19
1485	San Diego Bay Approach Lighted Whistle Buoy SD	LT IMCH	18772	SD-0001-20	01/20
2295	Oceanside Breakwater Light 1	DAYMK MISSING	18758	SD-0020-19	16/19
2470	Newport Bay Channel Light 11	STRUCT DEST/TRLB	18754	LA-0176-15	50/15
2641	Isthmus Cove Harbor Reefs Light	STRUCT DEST/TRLB	18757	LA-0094-18	29/18
2670	Santa Catalina Island West End Light	LT EXT	18757	LA-0113-19	34/19
2826	Anaheim Bay Channel Light 11	STRUCT DEST/TRLB	18749	LA-0143-19	41/19
3595	Port Hueneme Entrance Lighted Whistle Buoy PH	MISSING	18724	LA-0042-19	14/19
3877	Morro Bay Rough Bar Warning Light	STRUCT DEST	18703	LA-0185-19	49/19
4135	Pillar Point Harbor Entrance Lighted Buoy 2	LT EXT	18682	SF-0014-20	04/20
4245	Mile Rocks Light	REDUCED INT	18649	SF-0251-17	49/17
4645	Oakland Outer Harbor Light 7	STRUCT DMGD/TRLB	18650	SF-0089-18	23/18
4650	Oakland Outer Harbor Light 9	STRUCT DEST/TRLB	18650	SF-0058-18	26/18
5130	San Francisco Bay South Channel Light 8	DAYMK MISSING	18651	SF-0023-20	08/20
5180	Redwood Creek Entrance Light 2	STRUCT DEST/TRLB	18651	SF-0153-15	34/15
5240	Redwood Creek Light 13	STRUCT DMGD/TRLB	18651	SF-0201-17	41/17
5250	Redwood Creek Light 16	STRUCT DMGD/TRLB	18651	SF-0109-19	43/19
5915	San Pablo Bay Channel Lighted Buoy 10	SINKING	18654	SF-0110-19	44/19
6165	Napa River Light 8	STRUCT DEST/TRLB	18654	SF-0123-14	34/14
6195	Napa River Light 15	DAYMK MISSING	18654	SF-0036-17	05/17
6785	San Joaquin River Light 30	STRUCT DEST/TRLB	18660	SF-0018-19	05/19
6913	Stockton Channel Light 1	STRUCT DMGD	18660	SF-0072-19	23/19
7170	Sacramento River Deep Water Ship Channel Light 1	STRUCT DEST/TRLB	18659	SF-0078-19	25/19
7240	Sacramento River Deep Water Ship Channel Light 16	STRUCT DEST/TRLB	18660	SF-0127-18	34/18
7415	Sacramento River Deep Water Ship Channel Light 50	STRUCT DMGD/TRLB	18661	SF-0143-17	25/17
7780	Bodega Harbor Channel Light 2	STRUCT DMGD	18643	SF-0184-17	34/17
7795	Bodega Bay Harbor Light 4	STRUCT DEST/TRLB	18643	SF-0193-18	52/18
7865	Bodega Harbor Channel Daybeacon 18	STRUCT DMGD/TRUB	18643	SF-0256-17	50/17
7885	Bodega Harbor Channel Daybeacon 22	STRUCT DEST/TRUB	18643	SF-0069-12	01/13
7954	Bodega Harbor Channel Daybeacon 35	STRUCT DEST/TRUB	18643	SF-0001-19	02/19
7990	Bodega Harbor Channel Daybeacon 44	STRUCT DEST/TRUB	18643	SF-0230-15	50/15
8085	Noyo River Entrance Lighted Bell Buoy 2	SINKING/LT EXT	18626	HB-0025-19	53/19
8386	Crescent City Harbor Light 9	STRUCT DMGD/TRLB	18603	HB-0002-18	05/18

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
3185	Los Angeles Outer Harbor Light A	WATCHING PROPERLY	18751	LA-0053-20	15/20	15/20
7800	Bodega Harbor Channel Range B Front Light 5	WATCHING PROPERLY	18643	SF-0034-20	12/20	15/20

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
20	Ocean Beach Pier Fog Sound Signal	SS INOP	18765	SD-0002-19	05/19	
158	Scripps Waverider Lighted Research Buoy 092	OFF STA	18746		45/18	
1765	Harbor Island East Basin Channel Buoy 2	OFF STA	18773	SD-0028-19	19/19	

1790	Harbor Island East Basin Channel Buoy 10	OFF STA	18773	SD-0044-19	27/19
1900	Glorietta Bay Channel Lighted Buoy 8	LT IMCH	18773		50/18
2065	Coronado Cays Channel Light 2	LT EXT	18773	SD-0047-19	29/19
2070	Coronado Cays Channel Daybeacon 3	STRUCT DEST	18773	SD-0098-17	36/17
3339.2	REDONDO HARBOR LIGHT	LT EXT	18744	LA-0181-18	52/18
3972.1	Monterey Harbor Junction Lighted Buoy A	MISSING	18685	SF-0019-20	05/20
4401	**Richardson Bay Daybeacon 8**	**DAYMK DMGD**	**18653**		**15/20**
4402	Richardson Bay Daybeacon 9	STRUCT DMGD	18649	SF-0086-18	23/18
4470	San Francisco-Oakland Bay Bridge Pier H Fog Signal	SS INOP	18650	SF-0031-20	11/20
4475	San Francisco-Oakland Bay Bridge Pier I Fog Signal	SS INOP	18650	SF-0031-20	11/20
4826	Bay Farm Island Light 1	LT EXT	18650	SF-0014-19	05/19
4826.15	Bay Farm Island Light 3	LT EXT	18650	SF-0014-19	04/19
4827.1	Anchorage 9 Lighted Mooring Buoy A	LT EXT	18650	SF-0012-20	04/20
4828.1	Anchorage 9 Lighted Mooring Buoy B	LT EXT	18650	SF-0013-20	04/20
5661	Southampton Shoal Outfall Lighted Buoy 1	LT EXT	18653	SF-0029-20	10/20
5661	Southampton Shoal Outfall Lighted Buoy 1	LT EXT/RAC INOP	18653	SF-0026-19	07/19
5877.2	San Rafael Rock Quarry Mooring Buoy C	MISSING	18653		36/18
6623	New York Slough Koch West Light	LT IMCH	18659		39/18
6624	New York Slough Koch East Light	LT EXT	18659		39/18
6645.5	Delta Diablo Outfall Lighted Buoy	BUOY DMGD	18659		39/18

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
5156	San Mateo-Hayward Bridge Racon M	WATCHING PROPERLY	18653	SF-0038-20	14/20	15/20

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

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

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
2015	San Diego Bay Channel Lighted Buoy 33	DISCONTINUED FOR DREDGING	18773	SD-0018-20	09/20	
4090	Santa Cruz Harbor Buoy 1	DISCONTINUED FOR DREDGING	18685		14/20	
4095	Santa Cruz Harbor Lighted Buoy 2	DISCONTINUED FOR DREDGING	18685		14/20	
4100	Santa Cruz Harbor Buoy 3	DISCONTINUED FOR DREDGING	18685		14/20	
4105	Santa Cruz Harbor Buoy 4	DISCONTINUED FOR DREDGING	18685		14/20	

TEMPORARY CHANGES CORRECTED

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

None

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION IV - CHART CORRECTIONS

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

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

Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER
Main Panel 2245 NEW YORK HARBOR CGD01
(Temp) ADD NATIONAL DOCK CHANNEL BUOY 3 at 40-41-09.001N 074-02-48.001W
Green can

Corrective Action	Object of Corrective Action	Position

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

18661 30th Ed. 01-MAR-09 Last LNM: 30/19 NAD 83 15/20

ChartTitle: **Sacramento and San Joaquin Rivers Old River, Middle River and San Joaquin River extension;Sherman Island Extension 1854 UNION ISLAND INSET. Page/Side: A**

DELETE	Bridge Construction Note; CAUTION Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution. (NOS NW-30961)	NOS 37-52-23.430N	121-24-51.690W
CHANGE	Bridge construction label to fixed bridge label; WOODWARD ISLAND FIXED BRIDGE HOR CL 83 FT VERT CL 30 FT (NOS NW-30961)	NOS 37-55-12.410N	121-31-01.910W
CHANGE	Bridge construction with magenta screen to Fixed Bridge; (Chart No. 1: D22) (NOS NW-30961)	NOS 37-55-12.410N	121-31-01.910W

18720 35th Ed. 01-APR-20 Last LNM: 13/20 NAD 83 15/20

ChartTitle: **Point Dume to Purisma Point**

Main Panel 1880 POINT DUME TO PURISIMA POINT - -. Page/Side: -

NEW EDITION	Scale 1: 232,188; New EdiÏ'tion (35 ed, 04/01/20) due to numerous Notice to Mariner changes, hydrographic changes This NOAA chart is now available in both the Print-on Demand and digital raster formats. See http://www.charts.noaa.gov/MCD/Dole.shtml for details.	NOS --	--

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s)	Project Date	Ref. LNM

None

Advance Notice(s)

SOUTHERN CALIFORNIA-ANAHEIM BAY-TEMPORARY CHANGE

The U.S. Coast Guard will temporarily change the following aids to floating aids in regards to the Anaheim Bay Project:
Anaheim Bay Channel Light 9 LLNR (2820)
Anaheim Bay Channel Light 10 LLNR (2825)
Anaheim Bay Channel Light 11 LLNR (2826)
Anaheim Bay Channel Light 13 LLNR (2827)
Anaheim Bay Channel Light 17 LLNR (2829)
For more details or comments contact LT Ruth Sadowitz at 510-437-3801 or ruth.a.sadowitz@uscg.mil.
Chart 18749 LNM: 15/20

SOUTHERN CALIFORNIA-NEWPORT BAY CHANNEL-AID CONVERSION

The U. S. Coast Guard is proposing to make the temporary buoy for Newport Bay Channel Light 11 (LLNR 2470) a permanent buoy. For more details or comments contact LT Ruth Sadowitz, 510-437-3801 or ruth.a.sadowitz@uscg.mil.
Chart 18754 LNM: 46/19

SECTION VI - PROPOSED CHANGES

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

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s)	Closing	Docket No.	Ref. LNM
None			

Proposed Change Notice(s)

None

SECTION VII - GENERAL

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

ARIZONA-BULLHEAD CITY-COLORADO RIVER-DAVIS DAM

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

LNM: 16/18

NORTHERN CALIFORNIA-CORDELL BANK-SURVEY OPERATIONS

NOAA has deployed two research moorings in the following positions:
38-03-03N 123-27-24W
34-03-24N 123-29-09W
These are orange mooring buoys that have a flat surface float, flagpole, flag, and radar reflector. R/V MUSSEL POINT will be monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Danielle Lipski at 415-464-5264.
Charts: 18010 18645 LNM: 52/18

NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE

BON AIR RD BRIDGE REPLACEMENT-Construction of the replacement bridge is in progress. A temporary work trestle spans the channel and provides 20′ of horizontal clearance, pile to pile, and 3' of vertical clearance from mean high water to the lowest hittable portion of the trestle (see BonAirRd_Trestle.pdf at the end of this notice for navigation channel location). Four cofferdams have been placed within the creek to facilitate construction of the replacement bridge piers. Work will be conducted Monday through Saturday from 0700-1800. Mariners are requested to transit the area with caution. For conditions at the construction site, mariners can contact the contractor at 925-953-4610/916-919-2428 or the city at 415-259-7050. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.
Chart 18649 LNM: 41/18

NORTHERN CALIFORNIA-DELTA & RIVERS-MOKELUMNE RIVER-BRIDGE

MILLER'S FERRY BRIDGE-The southern most downriver all-round red dolphin light and the east side green/red movable swing span light are extinguished. For more details or comment contact the Coast Guard Bridge Office at 510-437-3514.
Chart 18661 LNM: 06/20

NORTHERN CALIFORNIA-DELTA & RIVERS-MOKELUMNE RIVER-BRIDGE

****UPDATE****CA ROUTE 12 BRIDGE-The drawspan of the bridge will be secured in the closed-to-navigation position from 0700 on 17 Apr through 1700 on 18 May 20 in order for the bridge owner to conduct critical maintenance and rehabilitation on the bridge. Installed bird netting, reduces vertical clearance of the bridge by no more than 2 inches below low steel of the drawspan during the work. No temporary in-water equipment is anticipated to be used for this project. Vessels unable to transit the bridge in the closed-to-navigation position can take an alternate

NORTHERN CALIFORNIA-DELTA & RIVERS-MOKELUMNE RIVER-BRIDGE

route to reach either side of the drawspan. During the work, the drawspan will only open for emergencies with a 24-hour advance notice to the Coast Guard. For conditions at the bridge during the project, mariners can contact the contractor at 510-715-0313. For further information contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18661 LNM: 12/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

Hydrographic surveying operations will be conducted, utilizing eTrac's 33' aluminum survey vessel "505", in the main navigation channels of the following bridges during the following dates and times:

Rio Vista Drawbridge - 20 to 23 Apr 20, 0800 - 1800
Isleton Drawbridge - 23 to 24 Apr 20, 0800 - 1800
Paintersville Drawbridge - 26 to 27 Apr 20, 0800-1800

The survey vessel "505" can be moved for navigational safety with one hour advance notice by hailing the "505" on VHF-FM Chan. 13 and 16. For conditions at each bridge, mariners can contact Caltrans at 530-218-4795. Mariners are requested to transit the area with caution. For more details or comments contact on scene contractor at 415-747-9436.

Charts: 18661 18662 LNM: 13/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

TOWER DRAWBRIDGE-The drawspan will be secured in the closed-to-navigation position from 0830-1100 on 02 May 20 for the Girl Scout Bridging Ceremony. In the event of an emergency, the drawspan can be opened with one hour advance notice. The bridge provides 30' vertical clearance above mean high water when closed. Vessels that can transit the bridge while in the closed position may continue to do so at any time. For more details or comment contact the Coast Guard Project Manager at 510-437-3461.

Chart 18662 LNM: 14/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

"I" STREET RAILROAD/HIGHWAY BRIDGE-The downstream swing span pier protection red light is extinguished. The swing span alternate red/green lights are showing both colors in closed position. Estimated time of repair is unknown. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18662 LNM: 11/19

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

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

Chart 18664 LNM: 13/19

NORTHERN CALIFORNIA-DELTA & RIVERS-STEAMBOAT SLOUGH-BRIDGE

STEAMBOAT SLOUGH BRIDGE - Hydrographic surveying operations will be conducted, utilizing eTrac's 33' aluminum survey vessel "505", in the main navigation channel of the bridge 24 to 25 Apr 20, 0800-1800. The survey vessel "505" can be moved for navigational safety with one hour advance notice by hailing the "505" on VHF-FM Chan. 13 and 16. For conditions at the bridge, mariners can contact Caltrans at 530-218-4795. Mariners are requested to transit the area with caution. For more details or comments contact the on scene contractor at 415-747-9436.

Chart 18662 LNM: 13/20

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

THREE MILE SLOUGH DRAWBRIDGE-The drawspan is secured in the closed-to-navigation position due to operational failure. Estimated time of repair 15 May 20. The bridge provides 12′ of vertical navigational clearance at mean high water when closed. Vessels able to transit the bridge while closed can continue to do so at any time. For more details or comments contact the Coast Guard Bridge at 510-437-3516.

Chart 18661 LNM: 15/20

NORTHERN CALIFORNIA-HUMBOLDT BAY-DREDGE OPERATIONS

The Army Corps of Engineers will conduct dredge operations in Humboldt Bay, CA from until 06 May 20 in the Federally authorized Navigation Channels. The government hopper dredge YAQUINA will be working in interior channels, which include North Bay, Samoa, Eureka, and Fields Landing. Dredged material will be disposed of at the designated offshore Humboldt Open Ocean Disposal Site (HOODS). Mariners are requested to transit the area with caution. For more details or comments contact YAQUINA's Master at 541-974-7596 or 541-974-4418.

Chart 18622 LNM: 13/20

NORTHERN CALIFORNIA-HUMBOLDT BAY-HAZARDOUS CONDITIONS

Humboldt Bay entrance is observing a reduced deep draft limit to 34′ based on a +6′ tide until maintenance dredging can be performed. Hazardous conditions with breaking surf and heavy shoaling have been observed in the vicinity of Humboldt Bay Lighted Buoy 9 (LLNR8195). Mariners are requested to transit the area with caution and contact U. S. Coast Guard Sector Humboldt Bay on VHF-FM Chan. 16 for assistance. For more details or comments contact U.S. Coast Guard Sector Humboldt Bay at 707-839-6113.

Chart 18622 LNM: 50/18

NORTHERN CALIFORNIA-MARE ISLAND STRAIT-DREDGE OPERATIONS

Lind Marine is conducting maintenance dredging at Mare Island Shipyard, Dry Dock 02-04 and berths 13-15 at 38-05-49N 122-15-54W until 18 Apr 20. Vessels will transport dredged material north on the Napa River to the Dutchman Slough. Dredge barge SONNIE DELIGHT, barge GRETA JEAN; along with tug TRIG LIND will be on site monitoring VHF-FM Chan. 11. Mariners are requested to transit the area with caution. For more details or comments contact Skyler Coleman at 707-291-6367.

Chart 18655 LNM: 06/20

NORTHERN CALIFORNIA-MIDDLE RIVER-POTENTIAL OBSTRUCTION TO NAVIGATION

There is a potential obstruction to navigation in the Middle River at the entrance to Empire Cut at 37-58-18N 121-31-18W. The obstruction is a

NORTHERN CALIFORNIA-MIDDLE RIVER-POTENTIAL OBSTRUCTION TO NAVIGATION

partially submerged metal pipe. Mariners are requested to transit the area with caution. For more details or comments contact LT Emily Rowan at 415-399-7443.

Chart 18661 LNM: 46/19

NORTHERN CALIFORNIA-MONTEREY BAY-MAINE OPERATIONS

NOAA National Marine Sanctuary vessel, R/V FULMAR, will conduct drills including the use of aerial parachute flares, red signal flares, and orange smoke flares from 0900-1600 on 27 Apr 20. The area of operation will be approximately 8 nm North West of Point Pinos at 36-43-51N 122-03-18W. The R/V FULMAR will monitor VHF-FM CHAN. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact LT Brian Yannutz at 970-775-4815.

Chart 18685 LNM: 15/20

NORTHERN CALIFORNIA-MONTEREY BAY-USV OPERATIONS

Liquid Robotics, Inc. is conducting autonomous, unmanned maritime vehicle operations offshore Monterey Bay, CA, 24 hours per day 7 days a week until 30 Apr 20. Operations will consist of scientific ocean data collection conducted continuously between the following coordinates:
36-48-44N 122-00-00W
34-36-36N 130-05-54W
The Wave glider carries no fuel, lubricants or hydrocarbons. It is wave powered and piloted from Liquid Robotics in Sunnvale, CA, moving at speeds of ~1kt, and designed to give way or part if encountered by a vessel. It is approximately 10′ in length, copper/black in color, with a contact plaque and mast extending 3' above the water surface, supporting a flag. Mariners are requested to transit the area with caution. For more details or comments contact Liquid Robotics Operation Center at 408-636-4205 or by email at support@liquidr.com.

Charts: 18007 18680 LNM: 07/20

NORTHERN CALIFORNIA-MOSS LANDING-WAVEGLIDER DATA COLLECTION

The Jupiter research Foundation in collaboration Monterey Bay Aquarium Research Institute (MBARI) is conducting 24 hours per day 7 days a week autonomous, unmanned maritime vehicle operations of two Liquid Robotics, Inc. Wavegliders until 15 Jul 20. Vehicles will be deployed in the vicinity of Moss Landing that will operate continuously between latitudes 35-07-14N and 37-12-00N and will extend shoreward as far West as 122-58-35W. Operations consist of scientific ocean data collection. The Waveglider carries no fuel, lubricants or hydrocarbons. It is wave powered and remotely attended from MBARI, moving at speeds of ~1kt, and designed to give way or part if encountered by a vessel. It is approximately 6.5' x 2' (surfboard size), yellow in color, with a contact plaque and mast extending 3' above the water surface, supporting a flag. Mariners are requested to transit the area with caution. For more details or comments contact JRF operations at 650-947-9920, or Liquid Robotics 24/7 WGOC Operations at 888-574-4574.

Charts: 18772 18773 LNM: 10/20

NORTHERN CALIFORNIA-MOSS LANDING-WAVEGLIDER DATA COLLECTION

Monterey Bay Aquarium Research Institute (MBARI) is conducting 24 hours per day 7 days a week autonomous, unmanned maritime vehicle operations of two Liquid Robotics, Inc. Wavegliders until 30 Jun 20. Vehicles will be deployed in the vicinity of Moss Landing that will operate continuously between latitudes 35-07-12N and 37-12-00N and will extend shoreward as far West as 122-58-35W. Operations consist of scientific ocean data collection. The Waveglider carries no fuel, lubricants or hydrocarbons. It is wave powered and remotely attended from MBARI, moving at speeds of ~1kt, and designed to give way or part if encountered by a vessel. It is approximately 6.5' x 2' (surfboard size), yellow in color, with a contact plaque and mast extending 3' above the water surface, supporting a flag. Mariners are requested to transit the area with caution. For more details or comments contact MBARI at 831-775-1700, waveglider@listserver.mbari.org or Liquid Robotics 24/7 WGOC Operations at 888-574-4574.

Chart 18685 LNM: 51/19

NORTHERN CALIFORNIA-OFFSHORE MONTEREY BAY-BUOY DEPLOYMENT

NOAA has deployed two research buoys at the following coordinates:
36-07-03N 125-08-00W
36-01-40N 125-06-21W
These are 3′ yellow octagonal research buoys with Fl W 4s light characteristics. Mariners are requested to transit the area with caution. For more details or comments contact Danny Devereaux at 206-526-6177.

Charts: 501 18010 18020 18022 LNM: 37/19

NORTHERN CALIFORNIA-OFFSHORE MONTEREY BAY-BUOY DEPLOYMENT

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

Chart 18010 LNM: 44/19

NORTHERN CALIFORNIA-PETALUMA RIVER-BRIDGE

BLACKPOINT RAILROAD DRAWBRIDGE-The upstream fender system protecting the swing span has been destroyed and does not offer protection for vessels or the bridge. Mariners are urged to use caution while transiting the bridge.

BLACKPOINT HIGHWAY 37 BRIDGE-The fenders channelward side of the western pier are damaged. Estimated time of repair unknown.

For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18654 LNM: 10/18

NORTHERN CALIFORNIA-PINOLE SHOAL-SHOALING

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

NORTHERN CALIFORNIA-PINOLE SHOAL-SHOALING

Charts: 18654 18655 LNM: 05/19

NORTHERN CALIFORNIA-RICHARDSON BAY-MARINE CONSTRUCTION

Salt River Construction Corporation will be assisting with marine construction at a private residence in Richardson Bay, CA until 20 Dec 21. M/B YC42, C/B ALASKA, C/B MINK, along with the tug BRANDY BAR will be conducting operations. A mooring location will be located at 37-51-57N 122-27-54W. All vessels will monitor VHF-FM Chan. 13, 14, and 77. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

Charts: 18649 18653 LNM: 50/19

NORTHERN CALIFORNIA-SACRAMENTO RIVER-MARINE CONSTRUCTION

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

Chart 18649 LNM: 41/19

NORTHERN CALIFORNIA-SACRAMENTO RIVER-REDUCED VERTICAL CLEARANCE

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

Chart 18660 LNM: 22/16

NORTHERN CALIFORNIA-SACRAMENTO-PARTIALLY SUNKEN VESSEL

The Coast Guard has received a report of a 25' partially submerged pleasure craft on the North side of the I Street Bridge in Sacramento, CA, at approximate position 38-35-26N, 121-30-22W. Mariners are requested to transit the surrounding area with caution. For more details or comments contact LT Jennae Cotton at 415-399-3585.

Chart 18662 LNM: 09/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

GOLDEN GATE BRIDGE-Four 54' temporary under deck platforms; one 225' and one 1675' north of the south tower and one 225' and one 1675' south of the north tower have been installed at the bridge. Temporary platforms reduce vertical clearance at the bridge by no more than 14'. As the work progresses, the two outer platforms will be moved towards the towers and the two inner platforms moved towards the centerline of the bridge. The bridge's maintenance travelers are in use during the project and will remain outboard of the furthest north and furthest south temporary platforms. The temporary platforms and maintenance travelers are lighted at night with all-round red lights (see PlatformLighting_GG_Bridge.pdf) at the end of this notice to see the lighting plan and locations of the temporary platforms). 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: 01/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

SAN MATEO/HAYWARD BRIDGE-Structural repairs to the superstructure of the bridge are being conducted from 0700 to 1530, Monday through Friday, through 15 May 22. Work will be conducted at piers 13 through 18 and at piers 21 through 29. At no time will work or equipment be placed in the main navigation span of the bridge, piers 19-20. Various size barges will be used during the project, the largest being a 100' X 20' flexifloat barge. Barges will either be spudded down or tied to the bridge piers, no anchors or anchor line will be utilized. For the safety of navigation, the barges can be moved with one-hour advance notice. After the workday barges will be left on-scene/unmanned. For conditions at the bridge mariners can contact Golden State Bridge, Inc., on VHF-FM Marine Radio Channels 13, 14, and 16 or by cell phone at 707-246-0725, 925-260-2104, or 925-382-7288. For more details or comments contact the Coast Guard Bridge Office at 510-219-4366.

Chart 18651 LNM: 15/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-CHINA BASIN-BRIDGE

THIRD STREET DRAWBRIDGE-The drawspan is secured in the closed-to-navigation position for rehabilitation through 30 Apr 20. For more details or comments, contact the Coast Guard Bridge Office at 510-437-3461.

Chart 18649 LNM: 15/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-DETERIORATING CONCRETE PILINGS

Deteriorating concrete pilings above and below the waterline are present in the vicinity of the the south edge of Southampton Shoal Light (LLNR 5480). Mariners are requested to transit the area with caution. For more details or comments contact LT Ruth Sadowitz at 510-437-3801 or ruth.a.sadowitz@uscg.mil.

Chart 18649 LNM: 23/15

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-MARINE CONSTRUCTION

Dutra Construction Company will conduct marine construction in the vicinity of Alameda point at 37-47-49N 122-19-53W during daylight hours until 31 May 20. Crane barge 20, along with a work boat and small skiffs will be utilized during operations. All vessels will monitor VHF-FM Chan. 09, 16, and 68A. Mariners are requested to transit the area with caution. For more details or comments contact Jacob Burke at 415-720-7012.

Chart 18649 LNM: 05/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-MARINE CONSTRUCTION

Power Engineering Construction Company is conducting marine construction of the Treasure Island Ferry Terminal and north breakwater in San Francisco Bay, CA daily from 0600-1700 until 31 Dec 20. DB PACIFIC and RINGER will be on scene conducting operations and will utilize temporary anchorage locations at the following coordinates:
34-49-05N 122-22-24W
37-49-02N 122-22-22W
37-49-00N 122-22-21W
37-48-58N 122-22-37W

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-MARINE CONSTRUCTION

37-48-55N 122-22-32W
37-48-54N 122-22-31W
37-48-53N 122-22-28W

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

Charts: 18649 18650 LNM: 38/19

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

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

Chart 18650 LNM: 16/15

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-PETALUMA RIVER

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

Chart 18654 LNM: 41/18

NORTHERN CALIFORNIA-SAN FRANCISCO-GEOPHYSICAL SURVEY

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

Charts: 18680 18685 LNM: 07/20

NORTHERN CALIFORNIA-SAN JOAQUIN RIVER-MARINE CONSTRUCTION

California Department of Water Resources will be conducting construction of agricultural barriers from 01 May 20 until 01 Jun 20 at the following locations:
Old River near Tracy barrier 37-53-08N 121-28-56W
Middle River near Tracy Barrier 37-48-36N 121-32-35W
Grant Line Canal Barrier 37-49-10N 121-26-54W
A small aluminum boat will be on site for day to day operations. For more details or comments contact Jacob McQuirk at 916-653-9883 or cell 916-524-6645.

Chart 18661 LNM: 15/20

NORTHERN CALIFORNIA-SAN LEANDRO BAY-BRIDGE

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

Chart 18649 LNM: 37/18

NORTHERN CALIFORNIA-SAN PABLO BAY-SUBMERGED OBSTRUCTION

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

Charts: 18654 18655 LNM: 47/17

NORTHERN CALIFORNIA-SANTA CRUZ-HAZARDOUS CONDITIONS

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

Chart 18685 LNM: 46/17

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

The United States Navy, Naval Postgraduate School, Oceanography Department have deployed sub-surface oceanographic instrument moorings until 01 Nov 21. These sub-surface moorings are part of the Monterey Bay and Channel Islands Sound Scape Monitoring Project. These sub-surface moorings are located at the following coordinates:
36-47-53N 121-58-34W
36-38-53N 121-54-30W
34-02-38N 121-54-30W
34-05-08N 120-31-24W
33-50-56N 120-07-06W
34-01-06N 119-19-00W
36-22-13N 122-18-53W
Mariners are requested to transit the area with caution. For more details or comments contact Keith Wycoff at 831-656-2567.

Charts: 18685 18700 18720 LNM: 48/18

NORTHERN CALIFORNIA-SUISUN MARSH-BOAT LOCKS

The California Department of Water Resources have installed flashboards across the maintenance channel at the Suisun Marsh Salinity Control

NORTHERN CALIFORNIA-SUISUN MARSH-BOAT LOCKS

Structure, located 2.2 nm from the easterly end of Montezuma Slough at 38-05-36N 121-53-07W. The boat lock will operate daily from 0700-1700 until 31 May 20. Signs and lights are currently posted to warn vessels to avoid the use of the maintenance channel on the east side of the facility. The boat lock signal is a standard traffic light. Whistle signals to request opening are two prolonged blasts followed by two short blasts. VHF-FM Chan. 13 will be monitored during hours of operation. The boat lock is located on the east side of the channel and provides the following clearances: 16 feet horizontally; 9' over the sill at MLLW; 70' in length between sector gates; and no vertical impairment. The piers will be marked by fixed red lights, and other parts of the structure will be marked by fixed yellow lights. Mariners should be aware a shoal area exists along the east bank on both sides of the structure extending approximately 50' out from the existing levee. Marker buoys have been placed to identify the area. Mariners are requested to transit the area with caution and be advised that the Salinity Control Structure operations can at times create currents at the site greater than currents in other areas of Montezuma Slough. For more details or comments contact Reza Shahcheraghi at 916-574-2299.

Chart 18656 LNM: 39/19

SOUTHERN CALIFORNA-SAN PEDRO CHANNEL–BOEING XL USV OPERATIONS

Boeing will conduct sea trials for an extra-large unmanned under sea vehicle (USV) called ECHO VOYAGER in the vicinity of the San Pedro Channel and Northeast of Santa Catalina Island until 31 Jul 20 in the areas bound by the following coordinates:
OPAREA 1:
33-42-25N 118-19-55W
33-39-43N 118-21-36W
33-41-13N 118-24-37W
33-43-48N 118-22-48W
OPAREA 3:
33-26-33N 118-26-55W
33-25-33N 118-23-59W
33-25-35N 118-21-19W
33-29-14N 118-18-35W
33-31-34N 118-23-31W
33-28-10N 118-26-55W
M/V AMERICAN ISLANDER and Range Boat SB2 will be on scene and monitoring VHF-FM Chan. 16. Mariners are requested to keep 500 yds distance from the USV and M/V AMERICAN ISLANDER. Mariners are requested to transit the area with caution. For more details or comments contact the project manager Ross Peterson at 714-262-1580.

Chart 18022 LNM: 44/19

SOUTHERN CALIFORNIA-CATALINA ISLAND-BUOY DEPLOYMENT

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

Charts: 18746 18757 LNM: 47/19

SOUTHERN CALIFORNIA-DEL MAR NEARSHORE-BUOY DEPLOYMENT

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

Charts: 18740 18765 LNM: 50/19

SOUTHERN CALIFORNIA-ENCINITAS-DREDGE OPERATIONS

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

Chart 18774 LNM: 02/18

SOUTHERN CALIFORNIA-ESTERO BLUFFS STATE PARK-SUBMERGED ANCHOR CABLE

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

Chart 18703 LNM: 43/17

SOUTHERN CALIFORNIA-HUNTINGTON BEACH-BUOY DEPLOYMENT

Surfline Inc. have deployed a wave data buoy offshore Huntington Beach, CA at position 33-38-44N 118-01-06W and will remain on scene until 29 Apr 20. This will be a yellow 16” x 12” wave buoy with a flashing amber light characteristic. Mariners are requested to transit the area with caution. For more details or comments contact Ryan Starr at 609-839-2886.

Chart 18746 LNM: 44/19

SOUTHERN CALIFORNIA-IMPERIAL BEACH-WAVERIDER BUOY

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

Chart 18765 LNM: 35/18

SOUTHERN CALIFORNIA-LONG BEACH HARBOR-GEOTECHNICAL DRILL TESTING

Gregg Drilling and Testing will conduct drilling operations at the port of Long Beach Harbor, CA at 33-46-00N 118-13-15W and 33-46-11N 118-13-20W, 0700-1900 until 18 Apr 20. The R/V QUIN DELTA will be on scene conducting operations and monitoring channels VHF-FM Chan. 13, 16, and 74. Mariners are requested to stay clear by 100’ and transit the area with caution. For more details and comments contact Captain Tim O’Donnell

SOUTHERN CALIFORNIA-LONG BEACH HARBOR-GEOTECHNICAL DRILL TESTING
at 949-254-5190 or BEARatSEA@gmail.com.
Chart 18751 LNM: 12/20

SOUTHERN CALIFORNIA-LONG BEACH HARBOR-MARINE CONSTRUCTION
Jilk Heavy Construction Co. will conduct marine construction in the Port of Long Beach, CA for Pier G Berths G12-G15 at 33-44-52N 118-12-22W, 24 hours per day 7 days a week until 31 Oct 20. Work skiffs will be on scene assisting with operations and will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Chad Goodwin 310-505-3903.
Chart 18751 LNM: 10/20

SOUTHERN CALIFORNIA-LONG BEACH HARBOR-MARINE CONSTRUCTION
Manson Construction Co. will conduct marine construction in Port of Long Beach, CA at 33-45-06N 118-12-41W, 24 hours per day 6 days a week until 20 Aug 20. All material will be disposed of at the Western Anchor Sediment Storage Site (WASSS) at 33-43-21N 118-13-11W. Tug ELMER and 01 scow will be on scene conducting operations and will monitor VHF-FM Chan. 16 and 66. Mariners are requested to transit the area with caution. For more details or comments contact Steven Marquez at 562-756-6689.
Chart 18751 LNM: 14/20

SOUTHERN CALIFORNIA-LONG BEACH HARBOR-MARINE CONSTRUCTION
Dutra Construction Company will conduct marine construction in the Port of Long Beach, CA at the Carnival Cruise Lines Wharf H, 7 days a week during daylight hours until 20 Aug 20. DB WILLIAM F, DB WILLIAM G, and small skiffs will be utilized during operations. Barges will be spudded within the following coordinates:
33-45-16N 118-11-17W
33-45-11N 118-11-05W
33-44-54N 118-11-09W
33-44-54N 118-11-22W
All vessels will monitor VHF-FM Chan. 09, 16, 77, and 80A. Mariners are requested to transit the area with caution. For more details or comments contact Dutra Construction at 415-300-5336.
Charts: 18746 18749 18751 LNM: 03/20

SOUTHERN CALIFORNIA-LOS ANGELES-BUOY DEPLOYMENT
The Sanitation Districts of Los Angeles County have deployed two moorings located on the Palos Verdes Shelf at 33-46-04N 118-25-59W and 33-42-43N 118-20-01W until 20 Apr 20. The moorings have a surface buoy system that consists of a 6′ spar approximately 2″ in diameter with wraps of SOLAS reflective marine tape and a fluorescent orange radar reflector mounted at the top. Mariners are requested to transit the area with caution. For more details or comments contact Brent Haggin at 562-908-4288 ext. 5672.
Chart 18746 LNM: 04/20

SOUTHERN CALIFORNIA-LOS ANGELES-MARINE CONSTRUCTION
Tetra Tech Inc. will conduct marine construction in Alamitos Bay, CA at 33-45-09N 118-07-27W, Monday thru Friday 0700-1600 until 01 Sep 20. Crane barge MEEK will conduct operations and will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Steven Arteaga at 909-762-2243.
Chart 18749 LNM: 39/19

SOUTHERN CALIFORNIA-LOS ANGELES-MARINE EVENT
Cabrillo Beach Yacht Club will sponsor the Wet Wednesday sailboat race in Los Angeles Harbor, CA every Wednesday from 1700-2000, until 30 Sep 20. 40 sailing vessels 20′-40′ in length will race between Angels Gate and Cabrillo Marina. Mariners are requested to transit the area with caution. For more details or comments contact Jonathan Mitsumori at 949-291-9050.
Charts: 18746 18749 LNM: 08/20

SOUTHERN CALIFORNIA-MONTEREY BAY-WAVE GLIDER
The Jupiter Research Foundation (JRF) in collaboration with Monterey Bay Aquarium Research Institute (MBARI) will be conducting 24/7 autonomous, unmanned maritime vehicle operations of four Liquid Robotics, Wave Gliders (www.liquidr.com) until 15 Jul 2020. We plan to deploy the vehicles in the vicinity of Moss Landing that will operate continuously between latitudes 35-07-14' N and 37-12-00' N and will extend shoreward from as far West as 124 W longitude. Operations consist of scientific ocean data collection. Wave Glider carries no fuel, lubricants, or hydrocarbons, is wave powered, remotely attended from JRF or Liquid Robotics Wave Glider Operations Center (WGOC), moving at speeds of approximately 1.5kt, and designed to give way or part if encountered by a vessel transmitting AIS. It is approximately 10' x 2' (surfboard size), green/copper in color, with a contact plaque and mast extending 1 meter above the water surface supporting a flag. Mariners are advised to use caution when transiting the area. For further information, authorities and mariners can contact JRF operations at +1-650-947-9920, or Liquid Robotics 24/7 WGOC Operations at 888-574-4574, +1 408-636-4205.
Chart 18700 LNM: 12/20

SOUTHERN CALIFORNIA-OFFSHORE LOS ANGELES-MARINE AIR OPERATIONS
RSG Rotocraft Services Group is conducting marine air operations offshore Los Angeles, CA until 30 Apr 20. Operations will be conducted between the following coordinates:
33-10-00N 117-35-00W
33-09-00N 117-28-00W
A support vessel will be utilized during operations and will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Craig Werley at 607-821-9542.
Chart 18774 LNM: 11/20

SOUTHERN CALIFORNIA-OFFSHORE LOS ANGELES-MARINE CONSTRUCTION
Connolly Pacific is conducting marine construction offshore Los Angeles, CA at 33-43-17N 118-20-43W for the Bunker Reef restoration project during daylight hours until 31 Oct 20. Three offshore 6x12" cylinder can moorings with steady burning all-round white lights will be utilized during operations. DB LONG BEACH and support tugs LARCONA or PATCONA II will be on scene monitoring VHF-FM Chan. 16 and 79A. Mariners are

SOUTHERN CALIFORNIA-OFFSHORE LOS ANGELES-MARINE CONSTRUCTION

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

Charts: 18740 18746 LNM: 13/20

SOUTHERN CALIFORNIA-OFFSHORE SAN DIEGO-SAN CLEMENTE ISLAND-HAZARDOUS OPERATIONS

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

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

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

Charts: 18740 18762 LNM: 04/20

SOUTHERN CALIFORNIA-POINT CONCEPTION-WAVERIDER BUOY

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

Charts: 18700 18720 18721 LNM: 41/18

SOUTHERN CALIFORNIA-POINT CONCEPTION-WAVERIDER BUOY

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

Chart 18700 LNM: 41/18

SOUTHERN CALIFORNIA-POINT MUGU-BUOY DEPLOYMENT

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

Charts: 18720 18725 LNM: 26/18

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

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

Chart 18749 LNM: 13/20

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

VINCENT THOMAS BRIDGE-Painting of the under deck of the bridge continues. A 180' long platform is being erected below low steel of the bridge, just to the east of the west channel margin red light, reducing vertical clearance by 5' 4". Once a 90' section is complete, that section of the platform will be moved to the east, in a leap frog technique. The platform will migrate towards the east until it reached 250' west of centerline of the bridge span. Each corner and every 50' along the upstream and downstream side of the platform will be lighted at night with steady burning red lights (see V_Thomas_Platform_Lighting1.pdf at the end of this notice). Work will take place during daylight hours, Monday through Friday. For conditions at the bridge mariners can contact 213-479-4138, 213-479-1144 or 310-261-9552. For more details or comments contact the Coast Guard Bridge Office at 510-437-3516.

GERALD DESMOND BRIDGE REPLACEMENT PROJECT-Main span construction at the navigation channel continues. Before transiting the bridge construction site, all vessels should contact on-scene flag vessels on VHF-FM CH 13 and 79 to determine safe passage through the site. Mariners can also contact the SFI Water Traffic Coordinator at 310-809-0162 or 702-215-9740 for passing guidance. For conditions at the construction site mariners can contact the SFI Water Traffic Field Coordinator at 424-230-9925. See GDB_Channel_Safety_Flyer.pdf in the enclosure section of the notice for Safety Boat Contact Information. For more details view the website, www.NewGDBridge.com/Waterway, or contact the Coast Guard Bridge Office at 510-437-3516.

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

Chart 18749 LNM: 33/19

SOUTHERN CALIFORNIA-SAN CLEMENTE ISLAND-SAFETY ZONES

Mariners operating in the vicinity of San Clemente Island are reminded of the restricted waterway access surrounding San Clemente Island (33 CFR 165.1131; 33CFR 165.1141). Since the inception of the regulations, numerous safety zone violations have been processed by Coast Guard Sector San Diego. Safety Zone Incursions put the public at risk and cause costly and unnecessary training delays, as well as range cancellations. Violators of the San Clemente Island Safety and Security Zones are subject to monetary penalties. Criminal penalties may also be issued for repeated Safety and/or Security Zone violations. Failure to comply with the federal regulations could result in civil penalties of up to $90,901.00.
Furthermore, if a mariner holds a Merchant Mariner Credential, suspension or revocation action may be pursued against the mariner's credential.
For more details see MSSB 02-16 SCI Safety Zone.pdf in the enclosure section.

Chart 18762 LNM: 41/16

SOUTHERN CALIFORNIA-SAN DIEGO BAY-BRIDGE

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

Charts: 18772 18773 LNM: 13/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-DREDGE OPERATIONS

R.E. Staite Engineering Inc. is conducting maintenance dredge operations at Naval Base Point Loma in San Diego Bay, CA at 32-41-18N 117-14-02W until 30 Apr 20. Operations will be conducted by DB PALOMAR, RES 180, CLARENCE D, HAROLD M, RES 3001, RES 3002 along with tugs KILEEN and CUYAMACA. All vessels will monitor 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: 43/19

SOUTHERN CALIFORNIA-SAN DIEGO BAY-DREDGE OPERATIONS

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

Chart 18773 LNM: 12/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

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

Charts: 18772 18773 LNM: 10/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

The Port of San Diego will conduct marine construction at Tuna Harbor Dock #1 located in San Diego Bay, CA at 32-42-32N 117-10-19W 31 May 20. All vessels on scene will monitor VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution and to minimize wake after making passing arrangements. For more details or comments contact Timothy Barret at 619-686-6544 or Rudy Zelayah at 619-686-6230.

Chart 18773 LNM: 11/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

R.E. Staite Engineering Inc. will conduct marine construction at NASSCO Berths 09 and 10 at position 32-41-04N 117-08-24W from 05 May 20 until 31 Dec 20. DB PALOMAR along with push boat JEANIE R will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773 LNM: 15/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

The Port of San Diego will conduct marine construction in San Diego Bay, CA at 32-43-37N 117-11-11-16W until June 2020. Work areas will be marked with 3' diameter buoys at the following coordinates:
32-43-40N 117-11-11W
32-43-37N 117-11-15W
32-43-37N 117-11-26W
A 16' small craft along with kayaks will be conducting operations and will monitor VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution and to minimize wake after making passing arrangements. For more details or comments contact Timothy Barrett at 619-686-6544.

Chart 18773 LNM: 43/19

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

Marathon Construction Corporation is conducting demolition and repair of Naval Base San Diego Pier 1 in position 32-39-44N 117-07-17W, until April 2020. A 60'x120' crane spud barge will be spudded and anchored adjacent to Pier 1. A 50'x100' material spud barge, 30'x60' material barge, and 28'x90' material barge will be moored next to the crane barge on site. The crane barge will have deployed anchors and anchor buoys. Mariners are requested to transit at their slowest safe speed to minimize wake and proceed with caution when passing. For more details or comments contact Marathon Construction's project manager Tim Meyer 619-843-8975.

Chart 18773 LNM: 19/19

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

R.E. Staite Engineering Inc. is conducting marine construction at Huntington Ingalls Industries-Pier 7 Marginal Wharf at 32-41-36N 117-09-04W

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

until 31 Aug 20. Vessels DB PALOMAR, RES 180, JOHN DRAKE, JEANIE R, and tug CUYAMACA will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773 LNM: 50/19

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

The Port of San Diego will conduct marine construction at Tuna Harbor Dock #1 and #3 located in San Diego Bay, CA at 32-42-42N 117-10-22W from 30 Apr 20 until 31 May 20. All vessels on scene will monitor VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution and to minimize wake after making passing arrangements. For more details or comments contact Timothy Barret at 619-686-6544 or Shane Peterson at 619-686-6050.

Chart 18773 LNM: 11/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

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

Charts: 18772 18773 LNM: 14/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

R.E. Staite Engineering Inc. will conduct marine construction at NASSCO berths 03 and 04 at position 32-41-08N 117-08-10W from 11 May 20 until 30 Jun 20. CB RES 150 along with push boat JEANIE R will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773 LNM: 15/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

R.E. Staite Engineering Inc. will conduct marine construction at the San Diego Bay, CA waterfront at position 32-41-08N 117-08-10W from 04 May 20 until 30 Jun 20. DB PALOMAR along with push boat JEANIE R will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773 LNM: 15/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION

R.E. Staite Engineering Inc. will conduct marine construction at NASSCO Graving Dock Cofferdam berth at position 32-41-08N 117-08-24W from 04 May 20 until 15 Jul 20. CB AMERICAN 11320 along with push boat JEANIE R will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.

Charts: 18772 18773 LNM: 15/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-NAVY ESTUARY-BRIDGE

NORTH HARBOR DRIVE BRIDGE-The north side green center channel light and the red pier light on the north side of pier 4 is extinguished.

NIMITZ PEDESTRIAN BRIDGE-The red pier light on the south side of pier 5 is extinguished.

Estimated time of repair is unknown. For more details or comments contact the Coast Guard Bridge Office at 510-437-3514.

Charts: 18772 18773 LNM: 04/20

SOUTHERN CALIFORNIA-SAN DIEGO RIVER-BRIDGE

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

Chart 18765 LNM: 34/19

SOUTHERN CALIFORNIA-SAN DIEGO-OCEANOGRAPHIC SURVEY-OCEAN MONITORING

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

1.
32-31-55N 117-11-11W
32-32-11N 117-11-58W
32-32-04N 117-12-07W
32-32-33N 117-11-56W

2.
32-40-10N 117-19-23W
32-40-05N 117-19-34W
32-39-37N 117-19-32W
32-39-57N 117-19-39W
32-40-11N 117-16-56W

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

Charts: 18765 18772

SOUTHERN CALIFORNIA-SAN DIEGO-OCEANOGRAPHIC SURVEY-OCEAN MONITORING

LNM: 46/19

SOUTHERN CALIFORNIA-SAN DIEGO-OCEANOGRAPHIC SURVEY-OCEAN MONITORING

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

32-31-55N 117-11-11W
32-32-11N 117-11-58W
32-32-04N 117-12-07W
32-32-33N 117-11-56W

32-40-10N 117-19-23W
32-40-05N 117-19-34W
32-39-37N 117-19-32W
32-39-57N 117-19-39W
32-40-11N 117-16-56W

The M/V OCEANUS and M/V MONITOR III when in the area will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Mike Kelly at 619-758-2342.

Charts: 18765 18772

LNM: 22/17

SOUTHERN CALIFORNIA-SAN DIEGO-UAV OPERATIONS

Liquid Robotics (www.liquid-robotics.com) and Scripps Institute of Oceanography will conduct continuous autonomous, unmanned maritime vehicle operations until 31 Jul 20, in an area bounded by the following coordinates:

33° 29' 24" N, 117° 46' 11" W
31° 37' 52" N, 123° 3' 10" W
30° 59' 40" N, 122° 39' 2" W
32° 55' 47" N, 117° 23' 24" W

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

Chart 18765

LNM: 13/20

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

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

Chart 18720

LNM: 42/19

SOUTHERN CALIFORNIA-SANTA CATALINA ISLAND-MARINE CONSTRUCTION

Connolly Pacific is conducting marine construction and rock loading operations at Empire landing Quarry on Santa Catalina Island, CA during daylight hours from 20 Apr 20 until 31 Oct 20. Two offshore 6x12" cylinder can moorings with steady burning all-round white lights will be utilized during operations. DB LONG BEACH and support tugs LARCONA or PATCONA II will be on scene monitoring VHF-FM Chan. 16, and 79A. Mariners are requested to transit the area with caution. For more details or comments contact Justin Chin Wong at 562-577-0717.

Chart 18661

LNM: 15/20

SOUTHERN CALIFORNIA-SANTA CATALINA ISLAND-MARINE CONSTRUCTION

Connolly Pacific will conduct marine construction offshore San Clemente Pier, CA for the Wheel North Reef expansion project during daylight hours from 01 May 20 until 31 Sep 20. Three offshore 6x12" cylinder can moorings with steady burning all-round white lights will be utilized during operations. DB LONG BEACH and support tugs LARCONA or PATCONA II will be on scene monitoring VHF-FM Chan. 16, 77, and 79A. Mariners are requested to transit the area with caution. For more details or comments contact Justin Chin Wong at 562-577-0717.

Chart 18774

LNM: 15/20

SOUTHERN CALIFORNIA-SANTA CRUZ ISLAND-MARINE CONSTRUCTION

John S. Meek Co. Inc. will conduct marine construction at Scorpion Pier located on Santa Cruz Island, CA. Work will be conducted 7 days a week, from 0600-1700 until 30 Jun 20. Barges EEL POINT, ABALONE POINT, or ANNA LEE along with tugs PACIFIC FREEDOM, N. TILLET, JM HIDALGO, KELLY C, and SARAH C will be on scene monitoring VHF-FM Chan. 72. Mariners are requested to transit the area with caution. For more details or comments contact Jeremy Kehoe at 310-830-6323.

Charts: 18720 18721 18729

LNM: 43/19

USCG NAVIGATION RULES AND REGULATIONS HANDBOOK AMENDMENT NOTIFICATION

USCG Navigation Rules and Regulations Handbook, 2014 Edition
Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 published non-substantive technical, organizational, and conforming amendments to existing Coast Guard regulations. Included were changes to:

Vessel Bridge-to-Bridge Radio Telephone Regulations (33 CFR § 26)
COLREGS Demarcation Lines (33 CFR § 80)
72 COLREGS Implementing Rules (33 CFR § 81)
Inland Navigation Rules (33 CFR § 83)

USCG NAVIGATION RULES AND REGULATIONS HANDBOOK AMENDMENT NOTIFICATION
Inland Navigation Rules – Implementing Rules (33 CFR § 89)
Vessel Traffic Management (33 CFR § 161)

All of these rules are represented in the U.S. Coast Guard Navigation Rules and Regulations Handbook. These changes are outlined as originally published in Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 as well as enclosure ( ) to this Local Notice to Mariners. (See enclosure (USCG Ammendment_2020 at the end of this notice). Questions may be directed to the Office of Navigation Systems at CGNAV@uscg.mil.

LNM: 10/20

SECTION VIII - LIGHT LIST CORRECTIONS

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

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

None

PUBLICATION CORRECTIONS

None

ENCLOSURES

REPORT OF DELAY AT DRAWBRIDGE

Delay_Report_11-2017.pdf
Use link above to Report a Delay at a Drawbridge.

LNM: 06/07

NOAA DISCONTINUANCE OF TIDE TABLES AND TIDAL CURRENT TABLES PUBLICATIONS

NOAA Discontinuance Notice.pdf
See enclosure above.

LNM: 11/20

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

GDB_Channel_Safety_Flyer.pdf
See link above for safety flyer for vessels during Gerald Desmond Bridge Replacement over-the-channel work.

LNM: 29/19

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

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-AIR DRAFT AWARENESS

Air draft marine safety bulletin.pdf
See link above.

LNM: 40/18

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-MSIB

MSIB 20-01.pdf
Dike, Jetty, & Pier Situational Awareness. See link above.

LNM: 07/20

NORTHERN CALIFORNIA-SOUTHERN CALIFORNIA-REDUCE WHALE STRIKES

Reduce Whale Ship Strike.pdf
See enclosure above.

LNM: 41/19

SAN CLEMENTE ISLAND-SAFETY ZONES

San Clemente Safety Zone.pdf
See link above for Maritime Safety and Security Bulletin 001-19.

LNM: 49/19

USCG NAVIGATION RULES AND REGULATIONS HANDBOOK AMMENDMENT NOTIFICATION

USCG Ammendment_2020.pdf
See enclosure above.

LNM: 10/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

PlatformLighting_GG_Bridge.pdf
GOLDEN GATE BRIDGE-Temporary Platform Location and Lighting revised 17 Mar 20.
Chart 18749

LNM: 13/20

NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE

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

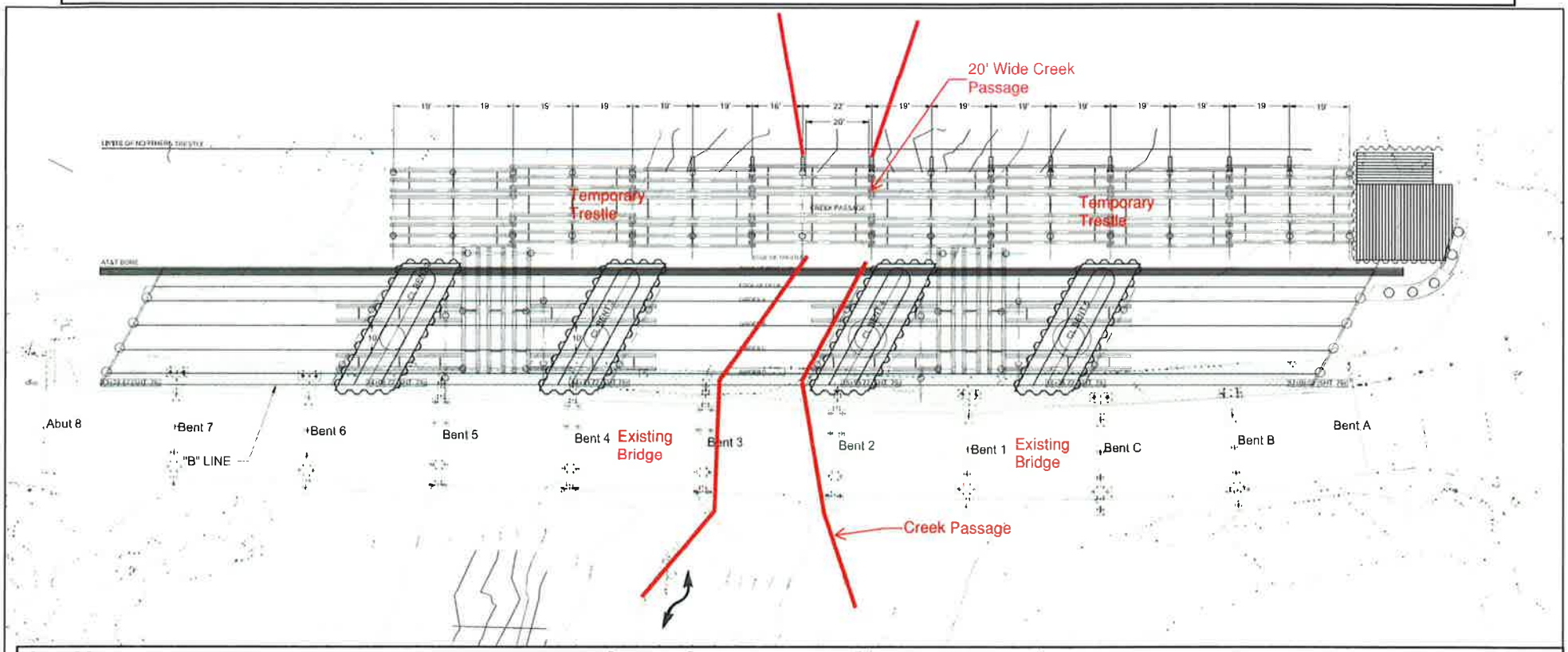
LNM: 29/18

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

THOMPSON.BRETT.J.1186968197 Digitally signed by THOMPSON.BRETT.J.1186968197 Date: 2020.04.15 11:32:11 -07'00'

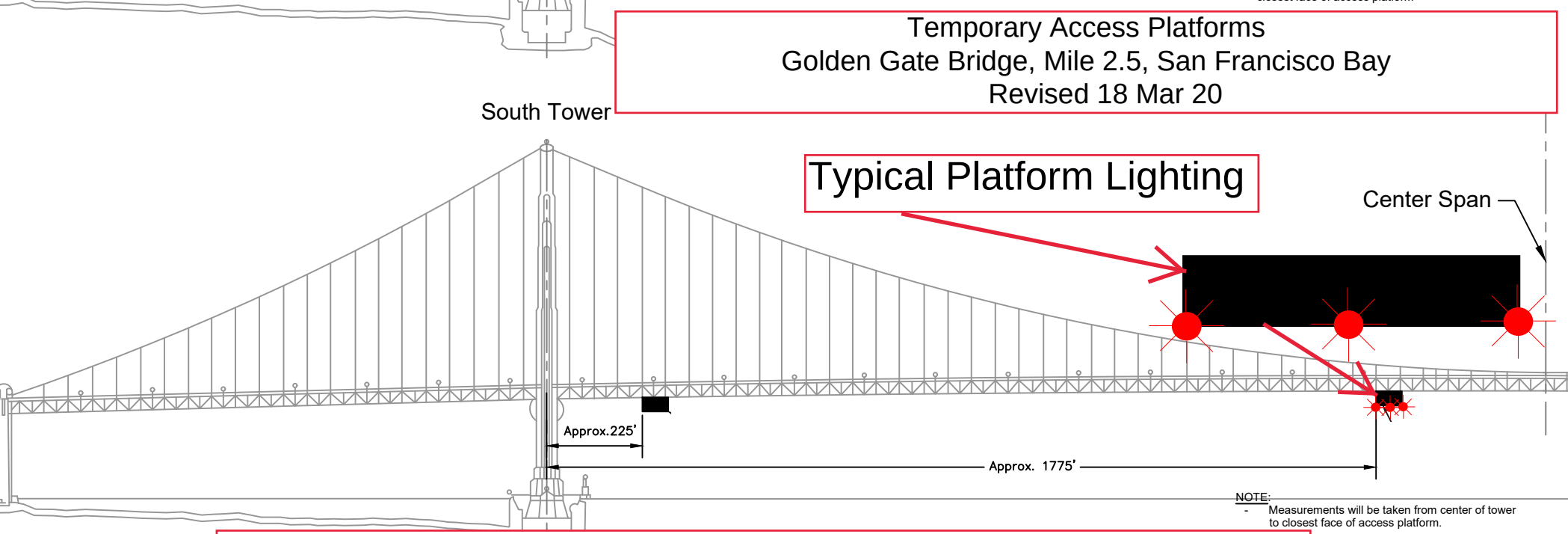
B.J. Thompson, CDR
U.S. Coast Guard
Chief Waterways Management Branch

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



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

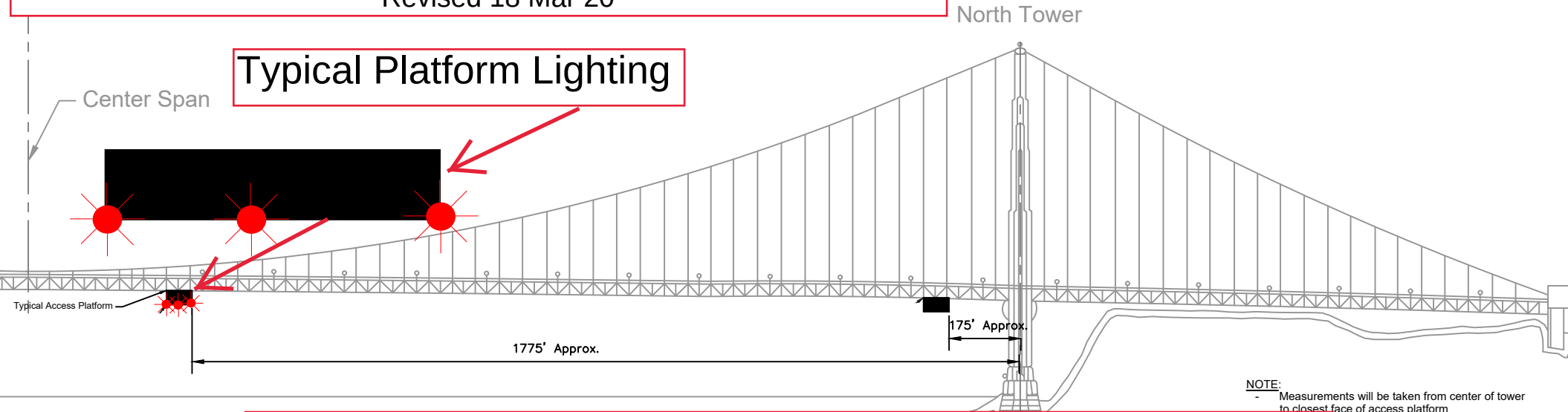
Temporary Access Platforms
Golden Gate Bridge, Mile 2.5, San Francisco Bay
Revised 18 Mar 20



NOTE:
- Measurements will be taken from center of tower to closest face of access platform.

Four 54 ft wide temporary platforms are installed in the main span below low steel of the bridge, 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 platform will be lighted at night with steady burning red lights visible at 2,000 yards by approaching vessels.

Temporary Access Platforms
Golden Gate Bridge, Mile 2.5, San Francisco Bay
Revised 18 Mar 20



NOTE:
- Measurements will be taken from center of tower to closest face of access platform

Four 54 ft wide temporary platforms are installed in the main span below low steel of the bridge, 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 platform will be lighted at night with steady burning red lights visible at 2,000 yards by approaching vessels.

USCG Navigation Rules and Regulations Handbook, 2014 Edition

Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 published non-substantive technical, organizational, and conforming amendments to existing Coast Guard regulations. Included were changes to:

Vessel Bridge-to-Bridge Radio Telephone Regulations (33 CFR § 26)
COLREGS Demarcation Lines (33 CFR § 80)
72 COLREGS Implementing Rules (33 CFR § 81)
Inland Navigation Rules (33 CFR § 83)
Inland Navigation Rules – Implementing Rules (33 CFR § 89)
Vessel Traffic Management (33 CFR § 161)

All of these rules are represented in the U.S. Coast Guard Navigation Rules and Regulations Handbook. These changes are outlined as originally published in Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 as well as enclosure ( ) to this Local Notice to Mariners.

USCG Navigation Rules and Regulations Handbook, 2014 Edition

Federal Register / Vol. 84, No. 125 / Friday, June 28, 2019 published non-substantive technical, organizational, and conforming amendments to existing Coast Guard regulations. All of these rules are represented in the U.S. Coast Guard Navigation Rules and Regulations Handbook.

PART 26—VESSEL BRIDGE-TO-BRIDGE RADIOTELEPHONE REGULATIONS

■ Revise the authority citation for part 26 to read as follows:
Authority: 14 U.S.C. 2, 33 U.S.C. 1201–1208; Pub. L. 107–295, 116 Stat. 2064; Department of Homeland Security Delegation No. 0170.1; Rule 1, International Regulations for the Prevention of Collisions at Sea.

§ 26.08 [Amended]
■ In § 26.08(a), remove the text ‘‘Marine Safety, Security and Environmental Protection’’ and add, in its place, the text ‘‘Prevention Policy’’.

PART 80—COLREGS DEMARCATION LINES

■ In § 80.750, revise paragraphs (b) and (f) to read as follows: § 80.750 Sanibel Island, FL to St. Petersburg, FL.
* * * * *
(b) A line drawn across the Charlotte Harbor entrance from position latitude 26°42.18′ N, longitude 070°41.2′ W to Port Boca Grande Light.
* * * * *
(f) A line drawn from position latitude 27°17.89′ N, longitude 082°33.55′ W to the southernmost extremity of Lido Key (position latitude 27°17.93′ N, longitude 082°33.99′ W).
* * * * *
■ In § 80.753, revise paragraphs (a) and (d) to read as follows: § 80.753 St. Petersburg, FL to the Anclote, FL.

(a) A line drawn across Blind Pass, from the seaward extremity of the Long Key jetty to the seaward extremity of the Treasure Island jetty.
* * * * *
(d) A line drawn from the northernmost extremity of Honeymoon Island to Anclote Anchorage South Entrance Light 3; thence to Anclote Key position latitude 28°10.0′ N longitude 082°50.6′ W; thence a straight line to position latitude 28°11.11′ N, longitude 082°47.91′ W.

§ 80.810 [Amended]
■ 8. In § 80.810, remove paragraphs (c) and (d); and re-designate paragraphs (e) through (h) as paragraphs (c) through (f).

PART 81—72 COLREGS: IMPLEMENTING RULES

§ 81.3 [Amended]
■ In § 81.3, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 81.5 [Amended]
■ In § 81.5(a) introductory text, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 81.9 [Amended]
■ In § 81.9 introductory text, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

PART 83—NAVIGATION RULES

§ 83.24 [Amended]
■ In § 83.24(h), after the words ‘‘exhibit the lights’’, add the words ‘‘or shapes’’.

§ 83.26 [Amended]
■ In § 83.26(f)(i), remove the word ‘‘around’’ and add, in its place, the word ‘‘round’’; in § 83.26(f)(ii)(2)(B), remove the text ‘‘(a)’’ and add, in its place, ‘‘(f)(ii)(1).’’

§ 83.27 [Amended]
■ In § 83.27(d)(iv)(1)(B) and (d)(iv)(2)(A), remove the word ‘‘around’’ and add, in its place the word ‘‘round’’.

PART 89—INLAND NAVIGATION RULES: IMPLEMENTING RULES

§ 89.3 [Amended]
■ In § 89.3, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 89.5 [Amended]
■ In § 89.5(a) introductory text, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 89.9 [Amended]
■ In § 89.9 introductory text, remove the words ‘‘Marine Safety’’ and add, in their place, the word ‘‘Prevention’’.

§ 89.27 [Amended]
■ In the section heading to § 89.27 and paragraphs (a) and (b), remove the text ‘‘24(i)’’ and add, in its place, the text ‘‘24(j)’’.

PART 161—VESSEL TRAFFIC MANAGEMENT

§ 161.2 [Amended]
■ Amend § 161.2 as follows:
a. Remove the word ‘‘sector’’ wherever it appears, and add, in its place, the word ‘‘zone’’;
b. Add definitions in alphabetical order for ‘‘Center’’ and ‘‘Published’’;
c. In the definition of ‘‘Vessel Traffic Service Area or VTS Area’’, remove the word ‘‘sectors’’ and add, in its place, the word ‘‘zones’’; and
d. In the introductory text of the definition of ‘‘VTS User’’, remove the word ‘‘area’’ and add, in its place, the word ‘‘Area’’.

§ 161.2 [Amended]
■ Amend § 161.2 Definitions - with additions to read as follows:
* * * * *
Center means a Vessel Traffic Center or Vessel Movement Center.
* * * * *
Published means available in a widely-distributed and publicly available medium (e.g., VTS User’s Manual, ferry schedule, Notice to Mariners).
* * * * *
Under *VTS User* Re-designate (a) – (b) as (1) – (2); add (3) Equipped with a required Coast Guard type-approved Automatic Identification System (AIS).

§ 161.4 Requirement to Carry the Rules. [Amended]
■ Re-designate the note at the end of the section as Note 1 to § 161.4 and revise it to read as follows:
* * * * *
Note 1 to § 161.4: These rules are contained in the applicable U.S. Coast Pilot, the VTS User’s Manual which may be obtained by contacting the appropriate VTS or downloaded from the Coast Guard Navigation Center website (https://www.navcen.uscg.gov).

§ 161.5 [Amended]
■ In § 161.5(b), remove the text ‘‘VTS Director’’ and add, in its place, the text ‘‘VTC’’.

§ 161.12 [Amended]
■ Amend § 161.12 in Table 1 to § 161.12(c) as follows:
a. In entry (10)(ii) – *Seattle Traffic*, in the ‘‘Monitoring area’’ column, remove the words ‘‘Strait of Juan de Fuca’’ and add, in their place, the words ‘‘Salish Sea’’;
b. In entry (12) – *St. Marys River*, remove the text ‘‘Mary’s’’ wherever it appears and add, in its place, the text ‘‘Marys’’; and
c. In Note 6, remove the word ‘‘sector’’ and add, in its place, the word ‘‘zone’’.

§ 161.17 [Removed and Reserved]
■ Remove and reserve § 161.17.

PART 161—VESSEL TRAFFIC MANAGEMENT (continued)

§ 161.55 [Amended]

■ Amend § 161.55 by revising paragraph (c)(3) to read as follows:

§ 161.55 Vessel Traffic Service Puget Sound and the Cooperative Vessel Traffic Service for the Juan de Fuca Region.

* * * * *

(c) * * *

(3) A vessel of less than 100 meters in length is exempt from the provisions set forth in § 161.13(b)(3) of this part.

* * * * *

§ 161.70 [Amended]

■ In entry 4 to the Table to § 161.70(d) and entry 3 to the Table to § 161.70(f), remove the word ‘‘Sector’’ and add, in its place, the word ‘‘Zone’’.

Questions may be directed to the Office of Navigation Systems at CGNAV@uscg.mil .

Maritime Safety and Security Bulletin: 001-19

Effective Date: November 1, 2019

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

SAN CLEMENTE ISLAND LIMITED ACCESS ADVISORY

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

Since the inception of the regulations, Coast Guard Sector San Diego has processed numerous safety zone violations. Safety Zone incursions put the public at risk and cause costly and unnecessary training delays, as well as range cancellations. Violators of the San Clemente Island Safety and Security Zones are subject to monetary penalties. Criminal penalties may also be issued for repeated Safety and/or Security Zone violations. Failure to comply with the federal regulations could result in civil penalties of up to $94,219 under 46 USC 70036(a). Furthermore, if a mariner holds a Merchant Mariner Credential, suspension or revocation action may be pursued against the mariner's credential.

San Clemente Island is a top strategic Department of Defense military training facility. Dangerous naval activities occur weekly to ensure deployable military forces are trained for worldwide missions (e.g. small arms training, ground and air explosive ordinance training). Mariners conducting operations around San Clemente Island must abide by Federal regulations that apply to the three NM radius around the island. Eight zones comprise the Safety and Security Zones. Restriction times are based on U.S. Navy live fire exercises. Wilson Cove Security Zone and Zone G of the Safety Zones are permanently closed. Mariners wishing to transit through Zone G must have preapproval from San Clemente Island. The U.S. Navy makes every effort to maintain a schedule in advance and minimize the restrictions to the public for water access around the island. Periods of enforcement can be found at https://www.scisland.org. Restricted access areas and times are highlighted in red and listed in the associated website chart. If a Safety Zone section is green, mariners may access the waters. Mariners are advised to contact San Clemente Island via call sign "KRAKEN" on VHF CH 82A, or call Coast Guard Sector San Diego Joint Harbor Operations Center on VHF CH16, or at (619) 278-7033 or 7656, to verify real time status of the restricted waters.

If you would like more information about the Security and Safety zones surrounding San Clemente Island, please contact the Coast Guard Sector San Diego Waterways Management Division at 619-278-7656 or by email at D11MarineEventsSD@uscg.mil

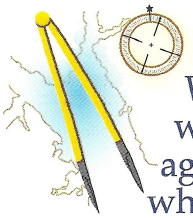
Sincerely,

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

5 things you can do TO REDUCE THE RISK OF A WHALE STRIKE

1 KNOW BEFORE YOU GO

Anticipate likely whale sightings by communicating with other mariners and subscribing to Whale Alert or other services. Find out about the seasonal movements and behavior of whales.



2 PLAN YOUR PASSAGE

With advance planning, vessels may avoid whale concentrations with a minimal increase to passage time. If travel through whale aggregations cannot be avoided, plan to reduce speed in areas where whales are likely, especially if sighting conditions are poor.

3 DISCUSS WHALE AVOIDANCE

Bridge teams that discuss in advance what actions to take when whales are sighted near the ship's path can save valuable time when these events occur. Conducting avoidance drills can also be helpful.

4 KEEP A DEDICATED WATCH

Keep a consistent lookout, focusing on whales near the path of the ship. If you see one whale, keep looking, as there are likely more nearby! Specify the information needed (bearing, estimated distance, and direction of travel). Keeping critical distances in mind may help you avoid surprises at close range. For example, if ship speed is 18 knots, the **whale with the highest chance of surfacing** off your bow was 1.7 miles ahead on its previous surfacing (or 1.4 miles at 15 knots, both assuming a 5 to 6 minute dive time). Detecting whales at a greater distance opens up more options for avoiding a strike.

5 MAKE MODEST ADJUSTMENTS

When a whale comes up in the path of the ship, determine its direction of travel and identify the best course of action. Steering behind the whale is often most effective. A small decrease in speed when you first see the whale can make the difference between a strike and a near miss.

MARINE SAFETY/SECURITY INFORMATION BULLETIN (MSIB) 20-01

February 5, 2020

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

Dike, Jetty, & Pier Situational Awareness

U.S. Coast Guard Sector San Francisco has observed a number of recreational vessels having allided with waterway structures such as dikes, jetties, or piers. The Captain of the Port is releasing this bulletin as a reminder of the importance of mariners maintaining situational awareness of their vessel's position in relation to waterway structures. Staying vigilant of dikes, jetties, or other structures is essential to navigational safety.

Prior to any voyage, mariners are encouraged to review the nautical charts and the Coast Guard local notice to mariners for the area in which they intend to operate, paying special attention to any structures that may exist in the waterway. It is important to note that during a high or low tide, the amount of a structure that is visible above the surface of the water might change significantly. Awareness of these structures is even more important at night or during times of restricted visibility as structures may or may not be marked or lighted. The consequences of failing to consider the location of dikes, jetties, or other structures encountered while operating a vessel can be catastrophic.

U.S. Coast Guard Sector San Francisco recommends that vessel operators remain cognizant of their position relative to waterway structures such as the **dikes at the entrance of the Mare Island Straits**, the **Berkeley Pier**, or the **Breakwater structure near Oakland Middle Harbor.**

Additionally, it is recommended that vessel operators maintain a safe speed appropriate to the prevailing conditions and ensure they have the most current charts and publications onboard.

For additional information regarding this bulletin, please contact the U.S. Coast Guard Sector San Francisco Waterways Management Division at SFWaterways@uscg.mil / (415) 399-7442.

Sincerely,

M. B. Byrd

M. B. BYRD
Captain, U.S. Coast Guard
Captain of the Port, San Francisco

NOAA Chart Catalog

Coast Guard Local Notice to Mariners

MARINE SAFETY/SECURITY INFORMATION BULLETIN (MSIB) 18-02

September 24, 2018

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

Air Draft Situational Awareness

U.S. Coast Guard Sector San Francisco has observed a recent trend of marine casualties involving vessel allisions with overhead power lines. The Captain of the Port is releasing this bulletin as a reminder of the importance of mariners maintaining situational awareness of their vessel's air draft, including that of movable equipment onboard. Staying vigilant of overhead obstructions crossing waterways in relation to your vessel's air draft is essential to navigational safety.

Air draft (draught) is a term used to describe the distance from the top of a vessel's highest point to its waterline. Vertical clearance is the distance in excess of the air draft that allows a vessel to pass safely under a bridge or overhead obstruction. **The consequences of failing to consider air draft and to properly calculate a vessel's vertical clearance under bridges, power lines, and other obstructions encountered during a passage can be catastrophic.**

U.S. Coast Guard Sector San Francisco recommends that all vessel operators remain cognizant of their air draft at all times. More precisely, the calculation from both the vessel's highest fixed point and highest movable point to safely clear all overhead obstructions encountered while maneuvering in the San Francisco Bay Area is of paramount importance.

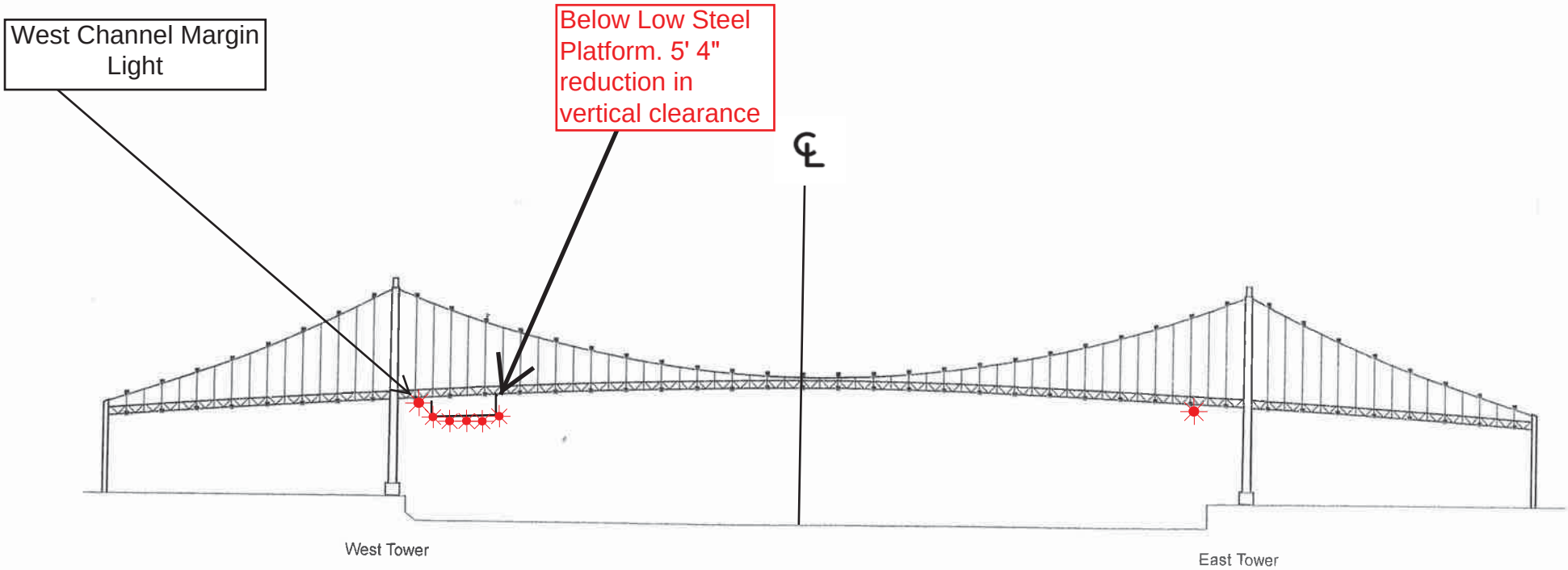
Additionally, it is recommended that vessel operators ensure they have the most current nautical charts and publications onboard. A link to these publications, which include authorized overhead clearances, can be found at http://www.charts.noaa.gov/InteractiveCatalog/nrnc/shtml.

For additional information regarding this bulletin, please contact the U.S. Coast Guard Sector San Francisco Investigations Division at SectorSF.Investigations@uscg.mil / (510) 813-9636, the Domestic Vessel Inspections Branch at SectorSF.Domestic.Insp@uscg.mil / (510)-207-1495, or the Waterways Management Division at SFWaterways@uscg.mil / (415) 871-9051.

Sincerely

A. J. CERAOLO
Captain, U.S. Coast Guard
Captain of the Port of San Francisco & Northern California
U.S. Coast Guard Sector San Francisco

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



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.

Gerald Desmond Bridge
Replacement Project

Caltrans • Metro • Port of Long Beach • US Department of Transportation

SAFETY NOTICE
For Watercraft on Back Channel

Construction of the Gerald Desmond Bridge Replacement Project's main span has begun over the Back Channel.

All recreational and commercial watercraft that travel through the channel between the hours of 6:00 a.m. and 2:30 a.m. Monday through Saturday are advised to be aware of and identify the stationed spotter boat (pictured) for safe passage under the Bridge Project.

For watercraft approaching the Bridge Project, Marine VHF radio channels 13 and 79 can be used to communicate with the spotter boat to determine safe passage.

For more information, visit: www.NewGDBridge.com/Waterway

If you have any questions about this announcement, please contact the **Bridge Project Communications Team at (562) 485.2780** or **info@GDBRProject.com.** Thank you!

NOTICE TO MARINERS

Issued By:

CENTER FOR OPERATIONAL OCEANOGRAPHIC
PRODUCTS & SERVICES

1305 East-West Highway, N/OPS3
Silver Spring, MD 20910-3281
301-713-2815
Tide.Predictions@noaa.gov
<https://tidesandcurrents.noaa.gov>

NOAA is Discontinuing the Printed Tide Tables and Tidal Current Tables After 2020.

NOAA is ending the production of the printed Tide Tables and Tidal Current Tables publications. The 2020 Tide Tables and Tidal Current Tables, released for distribution and available as PDF files from https://tidesandcurrents.noaa.gov/historic_tide_tables.html, are the final printed editions.

NOAA is discontinuing the production of these annual publications due to: (a) recent changes by the U.S. Coast Guard in the interpretation of the requirements for predictions, no longer requiring these publications in paper format and (b) the availability of online and electronic services providing tide and tidal current predictions which meet the U.S. Coast Guard requirements for navigation, and support other activities along the U.S. coast.

Tide and Tidal Current predictions are available through NOAA's Center for Operational Oceanographic Products and Services (CO-OPS) online services:

- NOAA Tide Predictions: https://tidesandcurrents.noaa.gov/tide_predictions.html
- NOAA Current Predictions: https://tidesandcurrents.noaa.gov/noaacurrents/Regions

These online services provide predictions which equal or exceed the accuracy and availability of the predictions at domestic locations provided through printed publications, and provide additional capabilities allowing the predictions to better meet a variety of user needs. These online services provide predictions for the U.S. coasts. International predictions will not be available from the online services. Predictions for countries outside the U.S. may be obtained through the Oceanographic / Hydrographic agency in that country.

Contact NOAA's Center for Operational Oceanographic Products and Services (CO-OPS) with questions or for further information.
E-mail: Tide.Predictions@noaa.gov
Phone: 301-713-2815

Issued: March 16, 2020

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

BRIDGE NAME: _____ DATE: _____

MILE :_____WATERWAY: _____

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

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

Signature _____

Telephone _____

Mariners may complete and return to:

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

Fax: (510) 437-5836

Email: Carl.T.Hausner@uscg.mil

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