U.S. Department
of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 11 Week: 26/20

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-0011-20, SF-0059-20, LA-0090-20, and SD-0037-20 have been incorporated in this notice, or will continue if still significant.

ABBREVIATIONS

A through H

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

I through O

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

P through Z

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

Additional Abbreviations Specific to this LNM Edition: None

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

SUBMITTING INFORMATION FOR PUBLICATION IN THE LOCAL NOTICE TO MARINERS

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

BRIDGE INFORMATION- PROJECTS, DISCREPANCIES, CORRECTIONS & REGULATORY

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

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

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

CAUTION TO BE USED IN RELIANCE UPON AIDS TO NAVIGATION

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

HUMBOLDT BAY-SHOALING

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

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

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

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

SECTION II - DISCREPANCIES

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

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1	Dart Tsunami Warning Lighted Buoy Station 46412	ADRIFT	18022	SD-0039-18	52/16	
365	Mile Rocks Light	REDUCED INT	18649	SF-0251-17	49/17	
380	Noonday Rock Lighted Bell Buoy 28	MISSING	18645	SF-0161-18	44/18	
395	Bodega Head Lighted Whistle Buoy 30	MISSING	18643	SF-0059-20	25/20	
415	Arena Cove Lighted Bell Buoy A	SINKING	18640	HB-0010-20	25/20	
562	NOAA Environmental Lighted Buoy 46027	MISSING	18603	HB-0008-19	17/19	

2295	Oceanside Breakwater Light 1	DAYMK MISSING	18758	SD-0020-19	16/19
2470	Newport Bay Channel Light 11	STRUCT DEST/TRLB	18754	LA-0176-15	50/15
2575	San Clemente Island Light	LT EXT	18763	SD-0032-20	21/20
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
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
4610	Oakland Outer Harbor Range B Front Light	LT EXT	18650	SF-0057-20	23/20
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
4912	Lash Terminal Approach Lighted Buoy 2	SINKING	18650	SF-0040-20	16/20
5130	San Francisco Bay South Channel Light 8	DAYMK MISSING	18651	SF-0023-20	08/20
5180	Redwood Creek Entrance Light 2	STRUCT DEST/TRLB	18651	SF-0153-15	34/15
5240	Redwood Creek Light 13	STRUCT DMGD/TRLB	18651	SF-0201-17	41/17
5250	Redwood Creek Light 16	STRUCT DMGD/TRLB	18651	SF-0109-19	43/19
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
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

None

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
20	Ocean Beach Pier Fog Sound Signal	SS INOP	18765	SD-0002-19	05/19	
158	Scripps Waverider Lighted Research Buoy 092	OFF STA	18746		45/18	
1765	Harbor Island East Basin Channel Buoy 2	OFF STA	18773	SD-0028-19	19/19	
1790	Harbor Island East Basin Channel Buoy 10	OFF STA	18773	SD-0044-19	27/19	
1900	Glorietta Bay Channel Lighted Buoy 8	LT IMCH	18773		50/18	
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	
2289.1	Scripps Waverider Lighted Research Buoy 100	OFF STA	18765		22/20	

2289.4	Scripps "CORDC" Lighted Research Buoy	MISSING	18765		22/20
3339.2	REDONDO HARBOR LIGHT	LT EXT	18744	LA-0181-18	52/18
3420	Hyperion Lighted Gong Buoy 10 ES	LT EXT	18744		16/20
3972.1	Monterey Harbor Junction Lighted Buoy A	MISSING	18685	SF-0019-20	05/20
4401	Richardson Bay Daybeacon 8	DAYMK DMGD	18653		15/20
4402	Richardson Bay Daybeacon 9	STRUCT DMGD	18649	SF-0086-18	23/18
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

None

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

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

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
2015	San Diego Bay Channel Lighted Buoy 33	DISCONTINUED FOR DREDGING	18773	SD-0018-20	09/20	
3775	Santa Barbara Harbor Lighted Buoy 7	RELOCATED FOR DREDGING	18725	LA-0057-20	16/20	
3785	Santa Barbara Harbor Lighted Buoy 11	RELOCATED FOR DREDGING	18725	LA-0058-20	16/20	
3792	Santa Barbara Harbor Lighted Buoy 12	RELOCATED FOR DREDGING	18725	LA-0059-20	16/20	
3855	Morro Bay Channel Lighted Buoy 4	DISCONTINUED FOR DREDGING	18703		18/20	
3856	Morro Bay Channel Lighted Buoy 4A	DISCONTINUED FOR DREDGING	18703		18/20	
3860	Morro Bay Channel Lighted Buoy 5	DISCONTINUED FOR DREDGING	18703		18/20	

3865	Morro Bay Channel Lighted Buoy 6	DISCONTINUED FOR DREDGING	18703	18/20
3870	Morro Bay Channel Lighted Buoy 7	DISCONTINUED FOR DREDGING	18703	18/20
3875	Morro Bay Channel Lighted Buoy 8	DISCONTINUED FOR DREDGING	18703	18/20

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

None

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

LOS ANGELES- LONG BEACH- BREAKWATER REPAIRS

ConnolyPacific Co. will be conducting marine construction on LA/LB Harbor, middle breaker during the day from 0700-1900 until 31 Jul 20.The Derrick Barge LONG BEACH (DBLB) and Derrick Barge LOS ANGELES (DBLA) will use anchors to position itself along the breakwater. Mooring cans will be in proximity for the derrick barges to tie-up to during non-working hours. The anchors and mooring cans will be kept out of the main channel footprint. The tug DURANGO will be onsite monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Ron Allard at 562-577-0814.

Charts: 18746 18751 LNM: 26/20

NEWPORT BAY-TEMPORARY MOORING BUOY

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

Chart 18751 LNM: 26/20

NORTHERN CALIFORNIA-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

I-5 DUAL BRIDGE-Caltrans' contractor will be installing three temporary trestles to facilitate retrofit of the dual bridge, one upstream, one downstream and one between the dual bridge. The temporary trestles will provide 11 feet of vertical clearance from Mean High Water to low steel of each trestle and 30 feet of vertical clearance between bents 2 and 3. The upstream and downstream temporary navigation span, between bents 2 and 3, will be lighted at night with steady burning green lights. The upstream and downstream faces of bents 1, 2, 3 and 4 will be lighted at night with steady burning red lights (See I-5_MokeRiver_Trestles.pdf at the end of this notice for lighting diagram.) Work will be conducted Monday through Friday, 0600 to 1530, 15 JUL 20 through 21 JUL 21. For information at the construction site mariners can contact 916-208-6416, 209-518-6936, 916-283-9949, 916-757-2989 or 530-409-8103. Mariners are requested to use extreme caution when transiting the work site as there will be cranes working over the channel. For further information, mariners can contact the Coast Guard Bridge Office at 510-219-4366.

Chart 18662 LNM: 26/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

PAINTERSVILLE DRAWBRIDGE-Retrofit of the bridge is being conducted 0700 to 1900 Monday through Friday, through 31 Oct 20. The existing dolphins will be removed and will not be reinstalled until retrofit of the four in-water piers are complete. A 60′ X 160′ crane barge, a 50′ X 160 Kelso barge and a 50′ X 150′ material barge will be spudded down on-scene during the work. Barges will be left on-scene, unmanned, overnight. The upstream and downstream navigation channel piers will be lighted at night with steady burning all-round red lights. Beginning 01 Aug 20, the double leaf bascule span will begin one-leaf operation. During one leaf operation, the bridge will provide 77 feet of horizontal clearance from the tip of the raised leaf to the edge of the secured leaf and unlimited vertical clearance. Further information concerning this project will be provided in LNM 25/20. Please contact the Coast Guard Bridge Office at 510-219-4366 to comment on this project.

Chart 18662 LNM: 26/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

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

Chart 18664 LNM: 13/19

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

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

Chart 18662 LNM: 26/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

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

Chart 18662 LNM: 26/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

RIO VISTA DRAWBRIDGE-Temporary platforms are installed beneath low steel of the bridge in spans 2 and 8 reducing vertical clearance in those spans by no more than 4 feet through 01 Oct 20. The upriver and downriver temporary platforms and associated support cables are lit at night with steady burning red lights (see RVBridge_PlatformCable_Lighting.pdf enclosure at the end of this notice.) At no time will the lift span of the bridge be impacted. Mariners are urged to use alternate spans of the bridge. For conditions at the bridge, mariners can contact the contractor at 925-260-2104 or 925-260-1884. For further information contact the Coast Guard Bridge Office at 510-437-3516.

Chart 18661 LNM: 22/20

NORTHERN CALIFORNIA-DELTA & RIVERS-STANISLAUS RIVER-BRIDGE

CA ROUTE 99 BRIDGE-Modification of the bridge is in progress. A temporary trestle has been erected across the river, without pile support, to facilitate initial work activities. The temporary trestle provides at least 9 feet of vertical clearance from the summer water surface elevation to low steel of the trestle in the center of the river. An upstream and downstream green center channel light, just below low steel of the trestle, indicates the passage for vessels. (See RiponBridgeTrestleLighting.pdf enclosure at the end of this notice.) Temporary buoys, upstream and downstream of the bridge, mark safe passage for mariners. For information at the project site, mariners can contact the contractor at 916-869-4423 or 916-200-8706. For further information concerning the project contact the Coast Guard Bridge Office at 510-219-4366.

LNM: 21/20

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 AUG 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: 21/20

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-MIDDLE RIVER-POTENTIAL OBSTRUCTION TO NAVIGATION

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

Chart 18661 LNM: 46/19

NORTHERN CALIFORNIA-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 from 01 Jul 20 until 31 Dec 20. Vehicles will be deployed in the vicinity of Moss Landing that will operate continuously between latitudes 35-07-12N and 37-12-00N and will extend shoreward as far West as 122-58-35W. Operations consist of scientific ocean data collection. The Waveglider carries no fuel, lubricants or hydrocarbons. It is wave powered and remotely attended from MBARI, moving at speeds of ~1kt, and designed to give way or part if encountered by a vessel. It is approximately 6.5' x 2' (surfboard size), yellow in color, with a contact plaque and mast extending 3' above the water surface, supporting a flag. Mariners are requested to transit the area with caution. For more details or comments contact MBARI at 831-775-1700, waveglider@listserver.mbari.org or Liquid Robotics 24/7 WGOC Operations at 888-574-4574.

Chart 18685 LNM: 25/20

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

NORTHERN CALIFORNIA-MOSS LANDING-WAVEGLIDER DATA COLLECTION

888-574-4574.

Charts: 18772 18773 LNM: 10/20

NORTHERN CALIFORNIA-OFFSHORE CALIFORNIA COAST-SURVEY OPERATIONS

EGS Americas Inc. survey vessel BOLD EXPLORER will be conducting a cable route survey operations offshore Northern California Coast BETWEEN 40-40-00N 130-00-00W and 41-00-00N 124-10-00W until 22 Jul 20. The operation includes the stern deployment of a tethered sonar towfish at varying water depths to collect geophysical/bathymetric data for a proposed undersea cable. The maximum water depth of tow operations will be 1500 meters and the sonar sensor will be towed approximately 20-40 meters from the seafloor. The survey corridor is 1000 meters centered on the survey centerline. Operations in water depths greater than 1500 meters will utilize hull mounted equipment. For additional information see EGS Americas Survey Operations.pdf in the enclosure section. R/V BOLD EXPLORER will monitor VHF-FM Chan. 16 while conducting survey operations. For more details or comments contact Eric Roach of EGS Americas Inc. at 772-341-9286 or eroach@egsamericas.com.

Charts: 18600 18620 18640 LNM: 23/20

NORTHERN CALIFORNIA-OFFSHORE MONTEREY BAY-BUOY DEPLOYMENT

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

Chart 18010 LNM: 44/19

NORTHERN CALIFORNIA-OFFSHORE MONTEREY BAY-BUOY DEPLOYMENT

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

Charts: 501 18010 18020 18022 LNM: 37/19

NORTHERN CALIFORNIA-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.

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 Sept 2020. Crane barge 12 along with a work boat and small skiffs will be on scene monitoring VHF-FM Chan. 09, 16, and 68A. Mariners are requested to transit the area with caution. For more details or comments contact Todd Bruce at 707-974-9937.

Chart 18649 LNM: 41/19

NORTHERN CALIFORNIA-SACRAMENTO RIVER-REDUCED VERTICAL CLEARANCE

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

Chart 18660 LNM: 22/16

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

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

Chart 18656 LNM: 18/20

NORTHERN CALIFORNIA-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.

NORTHERN CALIFORNIA-SACRAMENTO-PARTIALLY SUNKEN VESSEL

Chart 18662 LNM: 09/20

NORTHERN CALIFORNIA-SAN FRANCISCO APPROACH-SPEED REDUCTION

NOAA and the USCG request that all vessels 300 gross registered tons (GRT) or larger reduce speeds to 10-knots when transiting the San Francisco Traffic Separation Scheme (SF TSS) until 15 Nov 20, to protect endangered blue, humpback and fin whales; see enclosure VSRMap2020_SF.pdf. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq).

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

Charts: 18640 18680 LNM: 17/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

SAN MATEO/HAYWARD BRIDGE-Structural repairs to the superstructure of the bridge are being conducted from 0700 to 1530, Monday through Friday, through 15 May 22. Current location of work is at piers 17, 28 and 29. At no time will work be conducted or floating equipment placed in the main navigation span of the bridge, piers 19-20. Various size barges will be used during the project, the largest being a 100' X 20' flexifloat barge. During the work day, barges will either be spudded down or tied to the bridge piers, no anchors or anchor line will be utilized. After regular working hours, the unmanned barge will be left on-site unless inclement weather is anticipated, then the barges will be spudded down at pier 12, west of the main navigation span. For the safety of navigation, the barges can be moved with one-hour advance notice. For conditions at the bridge mariners can contact Golden State Bridge, Inc., on VHF-FM Marine Radio Channels 13, 14, and 16 or by cell phone at 707-246-0725, 925-260-2104, or 925-382-7288. For more details or comments contact the Coast Guard Bridge Office at 510-219-4366.

Chart 18651 LNM: 26/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-BRIDGE

GOLDEN GATE BRIDGE-Four 54' temporary under deck platforms; one 225' and one 1925' north of the south tower and one 175' and one 1925' 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_Bridge10Jun20.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: 23/20

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-DREDGE OPERATIONS

The Army Corps of Engineers will be conducting dredging operations until 02 Jul 20 in the vicinity of Richmond Outer Harbor. The Government Hopper Dredge ESSAYONS will be performing annual maintenance dredging at Richmond Outer Harbor and utilize the disposal location at SF-11 (Alcatraz) and SF-10 (San Pablo Bay) as the alternate site. Dredge ESSAYONS, call sign 'AENO' will monitor VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact the ESSAYONS Master at 503-709-8459 or 503-804-5546.

Charts: 18649 18650 18653 18655 LNM: 20/20

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-DREDGE OPERATIONS-MARINE CONSTRUCTION

The Dutra Group will conduct dredge operations and marine construction in San Francisco Bay, CA at the Mission Bay Ferry Landing, 7 days a week during daylight hours until 10 Jul 20. Dredged material will be disposed of at SFDODS. DB 24, 05 scows, along with support tugs BECKY T and ARTHUR BRUSCO will conduct operations and monitor VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Dennis Salyers at 415-497-5289.

Charts: 18649 18650 LNM: 23/20

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
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

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 BAY-SOUTHAMPTON SHOAL CHANNEL

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

Chart 18649 LNM: 26/20

NORTHERN CALIFORNIA-SAN FRANCISCO-GEOPHYSICAL SURVEY

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

Charts: 18680 18685 LNM: 07/20

NORTHERN CALIFORNIA-SAN LEANDRO BAY-BRIDGE

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

Chart 18649 LNM: 37/18

NORTHERN CALIFORNIA-SAN PABLO BAY-SUBMARINE CABLE

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

Charts: 18654 18655 LNM: 25/20

NORTHERN CALIFORNIA-SAN PABLO BAY-SUBMERGED OBSTRUCTION

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

Charts: 18654 18655 LNM: 47/17

NORTHERN CALIFORNIA-SANTA CRUZ-HAZARDOUS CONDITIONS

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

Chart 18685 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-WESTPOINT HARBOR-REDWOOD CITY-DREDGE OPERATIONS

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

Chart 18651 LNM: 22/20

SAN DIEGO-UNMANNED MARITIME VEHICLE OPERATIONS

Ocean Aero, Inc. will be conducting 24/7 autonomous, unmanned maritime vehicle operations in South Bay San Diego in the vicinity of 32-56-04.55N 117-17-11W until 15 Sep 20. The unmanned vehicle uses wind and solar energy to move in regular patterns at boat speeds up to 3 knots. The vehicle is white in color and looks like a small sailboat with an 8' mast and 360 degree white light. The vehicle is restricted in its ability to maneuver, so mariners are requested to transit the area with caution and maintain a safe distance of 500-yds from the craft. For more details or comments contact Bill Burns at 619-247-9073.

Chart 18773 LNM: 26/20

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- DANA POINT TO POINT ARGUELLO - VOLUNTARY SPEED REDUCTION

NOAA and the USCG request that all vessels 300 gross registered tons (GRT) or larger reduce speeds to 10-knots or less when transiting from Dana Point to Pt. Arguello until 15 Nov 20, to protect endangered whales; see enclosure VSRMap2020_SC.pdf. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (to protect endangered whales 16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq.). Vessels already transiting south of the northern Channel Islands are also encouraged to transit outside of the voluntary extended area to be avoided to reduce the overlap of ships and endangered whales.

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

Charts: 18700 18720 18740 LNM: 17/20

SOUTHERN CALIFORNIA- MORRO BAY-MARINE CONSTRUCTION

Associated Pacific Constructors, Inc. will conduct marine construction at Roses Landing in Morro Bay, CA at 35-21-55N 120-51-13W until 03 Jul 20. A Modular crane barge will be on scene conducting operations and will monitor VHF-FM Chan. 09 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Paul Gillen at 805-772-7472.

Chart 18703 LNM: 17/20

SOUTHERN CALIFORNIA-CATALINA ISLAND-BUOY DEPLOYMENT

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

Charts: 18746 18757 LNM: 47/19

SOUTHERN CALIFORNIA-CONSTRUCTION-SAN DIEGO-SAN DIEGO BAY

Manson Construction Co. is conducting construction activities in San Diego Bay at Naval Base San Diego Pier 8. This project includes demolition of the existing Pier 8 and rebuilding the Pier 8 replacement which will involve pile driving and pier construction utilizing derrick barges and flat barges. The approximate location of the project is 32-40-23.40 N, 11-07-21.76. This project is expected to be completed by 21 Apr 21. During construction operations, vessel operators with Manson Construction Co. can be contacted on VHF frequencies 13, 16, and 67. Mariners are requested to transit at their slowest safe speed to minimize wake while in the vicinity of construction operations and proceed with caution after passing arrangements have been made. For more details or comments contact Mr. Jack Fernandez at 904-495-4835.

Chart 18773 LNM: 20/20

SOUTHERN CALIFORNIA-DANA POINT-FIREWORKS DISPLAY

The City of Dana Point will sponsor a fireworks display near the Dana Point Harbor breakwater at 33-27-22N 117-41-21W at 2100 on 04 Jul 20. There will be a 1000' fallout zone around the launch site. Mariners are requested to transit the area with caution. For more details or comments Paul Speight at 909-953-6267.

Charts: 18740 18746 LNM: 25/20

SOUTHERN CALIFORNIA-DEL MAR NEARSHORE-BUOY DEPLOYMENT

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

Charts: 18740 18765 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-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-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

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

Curtin Maritime is conducting marine construction within Long Beach Harbor Back Channel and Pier S, 24 hrs per day 7 days a week until 31 Jul 20. Two temporary mooring buoys with steady burning all-round white lights will be located at 33-45-52N 118-13-18W and 33-46-02N 118-13-55W during operations. DB EEL PT, Scow RINCON, along with Support tugs SEANA C, and BABY T will be on scene monitoring VHF-FM Chan. 13,16, and 74. Mariners are requested to transit the area with caution. For more details or comments contact Dave Crimbchin at 562-852-4200.

Charts: 18746 18749 LNM: 18/20

SOUTHERN CALIFORNIA-LOS ANGELES-BUOY DEPLOYMENT

The Sanitation Districts of Los Angeles County have deployed one mooring located on the Palos Verdes Shelf at 33-43-09N 118-23-38W until 10 Aug 20. The moorings have a surface buoy system that consists of a 3' diameter yellow float with stripes of SOLAS reflective marine tape and a flashing white light. 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: 26/20

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 05 Aug 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: 18/20

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-MISSION BAY-FIREWORKS DISPLAY

The Sea World Parks and Entertainment will sponsor the Fireworks at Sea World firework shoot every Saturday from 2030-2100 starting on 05 Jul 20 until 23 Aug 20. This event will take place from a barge located in Mission Bay, CA south of Fiesta Island at 32-46-04N 117-13-11W. Mariners are requested to transit the area with caution and maintain a 420' radius from the fireworks display. For more details or comments contact J. Scott Danielson at 619-456-7441.

Chart 18765 LNM: 25/20

SOUTHERN CALIFORNIA-MONTEREY BAY-WAVE GLIDER

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-MONTEREY BAY-WAVEGLIDER DATA COLLECTION

Liquid Robotics (www.liquid-robotics.com) will conduct continuous autonomous, unmanned maritime vehicle operations until 19 Jul 20, in vicinity of 36-42-01N 122-14-19W (2000 meter Operating Area), occasionally transiting to the vicinity of 36-54-13N 121-59-02W. Operations consist of scientific ocean data collection. Wave Glider carries no fuel, lubricants, or hydrocarbons, is wave powered, remotely attended from our Wave Glider Operations Center (WGOC), moving at speeds of typically 1kt, and designed to give way or part if encountered by a vessel. It is surfboard size, copper in color, with a contact plaque and mast extending 1 meter above the surface supporting a flag. Mariners are requested to transit the area with caution. For more details or comments contact Liquid Robotics Operations Center at 408 636 4205, or by email at support@liquid-robotics.com.

Chart 18680 LNM: 19/20

SOUTHERN CALIFORNIA-OFFSHORE EUREKA-CABLE SURVEY

EGS Americas Inc will be conducting geophysical survey operations offshore Eureka, CA until 06 Jul 20. During cable route surveys M/V JAB will be stern towing a subsea sonar device approximately 50m behind the vessel in a 500m wide corridor between 40-40-00N 124-10-00W and 41-00-00N 124-30-00W. Mariners are asked to keep clear at least 1 mile away from the vessel while it is working. M/V JAB will be on scene monitoring VHF-FM Chan 16. For more details or comments contact Eric Roach at 772-341-9286.

Charts: 18600 18620 LNM: 19/20

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 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 PT. CONCEPTION TO DEL MAR-OCEANOGRAPHIC OPERATIONS

Research vessel SALLY RIDE will conduct surface to floor oceanographic operations offshore Pt. Conception to Del Mar, CA during daylight hours from 13-28 Jul 20. Research vessel SALLY RIDE (Call sign 'WSAF') will monitor VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Daniel Schuller at 858-344-9841.

Charts: 18720 18740 LNM: 21/20

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-OFFSHORE VENTURA HARBOR-DIVE OPERATIONS

Longitude 123, Inc. have installed two temporary unmarked structures ivo of Ventura harbor, CA at 34-18-44N 119-22-18W and 34-18-45N 119-22-19W until 31 Jul 20.Mariners are requested to transit the area with caution. For more details or comments contact Scot Anderson at 805-796-1235.

Chart 18725 LNM: 26/20

SOUTHERN CALIFORNIA-POINT CONCEPTION-WAVERIDER BUOY

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

Chart 18700 LNM: 41/18

SOUTHERN CALIFORNIA-POINT CONCEPTION-WAVERIDER BUOY

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

Charts: 18700 18720 18721 LNM: 41/18

SOUTHERN CALIFORNIA-POINT LOMA-DEL MAR-OCEANOGRAPHIC OPERATIONS

Scripps Institution of Oceanography research vessel ROBERT GORDON (Call sign WSQ-2674) will conduct surface to floor oceanographic operations offshore San Diego, CA from 01-22 Jul 20 within the following coordinates:
32-40-30N 117-16-00W
32-40-06N 117-18-06W
32-44-24N 117-18-48W
32-44-36N 117-16-36W
R/V ROBERT GORDON SPROUL will be restricted in her ability to maneuver during operations and will monitor VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Eric Buck at 858-534-5568.

Charts: 18740 18765 LNM: 25/20

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 bridge provides 75' of horizontal clearance and 45' of vertical clearance from mean high water to low steel of the replacement bridge. 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: 16/20

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.

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

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

SOUTHERN CALIFORNIA-SAN DIEGO BAY-DREDGE OPERATIONS
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 NASSCO Berths 03-04 at position 32-41-08N 117-08-10W until 31 Jul 20. Crane barge 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: 20/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION
R.E. Staite Engineering Inc. will conduct marine construction at NASSCO Berth 07 at position 32-41-35N 117-09-03W until 31 Dec 20. Vessel DB PALOMAR, RES 180, along with push boat JEANIE R in conjunction tug CUYAMACA will conduct operations. All vessels will monitor VHF-FM Chan 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For concerns or comments contact project manager Erick Myers at 619-233-0178.
Charts: 18772 18773 LNM: 20/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION
R.E. Staite Engineering Inc. will conduct marine construction at NASSCO Berths 09 and 10 at position 32-41-04N 117-08-24W until 31 Dec 20. DB PALOMAR along with push boat JEANIE R will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.
Charts: 18772 18773 LNM: 15/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION
R.E. Staite Engineering Inc. will conduct marine construction at NASSCO Graving Dock Cofferdam berth at position 32-41-16N 117-08-16W until 30 Sep 20. CB AMERICAN 11320 along with push boat JEANIE R will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.
Charts: 18772 18773 LNM: 15/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION
R.E. Staite Engineering Inc. is conducting marine construction at Huntington Ingalls Industries-Pier 7 Marginal Wharf at 32-41-36N 117-09-04W 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
R.E. Staite Engineering Inc. will conduct marine construction at Huntington Ingalls Industries-Piers 2-5 at 32-41-36N 117-09-04W until 31 Dec 20. Vessels DB PALOMAR, RES 180, JOHN DRAKE, JEANIE R, and tug CUYAMACA will conduct operations. All vessels will monitor VHF-FM Chan. 16. Mariners are requested to transit at lowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. For more details or comments contact project manager Erick Myers at 619-233-0178.
Charts: 18772 18773 LNM: 10/20

SOUTHERN CALIFORNIA-SAN DIEGO BAY-MARINE CONSTRUCTION
R.E. Staite Engineering Inc. 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 EVENT
The Cortez Racing Association will sponsor the San Diego BC Series Regatta in San Diego Bay, CA every Wednesday from 1600-2030, until 05 Aug 20. The regatta will consist of 125 sailboats participating in a regatta route that will start near Harbor Island, proceed to and around Buoy 16, continue to Buoy 28, and end back at Harbor Island. Mariners are requested to transit the area with caution. For more details or comments contact Richard Chambers at 858-395-1907.
Chart 18773 LNM: 23/20

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 BAY-SHIP LAUNCHING
General Dynamics will launch the new Matson vessel CONRO from the NASSCO Shipyard on 02 Jul 20 from 1830-2000. This activity will impact the San Diego Channel in the vicinity of Buoy 26. The ship is scheduled to move into the channel from the shipyard at 1930 and then be towed back to a NASSCO berth. During a subsequent re-berthing, the ship may once again briefly intrude into the channel. Mariners are requested to transit the

SOUTHERN CALIFORNIA-SAN DIEGO BAY-SHIP LAUNCHING

area with caution. For more comments or questions contact NASSCO Dockmaster, Vince Magers at 619-572-4618.

Chart 18773 LNM: 18/20

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-DIVING OPERATIONS

U.S. Navy will be conducting dive operations near Naval Base Coronado North Island Ammo Pier, from 06-08 Jul 20, ivo sweeter channel until 09 Jul 20 and ivo fiddler's cove until 10 Jul 20 during the hours of 1500–2359. Vessels on scene will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution and keep a safe distance of 100yds from the RHIBS and divers. For more details or comments contact Bill Windle at 619-537-3478.

Charts: 18720 18740 LNM: 26/20

SOUTHERN CALIFORNIA-SAN DIEGO-DIVING OPERATIONS

U.S. Navy (UNDERSEA RESCUE COMMAND) will be conducting diving operations until 10 Jul 20 in the vicinity of the following positions:

1NM RADIUS AROUND POINT 32-51-57N 117-26-37W
1NM RADIUS AROUND POINT 33-23-26N 118-20-01W
1NM RADIUS AROUND POINT 32-47-00N 117-21-30W

The HOS DOMINATOR will be on scene monitoring VHF-FM Chan.16. Mariners are advised to remain clear due to risk of entanglement and use caution when transiting the area. For more details or comments contact ETVC Hickman at (619) 545-9677.

Chart 18765 LNM: 26/20

SOUTHERN CALIFORNIA-SAN DIEGO-OCEANOGRAPHIC SURVEY-OCEAN MONITORING

City of San Diego Marine Biology Lab is conducting year-round ocean monitoring sampling in the vicinity of South Bay Ocean Outfall and Point Loma Ocean Outfall. 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-OCEANOGRAPHIC SURVEY-OCEAN MONITORING

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

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

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

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

Charts: 18765 18772 LNM: 46/19

SOUTHERN CALIFORNIA-SAN 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

SOUTHERN CALIFORNIA-SAN DIEGO-UAV OPERATIONS

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 DIEGO-USV OPERATIONS

The US Navy will be conducting unmanned surface vehicle (USV) approximately 10 nm West of Mission Bay in the vicinity of 32-43-48N 117-25-22W until 10 Jul 20. Operations will be conducted from a 42' foot research vessel. The USV moves at approximately 1 knot and is designed to give way if encountered by a vessel. The USV is a surfboard size craft 10' long, 3' wide with only a few inches of freeboard. It has a 3' mast with orange flag and fixed all around white light. . Additionally, one of the wave gliders may be operating to a depth of apreoximately 360ft. During these operations the research vessel and USV will be restricted in their ability to maneuver. The RHIB will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution and maintain a safe distance of 1000 yds from the RHIB and USV. For more details or comments contact Jennifer Pels at 619-553-6675 or Jennifer.pels@spawar.navy.mil.

Chart 18740 LNM: 26/20

SOUTHERN CALIFORNIA-SAN NICHOLAS ISLAND-ATMOSPHERIC BUOY

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

Chart 18740 LNM: 18/20

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

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

Chart 18720 LNM: 42/19

SOUTHERN CALIFORNIA-SANTA CATALINA ISLAND-MARINE CONSTRUCTION

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

Chart 18774 LNM: 15/20

SOUTHERN CALIFORNIA-SANTA CATALINA ISLAND-ROCK LOADING OPERATIONS

Connolly Pacific is conducting marine construction and rock loading operations at Empire landing Quarry on Santa Catalina Island, CA during daylight hours until 31 Oct 20. Two offshore 6x12" cylinder can moorings with steady burning all-round white lights will be utilized during operations. DB LONG BEACH and support tugs LARCONA or PATCONA II will be on scene monitoring VHF-FM Chan. 16, and 79A. Mariners are requested to transit 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 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)
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	
1.1	*Scripps Waverider Lighted Research Buoy 191*	32-31-00.100N 117-25-30.700W	Fl (5)Y 20s			Yellow sphere with whip antenna.	In Mexican waters. Private Aid.	26/20
83	*Scripps Waverider Lighted Research Buoy 067*	* 33-13-29.300N 119-52-54.500W	Fl (5)Y 20s			Yellow sphere with whip antenna.	Private Aid.	26/20
160	*Scripps Waverider CDIP Lighted Research Buoy 213*	* 33-34-33.200N 118-10-52.700W	Fl (5)Y 20s			Yellow sphere with whip antenna.	Private Aid.	26/20
181.3	*Scripps Waverider CDIP Lighted Research Buoy 203*	* 33-46-08.400N 119-33-52.900W	Fl (5)Y 20s			Yellow Sphere w/Whip .	Private Aid.	26/20
214	*Scripps Waverider CDIP Lighted Research Buoy 222*	* 34-46-03.000N 121-29-52.800W	Fl (5)Y 20s			Yellow Sphere w/ Whip Antenna.	Private Aid.	26/20
282	*Scripps Waverider Lighted Research Buoy 157*	* 36-20-05.200N 122-06-14.000W	Fl (5)Y 20s			Yellow sphere with whip antenna.	Private Aid.	26/20
2288	*Scripps Waverider Lighted Research Buoy 220*	* 32-45-05.700N 117-30-02.700W	Fl (5)Y 20s			Yellow sphere with whip antenna.	Private Aid.	26/20
2289.1	*Scripps Waverider Lighted Research Buoy 100*	* 32-55-58.800N 117-23-26.600W	Fl (5)Y 20s			Yellow sphere with whip antenna.	Private Aid.	26/20
2289.5	*Scripps Waverider Lighted Research Buoy 045*	* 33-10-40.400N 117-28-19.800W	Fl (5)Y 20s			Yellow sphere with whip antenna.	Private Aid.	26/20
3336	SCRIPPS WAVERIDER LIGHTED RESEARCH BUOY 028	* 33-51-19.300N 118-38-03.800W	Fl (5)Y 20s			Yellow sphere with whip antenna.	Private Aid.	26/20

*

PUBLICATION CORRECTIONS

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

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

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

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

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

For any questions or comments; visit
nauticalcharts.noaa.gov/customer-service/assist/

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

LNM: 18/20

ENCLOSURES

REPORT OF DELAY AT DRAWBRIDGE

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

LNM: 06/07

NORTHERN CALIFORNIA-DELTA & RIVERS-MOKELUMNE RIVER-BRIDGE

I-5_MokeRiver_Trestles.pdf
See link above for temporary trestle lighting and location.

LNM: 26/20

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

V_Thomas_Platform_Lighting1.pdf
See link above for platform lighting for Vincent Thomas Bridge.

LNM: 28/19

NORTHERN CALIFORNIA-SAN FRANCISCO BAY-AIR DRAFT AWARENESS

Air draft marine safety bulletin.pdf
See link above.

LNM: 40/18

NORTHERN CALIFORNIA-CORTE MADERA CREEK-BRIDGE

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

LNM: 29/18

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

Pioneer_Barge_Mooring.pdf
See enclosure above for the Pioneer Bridge Barge Mooring Diagram.

LNM: 25/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

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

LNM: 25/20

NORTHERN CALIFORNIA-DELTA & RIVERS-SACRAMENTO RIVER-BRIDGE

RVBridge_PlatformCable_Lighting.pdf

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

LNM: 22/20

SAN CLEMENTE ISLAND-SAFETY ZONES

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

LNM: 49/19

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_10Jun20.pdf
GOLDEN GATE BRIDGE-Temporary Platform Location and Lighting revised 10 Jun 20.

LNM: 23/20

NORTHERN CALIFORNIA-SAN FRANCISCO APPROACH-SPEED REDUCTION

2020 NOAA WHALE.pdf
See enclousure above.

LNM: 18/20

NORTHERN CALIFORNIA-DELTA & RIVERS-STANISLAUS RIVER-BRIDGE

RiponBridgeTrestleLighting.pdf
CA ROUTE 99 BRIDGE-See enclosure above for temporary trestle and lighting.

LNM: 21/20

NORTHERN CALIFORNIA-SAN FRANCISCO APPROACH-SPEED REDUCTION

VSRMap2020_SF.pdf
See enclosure above.

LNM: 17/20

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

VSRMap2020_SC.pdf
See enclousre above.

LNM: 17/20

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

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

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

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

BRIDGE NAME: _____ DATE: _____

MILE :_____WATERWAY: _____

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

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

Signature _____

Telephone _____

Mariners may complete and return to:

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

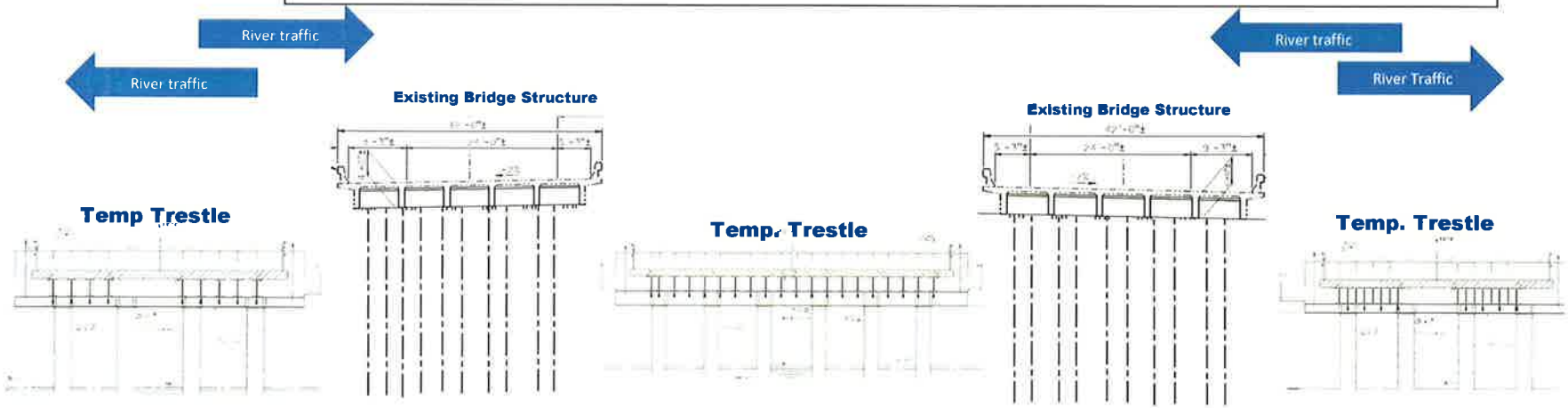
Fax: (510) 437-5836

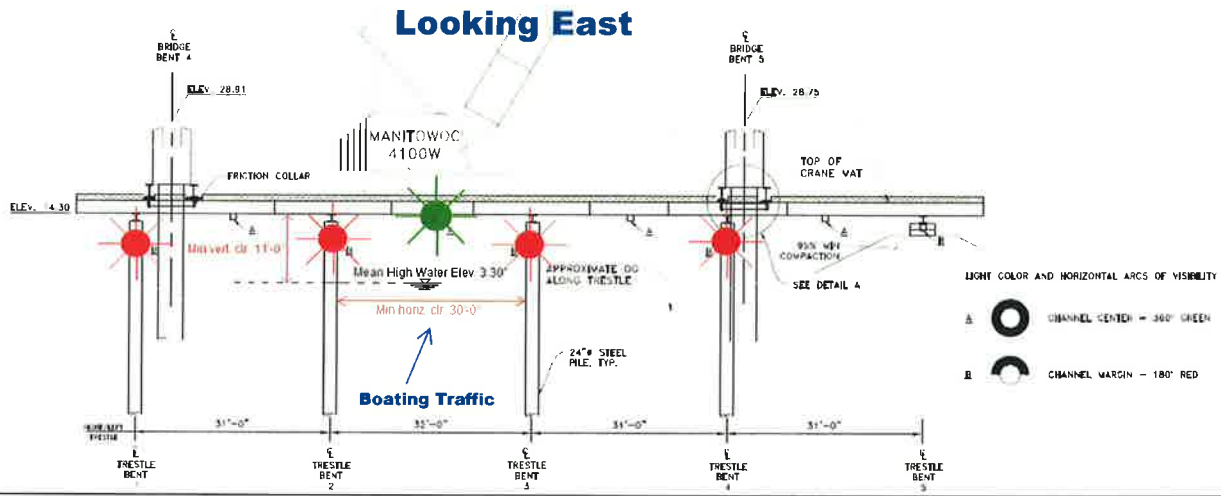
Email: Carl.T.Hausner@uscg.mil

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

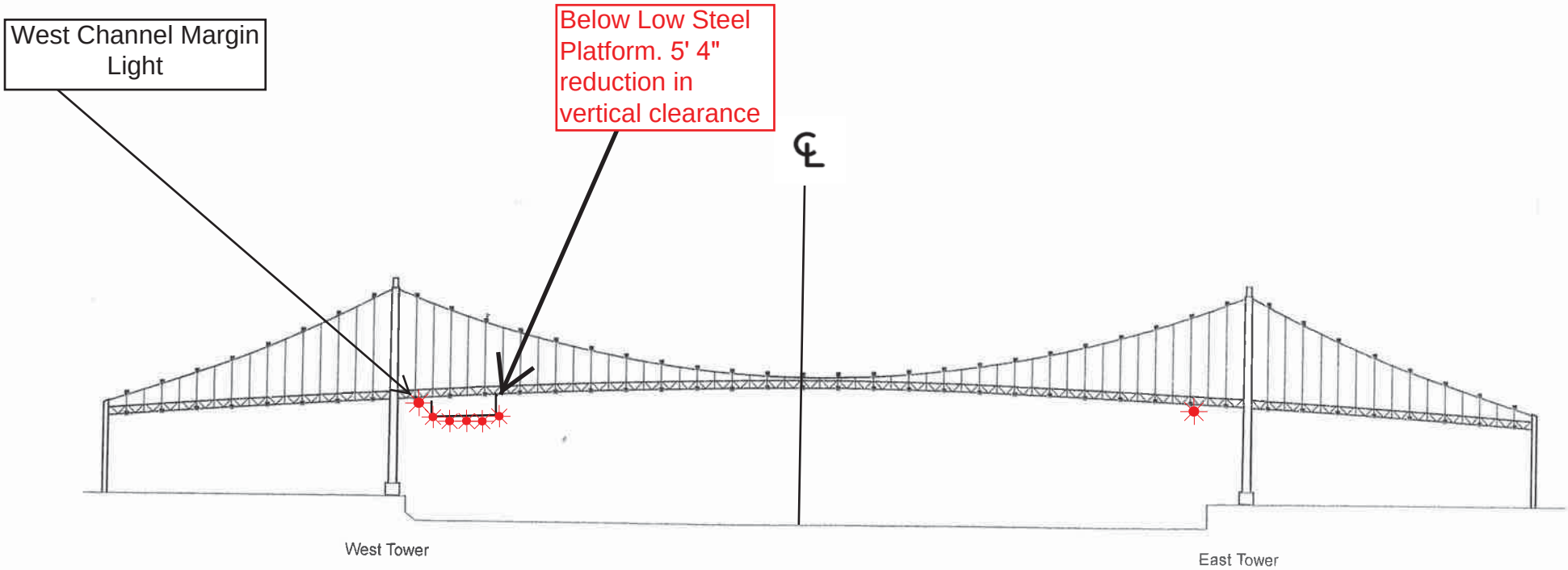
Trestle Lighting Diagram
I-5 Dual Bridge Retrofit Project, mile 22.9, Mokelumne River





The temporary trestles will provide at least 30 feet of horizontal clearance and 11 feet of vertical clearance from Mean High Water to low soffit of the trestles. The upstream and downstream center of the designated navigation span, between bents 2 and 3 will be lighted at night with a green center channel light. The upstream and downstream faces of bents 1, 2, 3, and 4 will be lighted at night with steady burning red lights so as to be seen at 2,000 yards by approaching vessels.

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.

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.

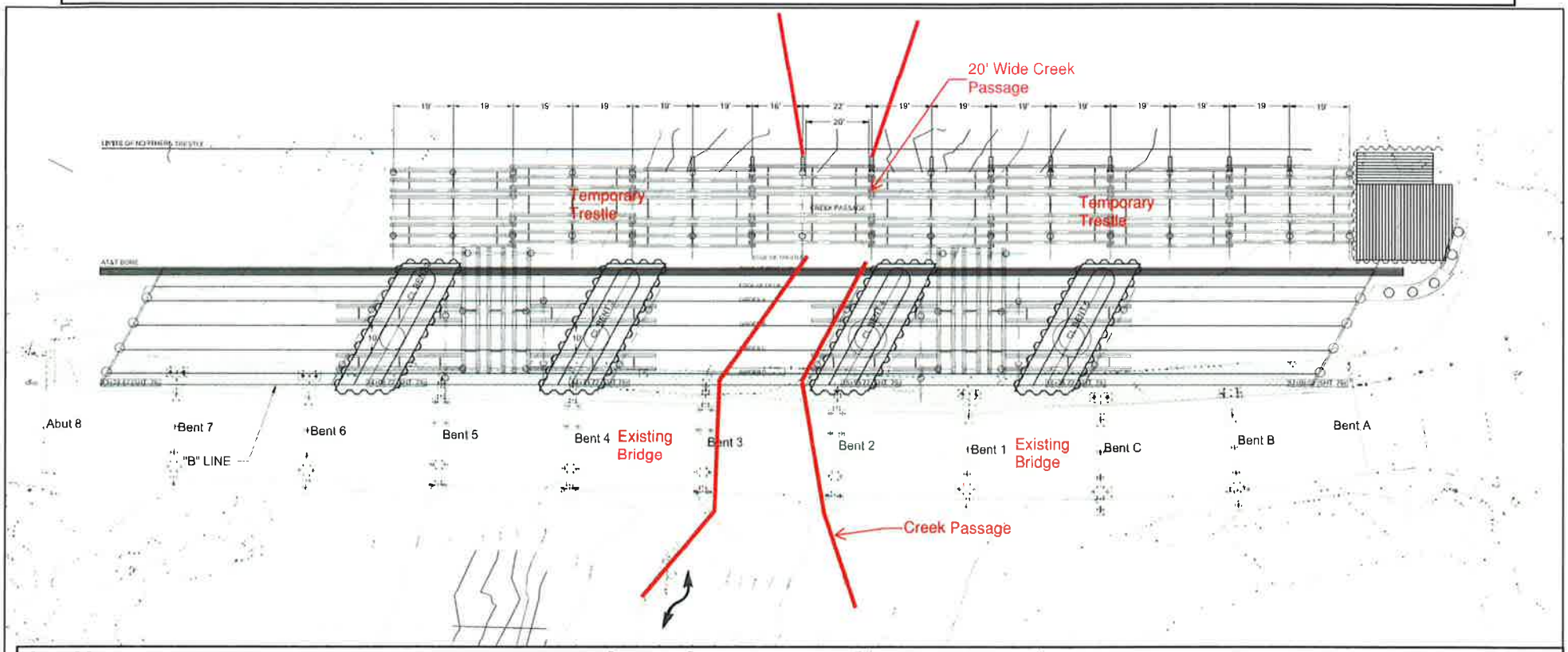
Additionally, it is recommended that vessel operators ensure they have the most current nautical charts and publications onboard. A link to these publications, which include authorized overhead clearances, can be found at http://www.charts.noaa.gov/InteractiveCatalog/nrnc/shtml.

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

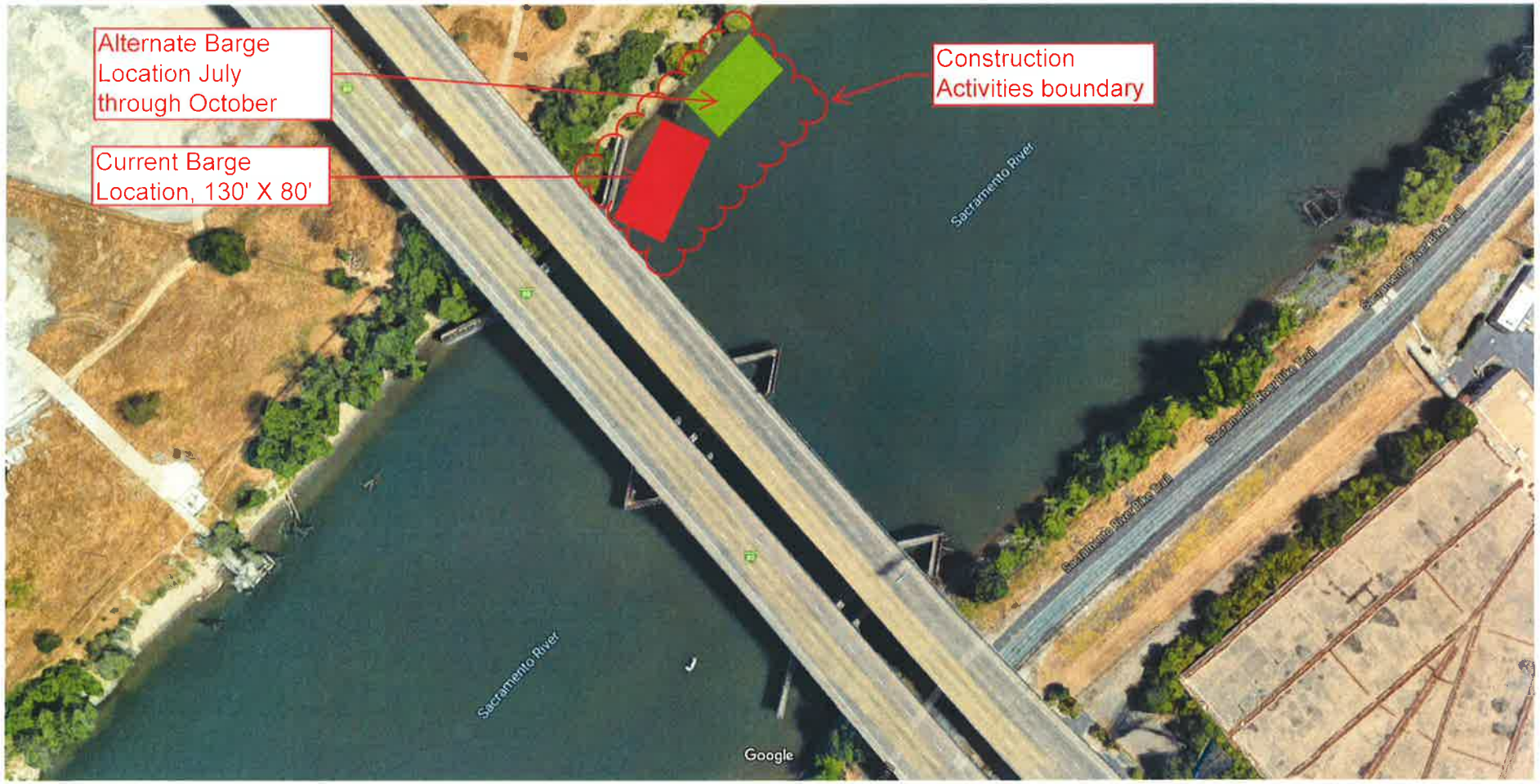
A. J. CERAOLO
Captain, U.S. Coast Guard
Captain of the Port of San Francisco & Northern California
U.S. Coast Guard Sector San Francisco

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



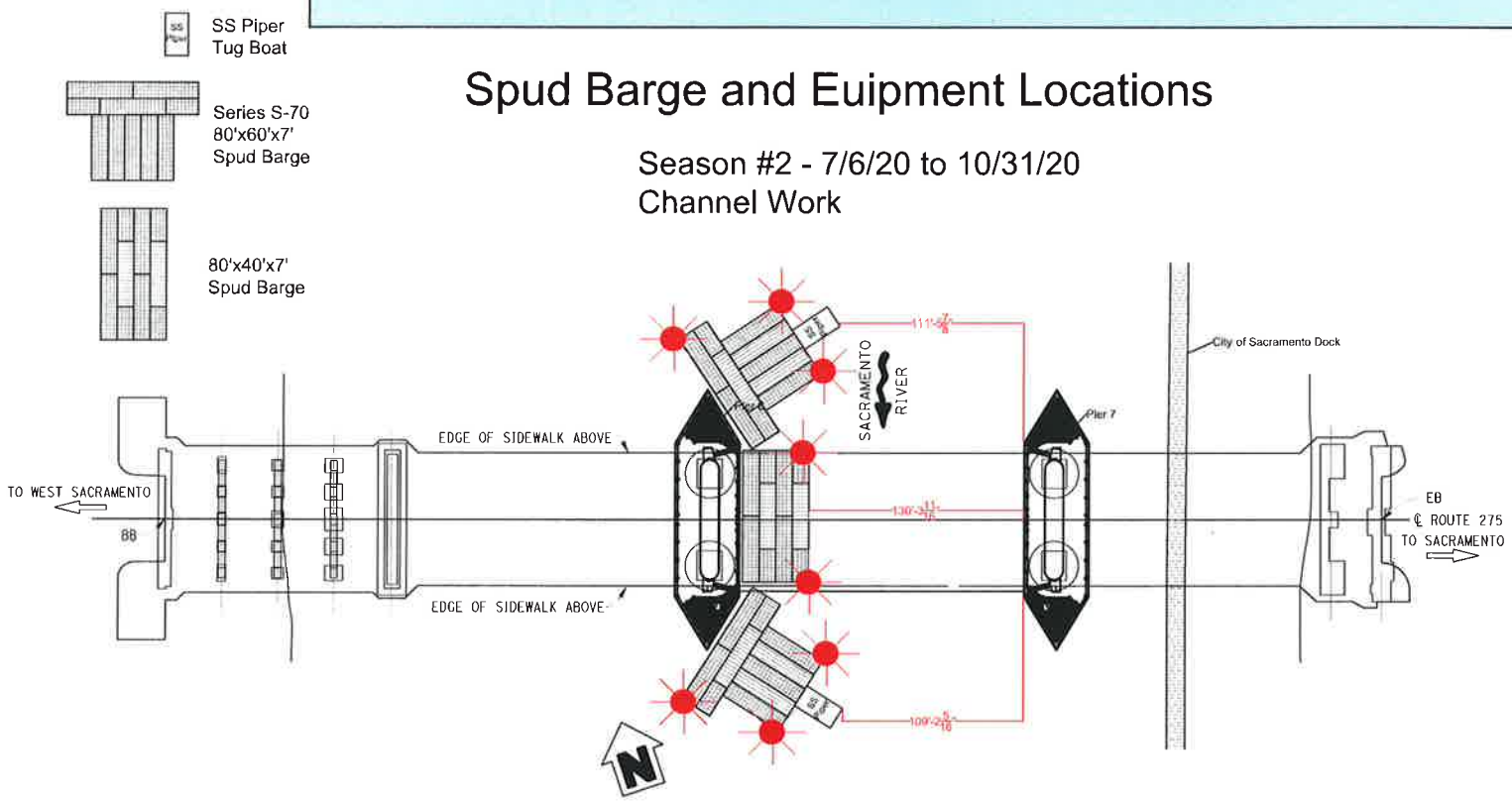
Cofferdams and a temporary trestle will be installed to facilitate construction of the replacement bridge. The temporary trestle will provide a center creek navigation channel with at least 20 feet of horizontal clearance and 3 feet of vertical clearance, from mean high water to the lowest hittable portion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

Temporary Barge Mooring
Pioneer Bridge, mile 58.2, Sacramento River



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

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

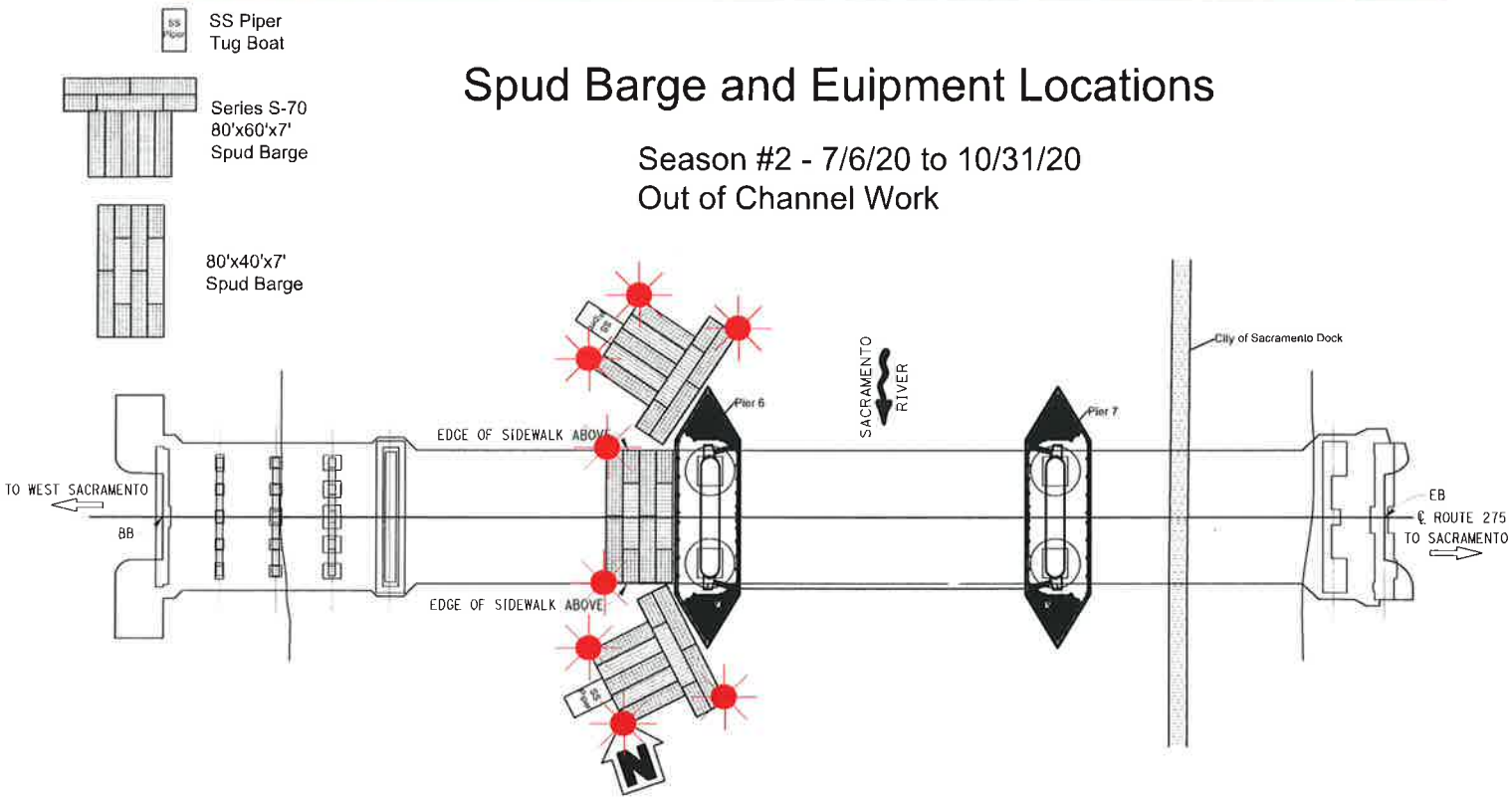


Spud Barge and Euipment Locations

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

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

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

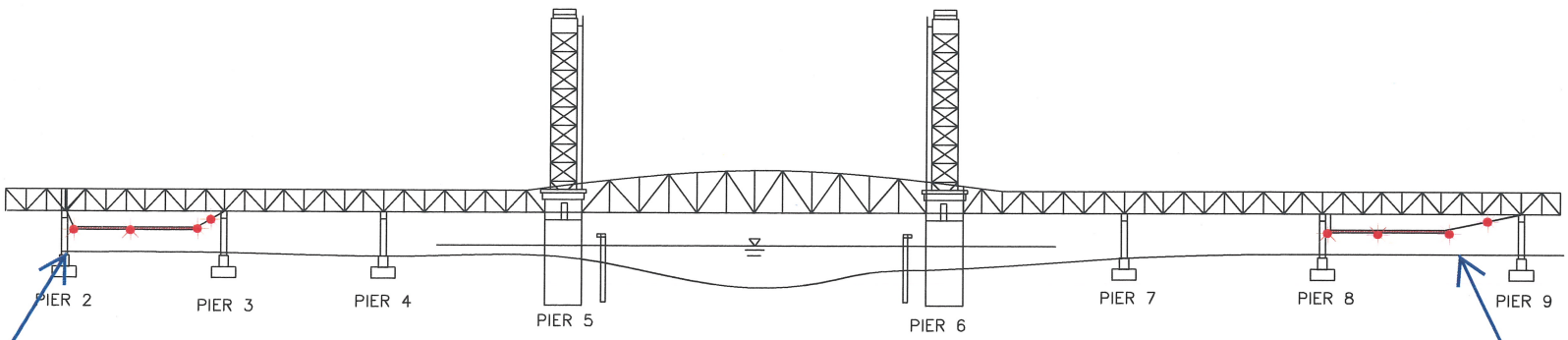


After normal working hours, the barges will be moored outboard of the drawspan of the bridge.
Each corner of the barge will be lighted at night with steady burning red lights so as to be seen from approaching vessels at 2,000 yards.

Temporary Underdeck Platform Lighting

Rio Vista Bridge

Mile 12.8, Sacramento River



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

STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION
Caltrans
FUNCTIONAL SUPERVISOR
CALCULATED – DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
BORDER LAST REVISED 7/27/2010
USERNAME => $USER
DGN FILE => $REQUEST
RELATIVE BORDER SCALE IS IN INCHES
UNIT
PROJECT NUMBER & PHASE
LAST REVISED
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

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

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COLREGS Demarcation Lines (33 CFR § 80)
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Inland Navigation Rules (33 CFR § 83)
Inland Navigation Rules – Implementing Rules (33 CFR § 89)
Vessel Traffic Management (33 CFR § 161)

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USCG Navigation Rules and Regulations Handbook, 2014 Edition

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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.

* * * * *

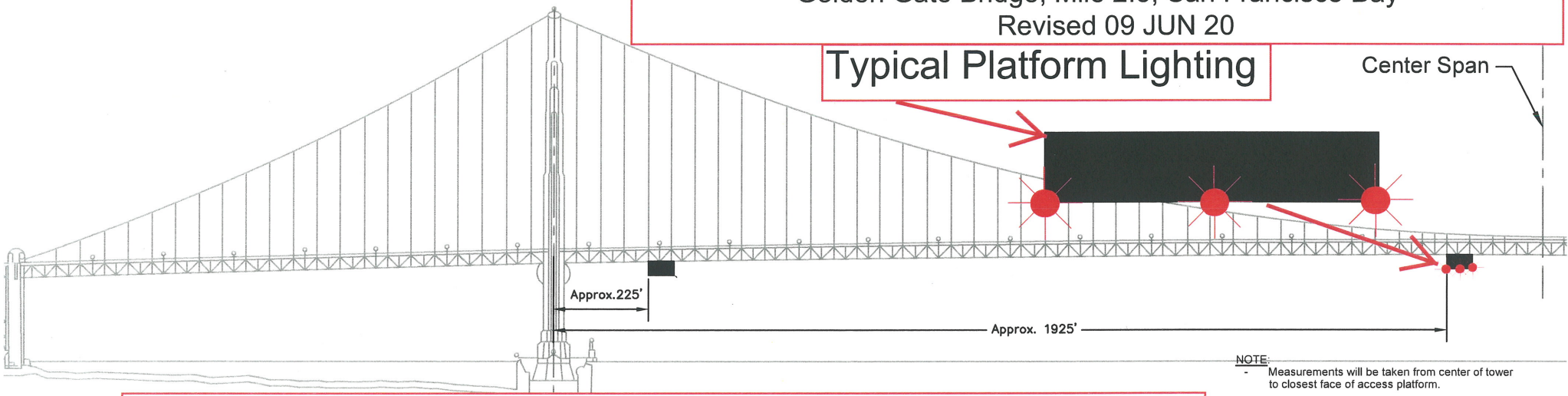
§ 161.70 [Amended]

■ 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 .

Temporary Access Platforms
Golden Gate Bridge, Mile 2.5, San Francisco Bay
Revised 09 JUN 20

Typical Platform Lighting



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.

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Golden Gate Bridge, Mile 2.5, San Francisco Bay
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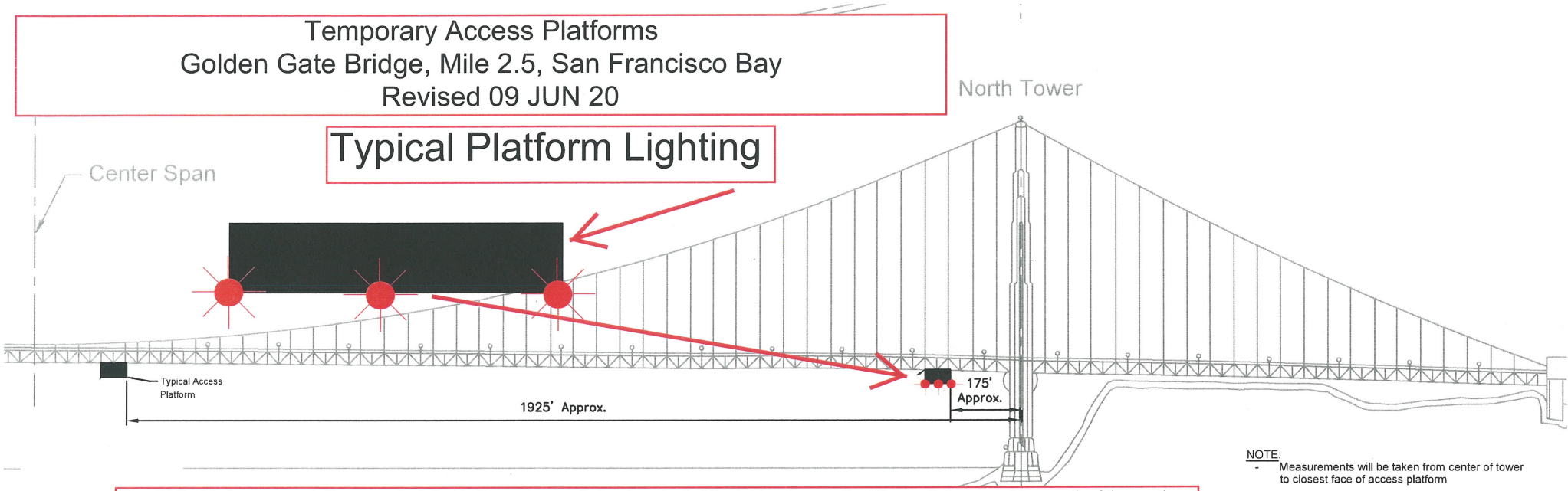

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U.S. Department of Homeland Security

United States Coast Guard

March 30, 2020

To: All Mariners

The National Oceanic and Atmospheric Administration (NOAA) with support from the United States Coast Guard (USCG) annually issues voluntary Vessel Speed Reduction (VSR) requests that go into effect May 1 off of San Francisco and May 15 off of southern California; please see the attached charts. The goal of these seasonal voluntary VSR zones is to reduce the risk of fatal ship strikes to endangered blue, fin, and humpback whales within and near Greater Farallones, Cordell Bank, Monterey Bay, and Channel Islands national marine sanctuaries. These species are protected under the Federal Endangered Species Act (16 U.S.C. 1538 et seq.), the Marine Mammal Protection Act (16 U.S.C. 1361 et seq.), and the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.). Any unauthorized take of whales, even if unintentional, by vessels transiting in U.S. waters violates federal statutes.

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

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

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

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

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

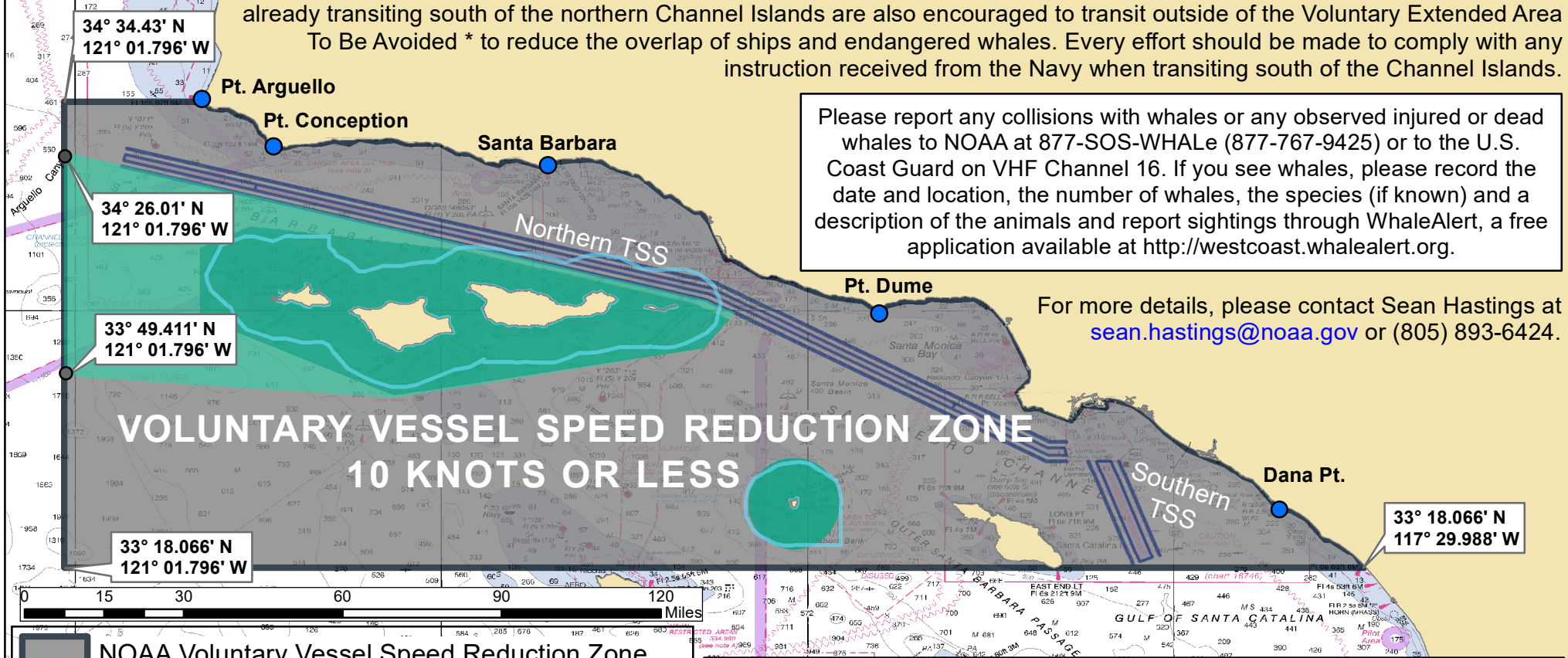
VOLUNTARY VESSEL SPEED REDUCTION ZONE TO REDUCE IMPACT OF SHIP STRIKES ON WHALES

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

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

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

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



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

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

NOAA Chart 18022

Chart not for navigational purposes.

15 MAY 2020

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

NOAA strongly recommends that vessels 300 gross registered tons or larger transit the San Francisco Traffic Separation Scheme (SF TSS) at 10 knots or less from May 1 - November 15, 2020. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 USC 1538 et seq.), the Marine Mammal Protection Act (16 USC 1361 et seq.), and the National Marine Sanctuaries Act (16 USC 1431 et seq).

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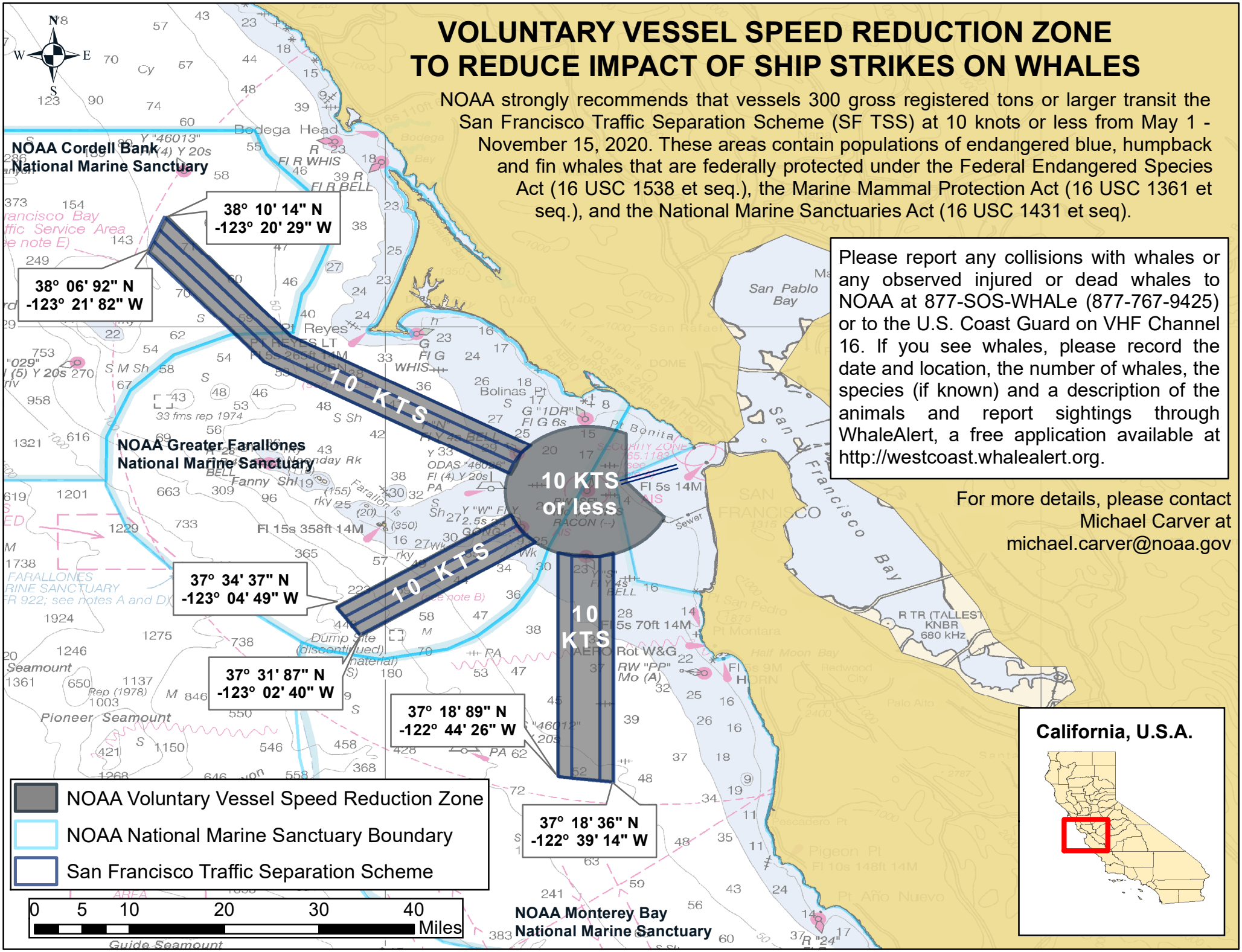
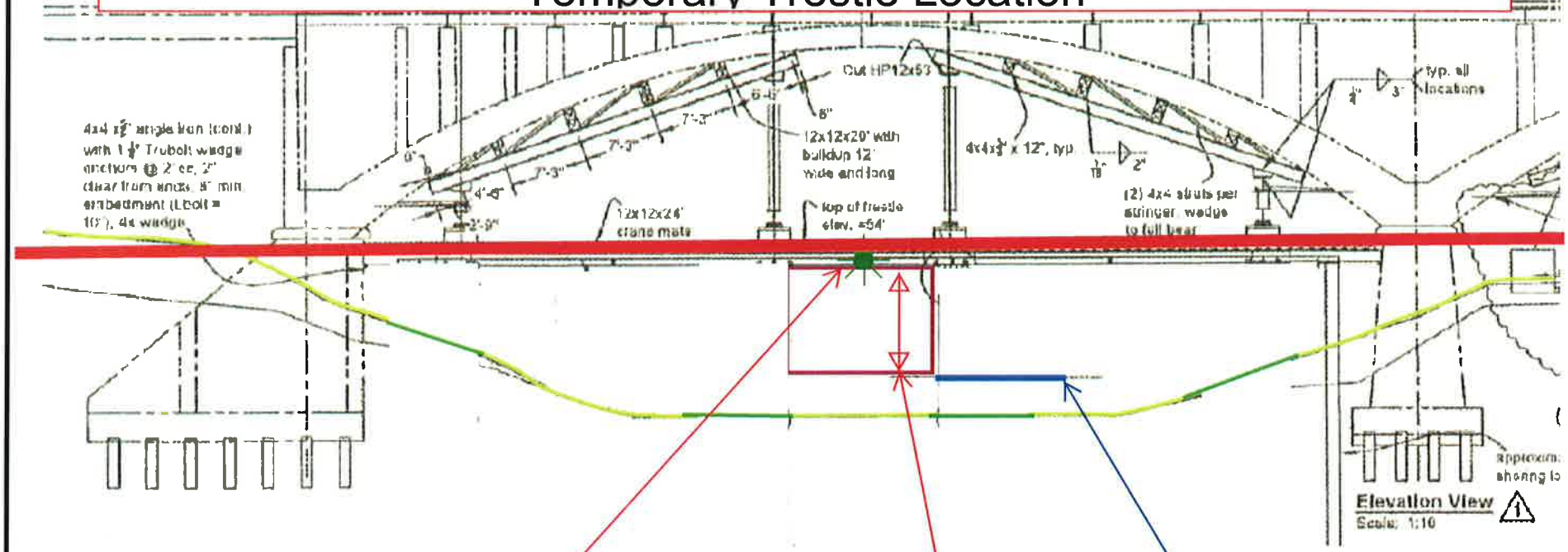


NOAA Chart 18010

This map is not to be used for navigational purposes

1 MAY 2020

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



LEGEND

- TEMPORARY TRESTLE

Green Center Channel Light

Minimum 9 feet Vertical clearance from summer high water to low steel of trestle

Summer High Water

- OPENING FOR RIVER TRAFFIC

NOT TO SCALE

EA#: 10-0L020	DATE: 1/23/20	Stanislaus River Bridge Temporary Trestle	EXHIBIT E

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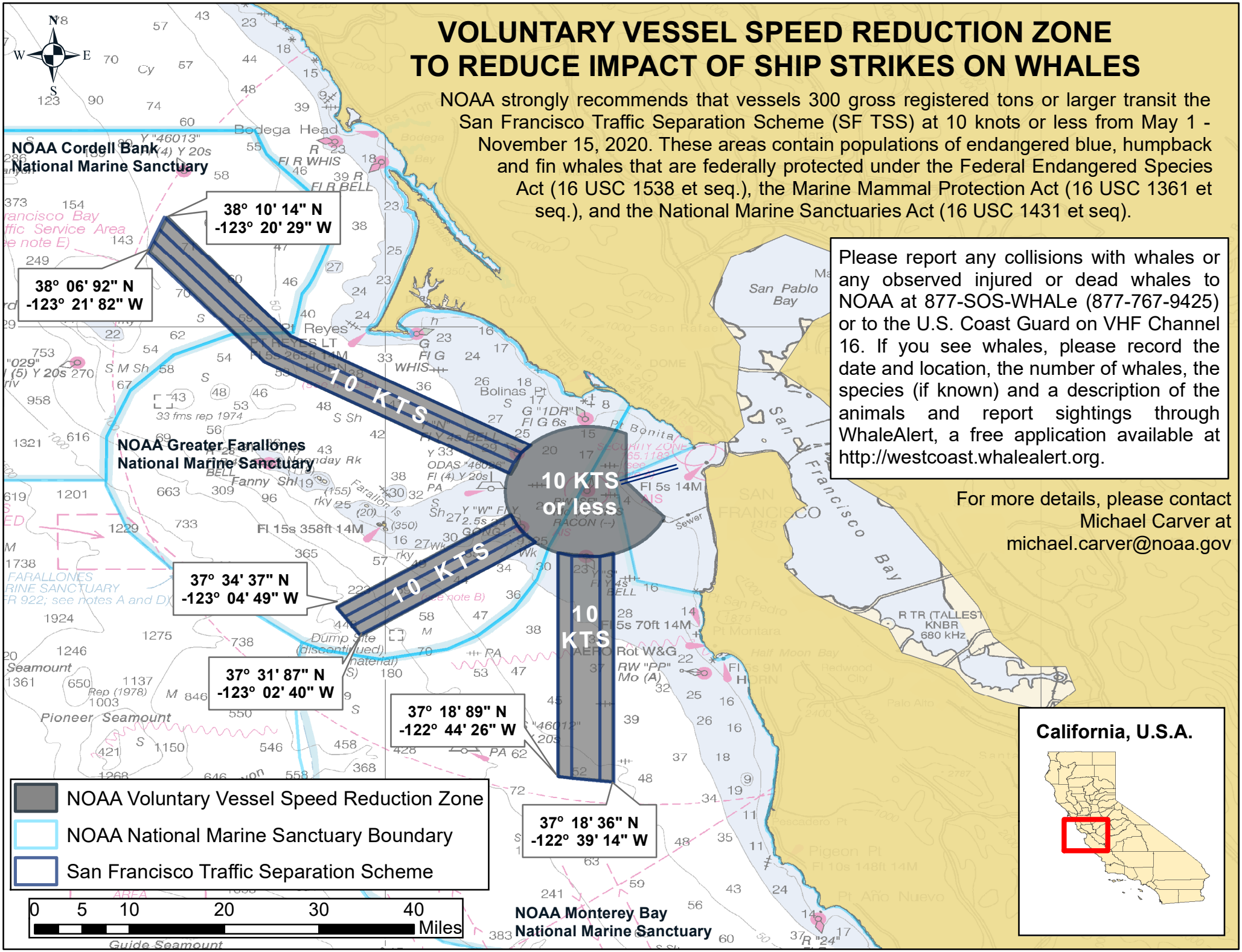

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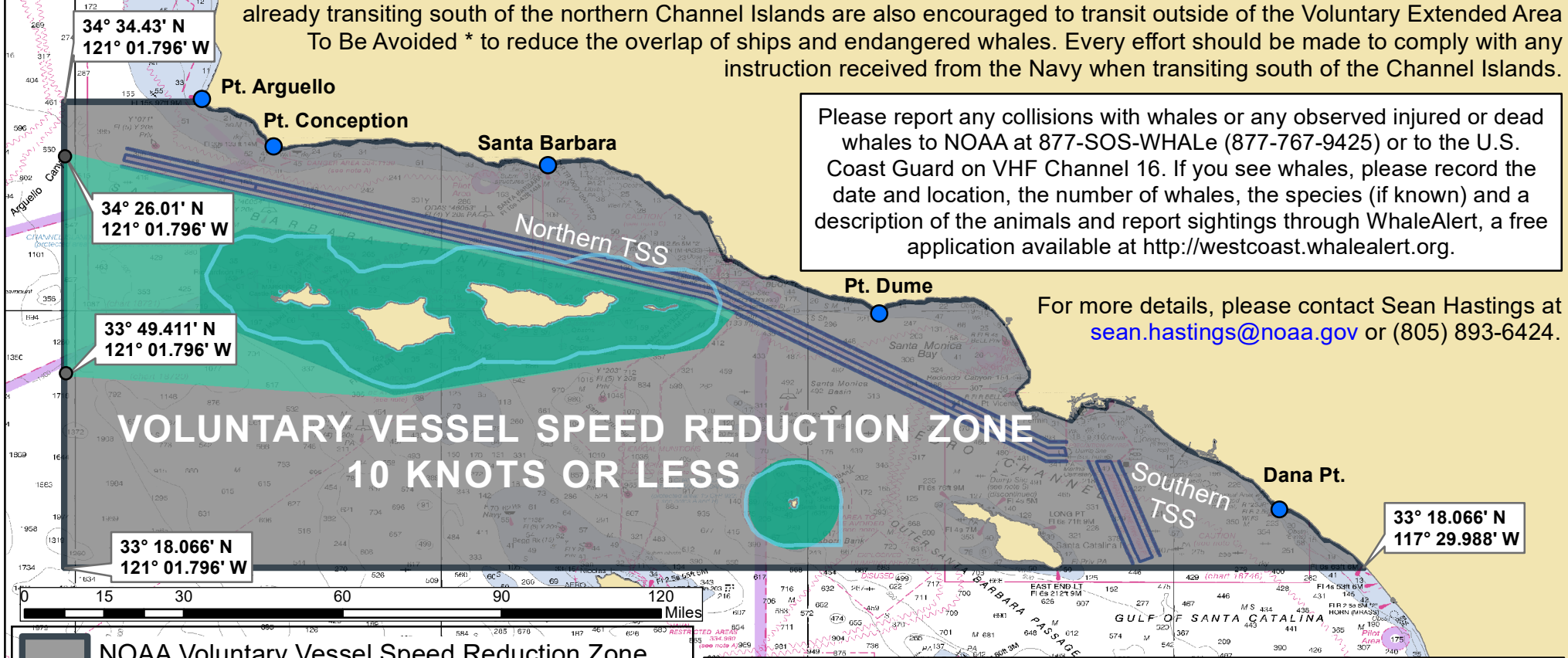

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NOAA Chart 18022

Chart not for navigational purposes.

15 MAY 2020

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!