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

# LOCAL NOTICE TO MARINERS

## District: 11 Week: 42/16

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

REFERENCES: COMDTPUB P16502.6, Light List Volume VI, 2016 Edition, U.S. Chart No.1 12th Edition, and Coast Pilot Volume 7 46th Edition. These publications, along with corrections, are available at: http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm.

BROADCAST NOTICE TO MARINERS - Information concerning aids to navigation and waterway management promulgated through BNM HB-0019-16, SF-0169-16, LA-0152-16, and SD-0138-16 have been incorporated in this notice, or will continue if still significant.

## SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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

A complete set of guidelines with examples and contact information can be found at http://www.uscg.mil/D11/DP/LnmRequest.asp or call BM1 Alfred Albert at 510-437-2980 or e-mail D11LNM@uscg.mil. Please provide all Local Notice to Mariners submissions 14 days prior to the start of operations.

### BRIDGE INFORMATION- PROJECTS, DISCREPANCIES, CORRECTIONS & REGULATORY

For all bridge related issues, including lighting, operation, obstructions, construction, demolition, etc. contact the Eleventh Coast Guard District Bridge Administrator 24 hour cell phone at 510-219-4366. Flotsam may accumulate on and near bridge piers and abutments. Mariners should approach all bridges with caution. A vessel delay at a drawbridge may be reported to the District Bridge Administrator by telephone, or by using the DelayRept0207.pdf included in the Enclosures section of this Local Notice to Mariners.

### MARINE SAFETY INFORMATION BULLETIN

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

LNM: 25/16

### PACIFIC OCEAN-OVERDUE VESSEL

The Coast Guard recieved a report of a overdue 35ft sailing vessel, 1600Z on 21 Sep 16. The sailing vessel WATER COLOUR has a white fiberglass hull with white sails and a pink dingy. S/V WATERCOLOUR departed Hilo, Hawaii on 01 Aug 16, enroute to Victoria, British Columbia with one adult male onboard. Mariners are requested to keep sharp lookout, attempt to hail S/V WATERCOLOUR on VHF/FM Chan. 16 and make reports to Coast Guard Pacific Area Command Center, RCC Alameda at 510-437-3701, telex at 230172343, and email at rccalameda1@uscg.mil. For additional information, please use the following link: https://www.piersystem.com/go/doc/4007/2886294/.

LNM: 40/16

## SECTION II - DISCREPANCIES

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

### DISCREPANCIES (FEDERAL AIDS)

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

| | | | | | |
|---|---|---|---|---|---|
| 1 | Dart Tsunami Warning Lighted Buoy Station 46412 | OFF STA | 18022 | SD-0103-15 | 37/15 |
| 30 | Mission Bay North Jetty Light 1 | MISSING | 18765 | SD-0005-16 | 05/16 |
| 365 | Mile Rocks Light | LT EXT/SS INOP | 18649 | 0585-13 | 52/13 |
| 510 | NOAA Environmental Lighted Buoy 46006 | ADRIFT | 501 | 0013-13 | 02/13 |
| 1620 | San Diego Bay Channel Lighted Buoy 16 | OFF STA | 18773 | SD-0136-16 | 41/16 |
| 2280 | Mission Bay North Jetty Light 1 | MISSING | 18765 | SD-0005-16 | 05/16 |
| 2470 | Newport Bay Channel Light 11 | STRUCT DEST/TRLB | 18754 | LA-0176-15 | 50/15 |
| 2805 | Anaheim Bay East Jetty Light 6 | TRLB/STRUCT DEST | 18749 | LA-0108-14 | 35/14 |
| 3010 | Long Beach Channel Approach Lighted Whistle Buoy LB | AIS INOP | 18749 | LA-0083-16 | 23/16 |
| 4245 | Mile Rocks Light | LT EXT/SS INOP | 18649 | 0585-13 | 52/13 |
| 5180 | Redwood Creek Entrance Light 2 | TRLB/STRUCT DEST | 18652 | SF-0153-15 | 34/15 |
| 5895 | Point Pinole Light P | DAYMK DMGD | 18654 | SF-0123-16 | 26/16 |
| 6165 | Napa River Light 8 | MISSING/TRLB | 18654 | SF-0123-14 | 34/14 |
| 6325 | Suisun Bay North Channel Light 2 | MISSING/TRLB | 18657 | SF-0240-15 | 01/16 |
| 6630 | New York Slough Light 7 | LT EXT | 18659 | SF-0078-16 | 18/16 |
| 6665 | San Joaquin River Daybeacon 1 | MISSING/TRUB | 18659 | SF-0017-16 | 04/16 |
| 6865 | San Joaquin River Light 47 | TRLB/STRUCT DEST | 18660 | SF-0113-15 | 26/15 |
| 7885 | Bodega Harbor Channel Daybeacon 22 | TRUB/STRUCT DEST | 18643 | 0669-12 | 01/13 |
| 7990 | Bodega Harbor Channel Daybeacon 44 | MISSING/TRUB | 18643 | SF-0230-15 | 50/15 |
| 8320 | Hookton Channel Light 8 | TRLB/STRUCT DEST | 18622 | HB-0036-14 | 47/14 |

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|---|---|---|---|---|---|---|
| 2829 | Anaheim Bay Channel Light 17 | WATCHING PROPERLY | 18749 | LA-0151-16 | 42/16 | 42/16 |
| 4310 | Alcatraz Bell Buoy | WATCHING PROPERLY | 18650 | SF-0162-16 | 41/16 | 42/16 |
| 6830 | San Joaquin River Light 39 | WATCHING PROPERLY | 18660 | SF-0165-16 | 42/16 | 42/16 |
| 6915 | Stockton Channel Light 2 | WATCHING PROPERLY | 18660 | SF-0166-16 | 42/16 | 42/16 |
| 6940 | Stockton Channel Light 8 | WATCHING PROPERLY | 18660 | SF-167-16 | 42/16 | 42/16 |

**DISCREPANCIES (PRIVATE AIDS)**

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|---|---|---|---|---|---|---|
| 20 | Ocean Beach Pier Fog Sound Signal | SS INOP | 18765 | SD-0097-16 | 30/16 | |
| 2080 | Coronado Cays Channel Daybeacon 5 | MISSING | 18773 | SD-0087-16 | 29/16 | |
| **4317** | **Alcatraz Wildlife Protection Area Buoy ALCZ1** | **OFF STA** | **18650** | **SF-0163-16** | **42/16** | |
| **4317.1** | **Alcatraz Wildlife Protection Area Buoy ALCZ2** | **LT EXT** | **18650** | **SF-0169-16** | **42/16** | |
| 6691 | Gaylord Turning Basin Daybeacon 3 | STRUCT DEST | 18660 | | 36/16 | |

**DISCREPANCIES (PRIVATE AIDS) CORRECTED**

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

**None**

**PLATFORM DISCREPANCIES**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|---|---|---|---|---|---|

**None**

**PLATFORM DISCREPANCIES CORRECTED**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|---|---|---|---|---|---|

**None**

## SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

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

**TEMPORARY CHANGES**

| LLNR | Aid Name | Status | Chart No. | BNM Ref. | LNM St | LNM End |
|---|---|---|---|---|---|---|
| 296 | NOAA Environmental Lighted Buoy 46044 | DISCONTINUED | 18680 | SF-0068-15 | 18/15 | |
| 448 | Dart Tsunami Warning Lighted Buoy Station 46411 | DISCONTINUED | 18010 | HB-0001-15 | 01/15 | |
| 2289.3 | Scripps Del Mar Lighted Research Buoy | DISCONTINUED | 18765 | NONE | 17/15 | |
| 2426 | Scripps Waverider Lighted Research Buoy 096 | DISCONTINUED | 18746 | | 25/16 | |
| 3860 | Morro Bay Channel Lighted Buoy 5 | RELOCATED DUE TO SHOALING | 18703 | LA-0010-16 | 07/16 | |
| 8105 | Noyo River Directional Light | DISCONTINUED FOR DREDGING | 18626 | HB-0019-16 | 41/16 | |

**TEMPORARY CHANGES CORRECTED**

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

**None**

**PLATFORM TEMPORARY CHANGES**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|---|---|---|---|---|---|

**None**

**PLATFORM TEMPORARY CHANGES CORRECTED**

| Name | Status | Position | BNM Ref. | LNM St | LNM End |
|---|---|---|---|---|---|

**None**

## SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

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

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

Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER

Main Panel 2245 NEW YORK HARBOR CGD01

(Temp) ADD NATIONAL DOCK CHANNEL BUOY 3 at 40-41-09.001N 074-02-48.001W

Green can

| Corrective Action | Object of Corrective Action | Position |
|---|---|---|

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

**18727** **12th Ed.** **01-JUL-04** **Last LNM: 12/05** **NAD 83** **42/16**

*ChartTitle:* **San Miguel Passage;Cuyler Harbor**

**Main Panel 1888 SAN MIGUEL PASSAGE. Page/Side: N/A**

ADD Sounding in Fathoms; 10 (NOS NW-25954) NOS 34-03-07.349N 120-15-56.924W

## SECTION V - ADVANCE NOTICES

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

### SUMMARY OF ADVANCED APPROVED PROJECTS

| Approved Project(s) | Project Date | Ref. LNM |
|---|---|---|
| None | | |

**Advance Notice(s)**

**LA/LB-LED CONVERSION**

The U.S. Coast Guard is planning to permanently change Point Vicente Light (LLNR 170) to an LED with a 14nm range. Advanced notice of implementation will be provided once scheduled. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18020 18022 18740 18746 LNM: 34/15

**SAN FRANCISCO BAY-CARQUINEZ STRAIGHT-ATON DISCONTINUANCE**

The U.S. Coast Guard is planning to discontinue Carquinez Light 22 (LLNR 6235). Advanced notice of implementation will be provided once scheduled. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18652 18656 18657 LNM: 09/15

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

The U.S. Coast Guard is planning to establish physical AIS transmitters on San Francisco Ship Channel Lighted Bell Buoy 1 (LLNR 4160) and San Francisco Ship Channel Lighted Whistle Buoy 2 (LLNR 4165) during the week of 13 Nov 2016. Vessels with AIS capable systems will be able to see the symbology and other information on their displays. For more information about AIS, mariners can go to the U.S. Coast Guard Navigation Center website page at http://www.navcen.uscg.gov/?pageName=AISmain.

In addition, the U.S. Coast Guard is proposing to change San Francisco Ship Channel Lighted Bell Buoy 1 (LLNR 4160) and San Francisco Ship Channel Lighted Whistle Buoy 2 (LLNR 4165) to a quick flash (Q) light characteristic.

Direct any questions or concerns to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18645 18649 LNM: 17/16

**SAN JOAQUIN RIVER-AID ESTABLISHMENT**

The U.S. Coast Guard is planning to permanently establish a lighted buoy on the east side of San Joaquin River across from San Joaquin River Light 56 (LLNR 6890). This aid will be established at approximate position: 38-04-07.54N 121-33-31.76W. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18660 18661 LNM: 16/15

## SECTION VI - PROPOSED CHANGES

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

### PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

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

**Proposed Change Notice(s)**

None

## SECTION VII - GENERAL

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

**ALAMEDA-BROOKLYN BASIN-OBSTRUCTION TO NAVIGATION**

There has been a report of a partially submerged 23ft sailing vessel in the vicinity of Brooklyn Basin near Coast Guard Island Bridge at 37-46-44N 122-14-37W. Mariners are requested to transit the area with caution.

Chart 18650 LNM: 36/16

**CARLSBAD-UNDERSEA OPERATIONS**

The Space and Naval Warfare Systems Center(SPAWAR) Pacific will be conducting undersea operations off the coast of Carlsbad, CA until 01 Nov

**CARLSBAD-UNDERSEA OPERATIONS**

16 at the following positions:
33-09-14N 117-23-38W
33-09-39N 117-24-32W
33-10-22N 117-23-16W
33-07-55N 117-21-00W
33-07-30N 117-21-46W

Rigid Hull Inflatable Boat (RHIB) 0437 will be on scene monitoring VHF-FM Chan. 16 and 81A. Mariners are requested to transit the area with caution and maintain a minimum safe distance of 1nm from the undersea operation site due to risk of entanglement. For more details or comments contact Michael Koppi at 619 341 2497.

Chart 18774 LNM: 42/16

**CHANNEL ISLANDS-RESEARCH BUOY DEPLOYMENT**

Scripps Institute of Oceanography has established a lighted research buoy in the vicinity of Channel Islands at 34-05-52N 119-05-57W. The buoy is 4ft tall, painted yellow, and displays a Fl Y 4s characteristic. It will remain on station until 30 Oct 16. For more details or comments contact Lisa Hazard at 858-822-2873 or lhazard@ucsd.edu.

Chart 18720 LNM: 25/16

**COLORADO RIVER-BRIDGE**

TOPOCK PIPELINE BRIDGE (OLD ROUTE 66) - Bridge truss installation is in progress Monday through Saturday, 0700 to 1600. Temporary scaffolding is extended 150 feet from the California shore toward the channel, reducing vertical clearance by approximately 10 feet (see Topock_Scaffold.pdf in the enclosure section of this notice). The bottom of the scaffolding will be lighted at night with steady burning all-round red lights. (See Topock_Lighting1.pdf in the enclosure section of this notice). For conditions at the bridge, mariners can contact the contractor at 510-866-6451 or 510-974-5223 or 415-264-2927. For further information mariners can contact the Coast Guard Bridge office at 510-437-3515.

LNM: 35/16

**DANA POINT-GEOPHYSICAL SURVEY**

EcoSystems Management Associates, Inc will conduct geophysical survey operations offshore Dana Point, near San Juan Creek during daylight hours until 21 Oct 16. The M/V THEORY will monitor VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Dr. Hany Elwany at 858-459-0008 or hany@coastalenvironments.com.

Chart 18746 LNM: 39/16

**DELTA & RIVER-NAPA RIVER-VALLEJO- DREDGING**

Salt River Construction is conducting dredging operations in Vallejo Marina at 38-06-31N 122-16-13W until 30 Nov 16. The self-contained dredge/dump barge DB1, DB2, and tug IRENE LAURITZEN will be on site monitoring VHF-FM Chan. 13, 14, and 77. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

Charts: 18652 18655 LNM: 32/16

**DELTA & RIVERS-DELTA CROSS CHANNEL-SALMON TAG AND MONITORING OPERATIONS**

The Bureau of Reclamation will be conducting fall-run Chinook salmon capture, tagging, and monitoring device installations Mon-Sun, until 30 Nov 16 in the vicinity of Delta Cross Channel and Deadhorse Island. There will be seven acoustic telemetry devices and two dual frequency identification sonar units installed. Three steel fyke nets and trammel nets will be fished couple times a week during this time frame and will be marked by floating buoys. For more details or comments contact Zachary Sutphin at 303-328-8597.

Charts: 18661 18662 LNM: 39/16

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

ORWOOD RD BRIDGE REPLACEMENT- Construction of the replacement bridge is in progress. A temporary trestle has been installed just south of the existing bridge. A temporary orange boom has been placed on the south side of the existing bridge to the north side of the EBMUD pipeline bridge. The piers of the pipeline bridge and the piers of the existing Orwood Rd Bridge will be lighted at night with fixed red lights (see Orwood_Lighting_Diagram2.pdf in enclosure section). A 17ft wide navigation channel has been established on the eastern portion of the project site for the transit of vessels. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18661 LNM: 25/15

**DELTA & RIVERS-NOYO RIVER-DREDGING**

Camenzind Dredging Inc. will be conducting continuous dredging operations in Noyo River between 39-25-39N 123-48-39W and 39-25-27N 123-48-08W, 24 hours a day, 7 days a week until 15 Nov 16. Dredged material will be disposed at Historical Upland Disposal Site. The submerged pipeline will be marked with yellow floats and anchors with white buoys. PAUL VINCENT, FESTER, POSEIDON, and various skiffs will be monitoring VHF-FM Chan. 16 and 67. Mariners are requested to transit the area with caution. For more details or comments contact Project Manager, Kurt Camenzind at 650-424-0367.

Chart 18626 LNM: 40/16

**DELTA & RIVERS-RIVER BARRIER-REMOVAL OPERATIONS**

The California Department of Water Resources is conducting river barrier removal operations at the following sites:
Old River near Tracy-19 Oct-08 Nov 16
Middle River-08-18 Nov 16
Head of Old River-09-24 Nov 16
Grant Line Canal-04-29 Nov 16

**DELTA & RIVERS-RIVER BARRIER-REMOVAL OPERATIONS**

Mariners are requested to transit the areas with caution. For more details or comments contact Jacob McQuirk at 916-653-9883.

Chart 18661 LNM: 42/16

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

TOWER DRAWBRIDGE-The drawspan will be secured in the closed-to-navigation positionfrom 0730-1100 on 23 Oct 16, and from 0800-1030 on 06 Nov 16 to allow community participation in the Golden Arches Run and the Run Because You Can 5K events, respectively. In the event of an emergency, the drawspan can be operated normally. The bridge provides 30ft vertical clearance above mean high water when closed. Vessels that can transit the bridge while in the closed position may continue to do so at any time.

Chart 18662 LNM: 32/16

**DELTA & RIVERS-SACRAMENTO RIVER-OBSTRUCTION TO NAVIGATION**

There has been a report of a partially submerged tree near Sacramento Deep Water Ship Channel Light 24 (LLNR 7280) at 38-07-22N 121-41-55W. Mariners are requested to transit the area with caution.

Chart 18661 LNM: 39/16

**DELTA & RIVERS-SACRAMENTO RIVER-OBSTUCTION TO NAVIGATION**

There has been a report of a partially submerged log in the vicinity of the Sacramento Tower Lift Bridge. Mariners are requested to transit the area with caution.

Chart 18662 LNM: 39/16

**DELTA & RIVERS-SACRAMENTO RIVER-ROCK REPLACEMENT**

RDA Contracting Inc. will be conducting the Sacramento River Bank Protection Project in Sacramento River near Isleton, CA until 23 Nov 16. The project site is located along the south bank of the river at 38-09-47N 121-37-04W and the mooring barge at 38-09-52N 121-37-03W. Crane barge 8, tug LINDA T, and barges will be transiting the work site throughout the duration of the project and will monitor VHF/FM Chan. 7. Mariners are requested to transit the area with caution. For more details or comments contact Ryan Abood at 916-601-0080.

Chart 18661 LNM: 36/16

**DELTA & RIVERS-STOCKTON-DREDGING**

Ross Island Sand & Gravel Co. will conduct dredging operations in Stockton Deep Water Ship Channel between 38-01-37N 121-46-20W and 38-05-38N 121-34-30W until 01 Dec 16. The submerged dredge pipe will be placed at these following positions:

38-01-46N 121-45-37W
38-02-43N 121-42-40W
38-04-08N 121-40-29W
38-06-19N 121-36-56W

DREDGE 8 will be on site monitoring VHF-FM Chan. 13, 16, and 79. Mariners are requested to transit the area with caution. For more details or comments contact Rod Oliva at 503-349-7436.

Chart 18661 LNM: 38/16

**DELTA & RIVERS-SUISUN BAY-MONTEZUMA SLOUGH SALINITY CONTROL GATES-LOCK OPERATIONS**

The California Department of Water Resources has installed flashboards across the Suisun Marsh Salinity Control Structure maintenance channel at 38-05-36N 121-53-07W and begun operating the boat lock. All vessels requiring passage in either direction must use the boat lock. The boat lock will operate from 0700-1700 daily until 31 May 17, and will monitor VHF-FM Chan. 13 during operating hours. The boat lock signal is a standard traffic light. Whistle signals to request opening are two prolonged blasts followed by two short blasts. Full instructions on passage including an emergency phone number are posted on site. The boat lock is located on the east side of the channel and provides the following clearances: 16ft horizontally; 9ft over the sill at MLLW; 70ft in length between sector gates; and no vertical impairment. The piers will be marked by fixed red lights, and other parts of the structure will be marked by fixed yellow lights.

Mariners should be aware a shoal area exists along the east bank on both sides of the structure extending approximately 50ft out from the existing levee. Marker buoys have been placed to identify the area. Mariners are also advised that the Salinity Control Structure operations can, at times, create currents at the site greater than currents in other areas of Montezuma Slough. Mariners are requested to transit the area with caution. For more details or comments contact Dan Yamanaka at 916-574-0456.

Chart 18656 LNM: 39/16

**DELTA AND RIVERS-NAPA RIVER-DREDGING**

Camenzind Dredging Inc. will be conducting continuous dredging operations in Napa River between 38-17-51N 122-16-58W and 38-10-57N 122-18-31W 24 hours a day 7 days a week until 15 Dec 16. Dredged material will be disposed at Imola Upland Disposal Site and Napa Pipe Upland Disposal Site. The submerged pipeline will be marked with yellow floats and anchors with white buoys. PAUL VINCENT, FESTER and various skiffs will be monitoring VHF-FM Chan. 16 and 67. Mariners are requested to transit the area with caution. For more details or comments contact Project Manager, Kurt Camenzind at 650-424-0367.

Chart 18654 LNM: 34/16

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

CS Marine Contractors, Inc. will be conducting marine operations at San Joaquin River on the east side of the Antioch Bridge between 38-01-46N 121-44-57W and 38-01-12N 121-44-55W until 31 Oct 16. The operations consist of pipeline removal and diving operations. The derrick barge D/B MARE ISLAND will be onsite and will be tended by tug WESTAR. The derrick barge will be moored with four anchors in a four-point mooring system that will extend out as much as 500 feet from the corners of the derrick barge or be moored by its spuds. When moored on anchors, each of the

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

four anchors will be marked by a 5 ft diameter steel spherical crown buoy painted white with a horizontal blue stripe. The buoys will be lighted at night with flashing white strobes. Mariners are requested to transit the area with caution and maintain a minimum safe distance of 500ft from the barge. D/B MARE ISLAND and WESTAR will be monitoring VHF-FM Chan. 14 and 16. For more details or comments, contact Jeff Thompson at (707) 562-4100.

Chart 18661 LNM: 30/16

**HERMOSA BEACH-DIVING OPERATIONS**

Haaland Diving Inc. will be conducting dive operations off of Hermosa Beach at 33-52-19N 118-24-58W until 20 Nov 16. M/V DANNY C will be on scene monitoring VHF/FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Tony Haaland at 805-403-4560 or 805-692-5951.

Chart 18748 LNM: 38/16

**HUMBOLDT BAY-HOOKTON CHANNEL-SUNKEN VESSEL**

A sunken 96.6ft sailing vessel has sunk in the vicinity of Hookton channel at 40-43-54N 124-13-09W. The vessel's mast is out of the water at low tide and is marked by a quick flashing green light. Mariners are requested to transit the area with caution.

Chart 18622 LNM: 09/16

**HUMBOLDT BAY-WAVERIDER BUOY DEPLOYED**

Scripps Institutions of Oceanography has deployed a waverider buoy 9nm northwest of Humboldt Bay at 40-53-45N 124-21-25W. The buoy is a 3ft diameter sphere with an attached telemetry whip antenna and is lighted with a flashing yellow light. Visual range is 1000yds. The buoy is painted yellow and marked "Wave Buoy" with the phone number 858-534-3032.

Chart 18620 LNM: 22/16

**HUNTINGTON BEACH-TEMPORARY SAFETY ZONE**

The Breitling Huntington Beach Airshow will be occurring off of Huntington Beach, CA, until 23 Oct 16. The Coast Guard is establishing a temporary safety zone, encompassing all navigable waters from the surface to the sea floor within the following coordinates:

33-38-04.26N 117-58-20.64W
33-37-39.90N 117-58-42.72W
33-38-52.20N 118-00-37.92W
33-39-16.56N 118-00-15.84W

The temporary safety zone will only be enforced during actual airshow demonstrations. Airshow demonstrations are scheduled to commence from 0900-1800 daily on 20-23 Oct 16. During the enforcement period, vessels are prohibited from entering into, transiting through, or remaining within the temporary safety zone unless authorized by the Captain of the Port or her designated representative. Enforcement of the zone will be advertised via Broadcast Notice to Mariners.

Chart 18746 LNM: 41/16

**IDAHO-OWYHEE COUNTY-GPS TESTING**

GPS testing will be conducted at the Owyhee County, ID site with an approximate center point of 42-22-43N 115-45-12W and possible impact radius of 356nm from center point on the following dates and time:

01 NOV 16: 0000Z-0230Z & 1730Z-2359Z
02 NOV 16: 0000Z-0330Z & 1730Z-2359Z
03-04 NOV 16: 0000Z-0130Z & 1730Z-2359Z

Mariners transiting this area may experience a disruption in their GPS signal. Systems that rely on GPS, such as E-911, AIS and DSC, may be unreliable during the test periods. More information is available on the Coast Guard Navigation Center website WWW.NAVCEN.USCG.GOV. GPS users are encouraged to report any GPS service outages to the Navigation Information service (NIS) at 703-313-5900, or by using the NAVCEN website to submit a GPS problem report. For more details or comments contact the Navigation Information Service (NIS) watch stander at 703-313-5900.

Chart 18022 LNM: 41/16

**LONG BEACH-ANAHEIM BAY-TEMPORARY BUOY**

The U.S. Coast Guard has established a temporary lighted buoy at 33-43-33.809N 118-06-02.318W to mark the end of the damaged Anaheim Bay East Jetty. The buoy displays a Fl Red 2.5s characteristic. It will be discontinued when Anaheim Bay East Jetty Light 6 (LLNR 2805) is reestablished. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Chart 18749 LNM: 48/14

**LONG BEACH-EL SEGUNDO-SURVEY OPERATIONS**

Fugro Pelagos, Inc. will be conducting bathymetric and side scan sonar surveys off of El Segundo during daylight hours until 23 Nov 16. The survey area extends from the shoreline and encompasses an area bounded by the following coordinates:

33-55-03N 118-27-55W
33-55-04N 118-26-30W
33-53-55N 118-26-29W
33-53-55N 118-27-55W

M/V JULIE ANN Theory will be towing up to 300ft of cable during mapping operations. M/V JULIE ANN will monitor VHF-FM Chan. 16 while conducting survey operations. For more details or comments contact Project Manager Eddie Stutts at 805-650-7000.

Chart 18744 LNM: 41/16

**LONG BEACH-MARINE CONSTRUCTION**

Connolly-Pacific Co. will conduct repairs to the Middle / Long Beach federal breakwater Mon-Fri during daylight hours until 15 Dec 17. Derrick barge LONG BEACH will place armor stone on damaged section of the Middle and Long Beach Breakwater and will use anchors to position itself along the breakwater to keep from the main channel. Tug DURANGO and derrick barge LONG BEACH will be on site monitoring VHF FM Chan. 13, 16, 73, 78, 79, and 79A. Mariners are requested to transit the area with caution. For more details or comments contact Ron Allard at 562-577-0814 or Luis Camacho at 562-577-0718.

Chart 18751 LNM: 45/15

**LONG BEACH-MARINE CONSTRUCTION**

Connoly-Pacific Co. will be building a containment dike in East Basin, Long Beach at 33-45-19.130N 118-12-40.136W from 0700-1530 Mon-Fri until 30 Aug 17. Dive operations will begin from 0630-1530 on weekdays during daylight hours to remove mooring piles. The derrick barge LOS ANGELES is aware of active terminal at Berth F and will stay clear of vessel traffic. Tug DURANGO and derrick barge LOS ANGELES will be on site monitoring VHF FM Chan. 13, 16, 78, 79A. Mariners are requested to transit the area with caution. For more details or comments contact Ron Allard at 562-577-0814 or Luis Camacho at 562-577-0718.

Chart 18751 LNM: 11/16

**LONG BEACH-MIDDLE HARBOR-MARINE CONSTRUCTION**

Manson Construction Company is conducting continuous filling operations until 15 Sep 17 in the vicinity of Long Beach Middle Harbor within the following coordinates:

33-45-02N 118-13- 59W
33-45-21N 118-12-36W
33-46-04N 118-13-19W

Tugs ELMER and JEFFREY M along with Derrick barges VALHALLA, VULCAN, NJORD, and H.R. MORRIS will monitor VHF-FM Chan. 13, 16, and 71. Mariners are requested to transit the area with caution. For more details or comments contact Dylan Porter at 562-283-7100 or dylan.porter@polb.com.

Charts: 18749 18751 LNM: 12/16

**LONG BEACH-NEWPORT BAY-GRAND CANAL-BRIDGE**

PARK AVE BRIDGE REPLACEMENT–The City of Newport Beach's contractor, John S. Meek Company Inc., is replacing the Park Ave Bridge over Grand Canal. Construction is anticipated to be completed by 31 Jan 17. A temporary bridge has been constructed to facilitate construction of the replacement bridge. The Captain of the Port Los Angeles-Long Beach has established a temporary safety zone in support of navigation safety during construction (see SafetyZoneGrandCanal in the enclosure section). Persons and vessels are prohibited from entering into, departing from, transiting through, or anchoring within the designated area unless authorized by the Captain of the Port Los Angeles-Long Beach or her designated representatives. For conditions at the construction site mariners can contact the John S. Meeks Co at 310-505-7515; 310-482-7367; 310-505-3906; or the City of Newport Beach at 949-644-3321. For further information mariners can contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18754 LNM: 13/16

**LONG BEACH-SAN PEDRO BAY-DIVE OPERATIONS**

Aqueos Corporation will be utilizing divers for pipeline work on the DCOR platforms Eva at 33-39-42N 118-03-43W and Esther at 33-43-07N 118-06-50W until 25 Oct 16. Work will be performed during daylight hours on the pipelines extending from each platform to shore. M/V JAB will monitor VHF-FM Chan. 16 and can also be contacted via cell phone at 805-746-4242. Mariners are requested to transit the area with caution. For more details or comments contact Jason Smith at 805-205-3156.

Chart 18749 LNM: 42/16

**LOS ANGELES-FENDER REMOVAL**

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

Chart 18749 LNM: 30/16

**LOS ANGELES-MALIBU-OBSTRUCTION TO NAVIGATION**

There has been a report of a mooring buoy sinking off of Malibu pier in the vicinity of 34-02-02N 118-40-21W. Mariners are requested to transit the area with caution and report any relevant observations regarding this buoy to the U.S Coast Guard on Chan. 16.

Chart 18744 LNM: 04/16

**LOS ANGELES-MARINA DEL REY-SHOALING**

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

Chart 18744 LNM: 30/16

**MONTEREY BAY-BUOY DEPLOYMENT**

The Monterey Bay Aquarium Research Institute (MBARI) deployed a monitoring buoy off of Monterey at 36-50-03N 121-53-52W. The surface buoy is conical, bright yellow, 16 inch diameter, 3ft high, with a flashing amber light and radar reflector. The buoy will remain on station until 27 Oct 16. For more details or comments James Birch at 831-775-2062 or email at jbirch@mbari.org.

Chart 18685 LNM: 38/16

**MONTEREY BAY-MOSS LANDING-ROV OPERATIONS**

The Monterey Bay Aquarium Research Institute (MBARI) will conduct continuous, unmanned maritime vehicle data collection operations off of Moss Landing between 35-07-14N 122-58-35W and 37-12N 122-58-35W until 28 Oct 16. The Wave Glider is designed to conduct scientific data collection operations. It carries no fuel, lubricants, or hydrocarbons. It is wave powered, remotely attended by MBARI, moving at speeds of around 1kt, and designed to give way or part if encountered by a vessel. The vehicle is approximately 6.5ft x 2ft (surfboard size), yellow in color, with a contact plaque and mast extending 1 meter above the water surface supporting a flag. Mariners are requested to transit the area with caution. For more details or comments contact MBARI at 831-775-1700 wavglider@listserver.mbari.org or Liquid Robotics 24/7 WGOC Operations Center at 888-574-4574 / 408-636-4205.

Chart 18685 LNM: 34/16

**NEWPORT BAY-DREDGING**

Associated Pacific Constructors Inc. will conduct dredging operations in the Linda Isle residential area in Newport Bay until 09 Dec 16. A temporary mooring area will be established just north of the entrance channel with anchors at 33-36-43N 117-54-23W and 33-36-39N 117-54-20W. Mooring anchors will be marked with two 12ft 40inch white lighted buoys; moored vessels will be lighted with flashing yellow lights at each end. Dredged material will be disposed off at LA-3 disposal site. The excavator barge MERI, tug AMERICAN SPIRIT, BALANA, and assistant vessel BREE TESSA will monitor VHF-FM Chan. 14, 16, and 80A. Mariners are requested to transit the area with caution. For more details or comments contact Paul Gillen at 805-234-5055 or paul@associatedpacific.com.

Chart 18754 LNM: 35/16

**NEWPORT BAY-TEMPORARY MOORING BUOY**

A 5ft diameter temporary mooring buoy has been established for M/V INVICTUS in Newport Bay at 33-37-02-38N 117-55-28-12W. The buoy will remain in position until approximately 20 Nov 16. For more details or comments contact David Nutkins at 323-533-1314.

Chart 18754 LNM: 31/16

**NEWPORT BEACH-TEMPORARY ANCHORAGE**

The city of Newport Beach will be installing a temporary anchorage in the western-most part of Newport Harbor near Lido Marina Village. The temporary anchorage will be in effect until 20 Nov 16 and is marked by four small, unlit buoys in the following coordinates:

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

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

Chart 18754 LNM: 23/16

**NEWPORT HARBOR-MARINE CONSTRUCTION**

John S Meek Company Inc. will conducting marine construction in Newport Harbor until 30 Dec 16. The project consists of removal of existing marine ways assembly and four foundation piles. The installation of a new sheet pile wall located directly against the existing sheet pile wall. A new marine ways assembly will be installed consisting of a steel frame 8ft-8inch wide x 53ft-2 inch long totaling approximately 461 square feet including eight steel pipe pile. Mariners are requested to transit the area with caution. For more details and comments contact Chad Goodwin at 310-830-6323.

Chart 18754 LNM: 41/16

**OAKLAND INNER HARBOR-LAKE MERRITT CHANNEL-BRIDGE**

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

Chart 18649 LNM: 20/16

**PETALUMA RIVER-SHOALING**

Shoaling has been reported at the Haystack Landing Railroad Bridge in Petaluma. The shoaling extends from the bridge pier on the north bank of the river, 80ft downstream and 140ft upstream from the bridge. The shoaling extends approximately 25ft into the channel. Mariners are requested to transit the area with caution. For more details or comments contact the District Bridge Administrator at 510-437-3516.

Chart 18654 LNM: 51/15

**PIGEON POINT-DGPS UNUSABLE TIME**

Unusable time has been authorized for maintenance at the Point Loma, CA DGPS site for the following dates and time:

1600Z-2100Z 27 Oct 16(primary)
1600Z-2100Z 28 Oct 16(alternate)

For more details or comments contact the Navigation Information Service (NIS) at 703-313-5900 or visit the Coast Guard Navigation Center website WWW.NAVCEN.USCG.GOV.

Chart 18022 LNM: 40/16

**POINT ARGUELLO AND DANA POINT AREA-TSS SPEED REDUCTION**

Vessels transiting the area between Point Arguello and Dana Point, including the Traffic Separation Schemes in the Santa Barbara Channel and San Pedro Channel, from June through November, should exercise caution and consider reducing speed. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 U.S.C. 1538 et seq.), the Marine Mammal Protection Act (16 U.S.C. 1361 et seq.), and the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.).
NOAA strongly recommends that vessels 300 gross registered tons or larger transiting the Santa Barbara Channel Traffic Separation Scheme between Carrington Point, Santa Rosa Island and Diablo Point, Santa Cruz Island, do so at speeds not in excess of 10 kts due to endangered whales in the area (see SB Channel speed reduction zone.pdf).
Please report any collisions with whales or any observed injured or dead whales to NOAA at 877-SOS-WHALe (877-767-9425) or to the U.S. Coast Guard on VHF Channel 16.
NOAA is asking for the public's help in tracking whales. If you see whales, please record the date and location, the number of whales, the species (if known) and a description of the animals. Please email whales@noaa.gov. You can also report whales through WhaleAlert, a free application available at http://westcoast.whalealert.org. For more details or comments contact Sean Hastings, sean.hastings@noaa.gov.

Chart 18720 LNM: 26/16

**PORT HUENEME-ATMOSPHERIC SURVEY**

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

Chart 18724 LNM: 23/16

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

REPLACEMENT SCHUYLER HEIM BRIDGE CONSTRUCTION - Caltrans has installed turbidity curtains around the in-water piers in during pier removal over the next several months. The curtains lining the navigational channel through the trestles will be on the outside of the channel, behind the trestle wall, away from passing vessels. Vessel prop wash should be controlled to avoid damaging the turbidity curtains. Divers will be used to check the curtains as well as other work associated with bridge removal. Divers will be supported by dive vessels and support crews. The dive vessel will be on scene, out of the channel, during daylight hours, Mon-Sat, and moored off site when not in use. The dive vessel will monitor VHF-FM channel 13, 16, and 80A. The dive company, American Marine Corporation, will notify the Coast Guard Sector Los Angeles - Long Beach Command Center prior to deploying divers, if divers relocate, and upon conclusion of daily dive operations. The Coast Guard will issue a Broadcast Notice to Mariners during dive operations. Vessels needing to transit in the vicinity of dive operations are requested to contact AMERICAN MARINE DIVE VESSEL via marine radio at least 30 minutes prior to transiting the area to ensure diver safety. Mariners may contact USCG Sector LA/LB Command Center at 310-521-3805 for diving operation status. The main span of the being-demolished bridge has been removed and falsework removed from the channel. Two temporary eastern trestles remain in place at the replacement bridge site. The main navigation span of the bridge, between the temporary trestles, provides 48.5ft of vertical clearance from the edge of the trestles to the lowest hittable part of the bridge and 75ft of horizontal clearance. The temporary trestles are lighted at night with fixed red lights (See Trestle_Lighting_Heim.pdf at the end of this notice). Portions of the eastern fenders on the existing bridge have been removed. The western portions of the fenders remain in place. Construction activities are taking place from 0700 to 1530, Mon-Fri until May 2017. For conditions at the bridge mariners can contact Caltrans at 213-792-5518, MCM Construction at 714-305-2725, or MCM Construction at 714-330-5370. Mariners are requested to transit the area with caution.

Chart 18749 LNM: 10/15

**SACRAMENTO RIVER-REDUCED VERTICAL CLEARANCE**

Overhead power cables upstream of Sacramento River lights 11 and 12 at 38-03-54N 121-47-09W have a reported reduced vertical clearance of 119.5 feet.

Chart 18660 LNM: 22/16

**SACRAMENTO-LINCOLN-DGPS UNUSABLE TIME**

Unusable time has been authorized for maintenance at the Lincoln, CA DGPS site for the following dates and time:
1600Z-2100Z 26 Oct 16(primary)
1600Z-2100Z 27 Oct 16(alternate)
For more details or comments contact the Navigation Information Service (NIS) at 703-313-5900 or visit the Coast Guard Navigation Center website WWW.NAVCEN.USCG.GOV.

Chart 18020 LNM: 40/16

**SAN CLEMENTE ISLAND-SAFETY ZONES**

Mariners operating in the vicinity of San Clemente Island are reminded of the restricted waterway access surrounding San Clemente Island (33 CFR 165.1131; 33CFR 165.1141). Since the inception of the regulations, numerous safety zone violations have been processed by Coast Guard Sector San Diego. Safety Zone Incursions put the public at risk and cause costly and unnecessary training delays, as well as range cancellations. Violators of the San Clemente Island Safety and Security Zones are subject to monetary penalties. Criminal penalties may also be issued for repeated Safety and/or Security Zone violations. Failure to comply with the federal regulations could result in civil penalties of up to $40,000.00. Furthermore, if a mariner holds a Merchant 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

**SAN DIEGO BAY-BRIDGE**

CORONADO BRIDGE- Scaffolding installed at spans 13-14, and 15-19, west of the west main navigational channel, has reduced the vertical clearance by not more than 8ft and is lighted at night with red lights. RACON "T" (LLNR 1859) has been removed from the West Navigational Channel Span and temporarily not in service until 08 Dec 16. For more details or comments contact the Coast Guard Project Manager at 510-437-

**SAN DIEGO BAY-BRIDGE**

3461.

Charts: 18772 18773 LNM: 21/14

**SAN DIEGO BAY-CESAR CHAVEZ PIER-ART INSTALLATION TIME STRATA PROJECT**

Port of San Diego will be conducting temporary art installation Time Strata, a site-specific interactive sound art experience to be temporarily located on and adjacent to the Cesar Chavez Park Pier. The art installation is planned as a public interactive sound art experience that will occur on two separate Saturdays in October (anticipated to occur 22 Oct 16 and 29 Oct 16). The installation includes a floating component titled Tide Rattler. Structural elements for the Tide Rattler installation include 6 hydrophones (underwater microphones) to be located below water surface along the perimeter of the existing pier and one approximately 147" wide x 200" long x 18.5" deep floating structured net holding bamboo and PVC pipes in place at the surface directly adjacent to the southeast side of the existing pier. Mariners are requested to transit the area with caution. For more details and comments contact Timothy Barrett at 619-540-0230.

Chart 18773 LNM: 42/16

**SAN DIEGO BAY-PIER 1-MARINE CONSTRUCTION**

Manson Construction Co. will conduct marine construction and dredging in vicinity of San Diego Pier 1 at 32-41-30N 117-08-44W until 15 Nov 16. The disposal site will be at LA-5 Disposal site. Derrick barge VALHALLA, VALKYRIE; along with tug JEFFREY M and scow Rockport, Freeport, and Gulfport will be on site monitoring VHF-FM Chan. 13 and 65. Mariners are requested to transit the area with caution and minimize wake in the vicinity of the dredge site. For more details or comments contact Project Manager Eric Faria at 562-762-5396.

Chart 18751 LNM: 07/16

**SAN DIEGO-DEL MAR-LOS PEÑASQUITOS LAGOON-BRIDGE**

NORTH COUNTY TRANSIT DISTRICT RAILROAD BRIDGE- Work has begun to replace the existing railroad bridge. A temporary bridge has been erected alongside the existing bridge to facilitate construction of the replacement bridge. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18765 LNM: 31/15

**SAN DIEGO-DIVING OPERATIONS**

The U.S. Navy Undersea Rescue Command (URC) will be conducting diving operations from 24 Oct 16 through 19 Nov 16 at the following positions:

32-23-06N 118-21-00W

32-41-00N 117-22-00W

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

Chart 18772 LNM: 42/16

**SAN DIEGO-NASSCO BERTHS-MARINE CONSTRUCTION**

R.E. Staite Engineering INC. and NASSCO are conducting marine construction in San Diego at 32-41-08N 117-08-10W until 30 Nov 16. The work consists of NASSCO Berths 5 and 6 piles and fender replacement. Spud barge RES 150 and RES 180 along with tug KILLEEN will be on scene monitoring VHF-FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Brian Goerres at 619-481-1429 and Jay Whyte at 619-233-0178.

Chart 18773 LNM: 41/16

**SAN DIEGO-SAN DIEGO NAVAL BASE-DREDGING**

Dutra Construction Company will be conducting dredging operations around various piers of the Naval Base San Diego, 24 hours a day, 7 days a week until April 2017. Dredged material will be disposed of at offshore LA5 disposal site. The dredge barge MORTY and tug TERRI L will be on site monitoring VHF/FM Chan. 12, 16, and 82. Mariners are requested to transit the area with caution. For more details or comments contact Andrew Hunt at 415-847-6640.

Chart 18773 LNM: 34/16

**SAN DIEGO-SANTA BARBARA-GEOPHYSICAL SURVEY**

The USGS Pacific Coastal and Marine Geology Science Center (PCMGSC) will be conducting a geophysical survey between Goleta and Point Mugu beaches on the following dates:

26 Sep through 21 Oct 16

03 Feb through 28 Apr 17

The operations will be a bathymetric survey using a 200 kHz single beam echo sounder mounted on a personal watercraft (jet ski). Two personal watercraft will be used to conduct cross shore transects from within the surf zone out to 12nm from shore to document the effects of large wave events on seafloor morphology. For more details or comments contact George Tate at 831-460-7484.

Chart 18022 LNM: 38/16

**SAN DIEGO-UNMANNED SURFACE VEHICLE OPERATIONS**

The U.S. Navy will be conducting Unmanned Surface Vehicle(USV) operation from Navy Range Support craft RSC-1 10nm northwest of Point Loma within 3nm of 32-43N 117-26W on 24-28 Oct 16. Operations will be conducted from a Navy RHIB. The USV is 10ft long and 3ft wide. A USV has a 3ft mast with orange flag and a fixed all around white light. A 1000yd safety zone will be in effect encompassing the navigable waters around both crafts for the duration of the event. The Navy RHIB will monitor VHF-FM Chan. 16. Mariners are requested to remain outside the safety zone and transit the area with caution. For more details or comments contact Anna Nguyen at 619-553-5943.

Chart 18765 LNM: 38/16

**SAN FRANCISCO BAY AND DELTA BRIDGES-FISH MONITORING**

UC Davis fish monitoring will be in progress during daylight hours at the piers of various San Francisco and Delta area bridges from 24 Oct 16 through 11 Nov 16. Monitoring will take place at the I-80 Carquinez Bridge, I-680 Benicia-Martinez bridges, and Hwy 160 Antioch Bridge and the Richmond-San Rafael. The 27ft aluminum work skiff will be monitoring VHF-FM Chan. 16 and will coordinate with Vessel Traffic Service. Mariners are requested to transit the area with caution.

Charts: 18620 18640 18680 LNM: 40/16

**SAN FRANCISCO BAY- MARINE CONTRUCTION**

Manson Construction Co. will conduct marine construction at the San Francisco Structure and Ferry Plaza Deck until 20 May 17. Derrick barge EINAR will be on scene monitoring VHF/FM Chan. 13, 16, and 68. Mariners are requested to transit the area with caution and minimize wake in the vicinity of the construction site. For more details or comments contact Project Manager Terry Hammerwold at 510-773-6963.

Chart 18649 LNM: 32/16

**SAN FRANCISCO BAY-BRIDGE**

SAN MATEO-HAYWARD BRIDGE - Caltrans' contractor, Liberty Maintenance, will be conducting maintenance during daylight hours, Monday through Saturday. A work platform will be installed below low steel of the bridge deck, from the western shore to the second pier west of the main channel span and from the 2nd pier east of the main channel span to the eastern start of the high rise, reducing vertical clearance in those spans by approximately 5 ft. The upstream and downstream low steel of the platform will be lighted at night with red lights placed every 75 ft. A 160ft X 50ft equipment barge and a 110ft X 30ft service barge will be moored, via spuds, at various locations on the north side of the bridge, each corner lighted at night with red lights (See San Mateo Lighting Plan in the enclosure section). The main navigation span of the bridge will remain clear at this time. For details at the work site, mariners can contact Caltrans at 408-592-3785, or Liberty Maintenance at 330-272-4667, 516-369-8535, 330-509-4535, or 917-709-0742. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18651 LNM: 11/16

**SAN FRANCISCO BAY-BRIDGE**

RICHMOND-SAN RAFAEL BRIDGE - Caltrans will be conducting dive operations on various piers, including the main and auxilary navigation spans, from 0700-1530 on 24-28 Oct 16. The dive vessel OFFICIAL BUSINESS is a 10ft X 33ft aluminum landing craft. The diver's breathing gas hose may be on or near the surface and there is heavy equipment on the vessel's deck. Mariners are requested to contact the vessel OFFICIAL BUSINESS on VHF/FM Chan. 16 or via cell at 916-343-6731, at least 30 minutes prior to transiting the bridge dive site. Mariners are requested to transit the area with caution. For further information, mariners can contact the Coast Guard Bridge Office at 510-437-3515.

Chart 18649 LNM: 37/16

**SAN FRANCISCO BAY-CLIPPER YACHT HARBOR-DREDGING**

Dutra will conduct continuous dredging operations in Clipper Yacht Harbor, Sausalito at 37-52-16N 122-29-46W until 30 Nov 16. Dredged material will be disposed of at the SF-10 and SF-11 disposal sites. The excavator dredge REN DRAG BARGE along with tugs SEA W and TERRI L. BRUSCO will monitor VHF-FM Chan. 13, 14, and 80. Mariners are requested to transit the area with caution. For more details or comments contact Operations Manager Dennis Salyers at 415-497-5289.

Chart 18649 LNM: 34/16

**SAN FRANCISCO BAY-DETERIORATING CONCRETE PILINGS**

Deteriorating concrete pilings above and below the waterline are present in the vicinity of the the south edge of the Southampton Shoal Light (LLNR 5480). Mariners are advised to use caution when transiting this area. Direct any questions to LTJG Leslie Stenkamp at 510-437-3801 or Leslie.A.Stenkamp@uscg.mil.

Charts: 18649 18652 LNM: 23/15

**SAN FRANCISCO BAY-DIVING OPERATIONS**

Vortex Marine Construction, Inc. will be conducting diving and maintenance operations on the BART Trans Bay Tube, San Francisco until 15 Dec 16. The operations will be conducted at the following coordinates:

37-48-10N 122-21-43W
37-48-15N 122-20-28W
37-48-21N 122-20-19W
37-48-31N 122-20-03W
37-48-02N 122-20-33W

The VENGEANCE will be positioned by either tug DORIS L. or LAGUNA and will be monitoring VHF/FM Chan. 13 and 14. The barge will be marked with white lights on all corners of the barge and anchor buoys are painted white, marked with white flashing lights. Mariners are requested to transit the area with caution. For more details or comments contact Eli Deshaies at 401-714-1389.

Charts: 18649 18650 LNM: 38/16

**SAN FRANCISCO BAY-ENTRANCE TSS-SPEED REDUCTION**

NOAA Sanctuaries request a voluntary Vessel Speed Reduction until 15 Nov 16 within the SF TSS. Vessels 300 gross registered tons or larger transiting the San Francisco Traffic Separation Scheme (33 CFR 167.400) are encouraged to transit at speeds not in excess of 10kts.

These areas contain concentrations of endangered Blue, Humpback, and Fin Whales that are protected under the Federal Endangered Species Act (16 U.S.C. 1538 et seq.), the Marine Mammal Protection Act (16 U.S.C. 1361 et seq.), and the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.). Please report any collisions with whales or any observed injured or dead whales to NOAA at 877-SOS-WHAL 877-767-9425 or to the U.S. Coast Guard on VHF Channel 16. NOAA is asking for the public's help in tracking whales. If you see whales, please record the date, location, the number of whales, the species (if known) and a description of the animals. Please report sightings to whales@noaa.gov. You can also report whales through WhaleAlert, a free application available at http://westcoast.whalealert.org.

**SAN FRANCISCO BAY-ENTRANCE TSS-SPEED REDUCTION**

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

Chart 18645 LNM: 17/16

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

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

Chart 18652 LNM: 16/15

**SAN FRANCISCO BAY-OAKLAND-DREDGING**

Dutra Construction Company will be conducting continuous dredging operations in the Port of Oakland until 30 Nov 16. Dredged material will be disposed of at the SF-DODS. Clamshell dredges DB 24 and/or BEAVER; along with tugs SARAH REED, POINT VICENTE, PHYLLIS T, and BECKY T will be on site monitoring VHF-FM Chan. 13, 14, and 82. Mariners are requested to transit the area with caution. For more details or comments contact Dredge Superintendent Dennis Salyers at 415-497-5289.

Chart 18649 LNM: 41/16

**SAN FRANCISCO BAY-OAKLAND-DREDGING**

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

Chart 18649 LNM: 30/16

**SAN FRANCISCO BAY-OAKLAND-SUNKEN VESSEL**

A sunken 56ft vessel has been reported in the vicinity of 5th Ave. Marina, Oakland at 37-47-18.91N 122-15-51.60W. Approximately 2ft to 4ft of the vessel's mast is out of the water and also marked by a quick flashing green light. Mariners are requested to transit the area with caution.

Chart 18652 LNM: 39/15

**SAN FRANCISCO BAY-PARADISE CAY HARBOR-DREDGING**

Salt River Construction will conduct dredging operations in the Paradise Cay Homeowners Channel at 37-54-53N 122-28-32W until 30 Nov 16. The dredge/dump barges DB1 and DB2, along with tug IRENE LAURITZEN will monitor VHF-FM Chan. 13, 14, and 77. Mariners are requested to transit the area with caution. For more details or comments contact Rick Moseley at 415-435-1024.

Chart 18653 LNM: 13/16

**SAN FRANCISCO BAY-PIER DEMOLITION**

CALTRANS will be carrying out pier demolition operations involving multiple barges, vessels, and submerged equipment near piers I and J of the old eastern span of the San Francisco-Oakland Bay Bridge in the San Francisco Bay(see SFOBB Pier E4 Demo Graphic.pdf). A safety zone will be in effect on October 23, 2016 at 6 a.m., and will encompass the navigable waters around and under Pier I within a radius 1,500ft in approximate position 37-48-59N 122-21-09W (NAD 83) and will extend west, to encompass the navigable waters contained within the two tangential lines originating in approximate position 37-48-52N 122-21-33W (NAD 83), extending at bearing 120°T and 024°T to the existing 1,500ft radial safety zone. The above described safety zone is effective from 6 a.m. on October 23, 2016 to midnight on October 31, 2016 or as broadcasted via Broadcast Notice to Mariner. All vessels are forbidden from transiting within the safety zone unless given explicit permission from the Captain of the Port or his designated representative. Mariners are requested to transit the surrounding area with caution. For more details or comments contact LTJG Christina Ramirez at 415-399-3585.

Chart 18649 LNM: 42/16

**SAN FRANCISCO BAY-REDWOOD CITY-DREDGING**

Manson Construction Company will be conducting continuous dredging operations in the Port of Redwood City between 37-33-22N 122-11-45W and 37-30-16W 122-12-52W until 01 Dec 16. There will be a dump scow mooring site with a white round anchor buoy with a flashing light at 37-32-54.09W 122-11-36.17N. Dredged material will be disposed of at the SF-DODS and SF-11 disposal sites. Derrick barges VULCAN and VALHALLA; along with scows ROCKPORT, GULFPORT, SEAPORT, tug JEFFERY M and survey boat EKKO will be on site monitoring VHF-FM Chan. 13 and 16. Mariners are requested to transit the area with caution. For more details or comments contact Eric McMann at 510-774-8396.

Chart 18650 LNM: 39/16

**SAN FRANCISCO BAY-RICHMOND-DREDGING**

Curtin Maritime Corp will conduct continuous dredging operations in the vicinity of Richmond Inner Harbor Channel until 15 Dec 16. Material will be transported to upland disposal site at Cullinan Ranch. Clamshell Dredge DB BEN WESTON; barge CSM 30; scows LONG PT and ARROW PT; along with tugs SEANA C, CALUSA and BERNARDINE C will monitor VHF-FM Chan. 13, 14, and 01. Mariners are requested to transit the area with caution, minimize wake, and make arrangements with dredge vessels prior to passing. For more details or comments contact Steve Chew at 562-666-6971 or Sam Bice at 206-550-3916.

Chart 18653 LNM: 40/16

**SAN FRANCISCO BAY-SAN FRANCISCO MARINA-SHOALING**

Shoaling has been reported extending from the south side of the North Jetty at the entrance to San Francisco Marina. An unlighted white buoy has been established at 37-48-30N 122-26-23W in 9ft of water to mark the shifting shoal. The northern entrance is subject to rapid shoaling and should be avoided due to unknown depths. It is recommended that vessels transiting the marina enter and exit from the south side of the floating

**SAN FRANCISCO BAY-SAN FRANCISCO MARINA-SHOALING**

wave attenuator. Mariners are requested to transit the area with caution. For more details or comments contact Lawrence O'Donnel at 415-831-6322.

Chart 18649 LNM: 11/15

**SAN FRANCISCO BAY-SAN FRANCISCO PIER 22.5-MINIMUM WAKE REQUEST**

San Francisco Fire Department requests all vessel traffic transiting in the vicinity of Pier 22.5, San Francisco at 37-47-26N 122-23-17W, create minimum wake to lessen wake impact on vessels moored at Pier 22.5 until 01 Dec 16. Mariners are requested to transit the area with caution. For more details or comments contact San Francisco Fire Station 35 at 415-558-3235.

Chart 18649 LNM: 39/16

**SAN FRANCISCO BAY-SAN FRANCISCO PIER 26-MARINE CONSTRUCTION**

Vortex Marine Construction Inc. will be conducting marine construction at pier 26, San Francisco until 04 Feb 17. The VANTAGE will be held on location by spuds and will be supported by tugs DORIS L., LAGUNA and LARIAT, as well as barges CB-60 and MB-108 during this project. DORIS L. and LAGUNA will be monitoring VHF/FM Chan. 13 and 14. Mariners are requested to transit the area with caution. For more details or comments contact Tommy Worten at 321-408-2442 or 510-261-2400.

Chart 18650 LNM: 38/16

**SAN FRANCISCO-GEOPHYSICAL SURVEY**

The USGS Pacific Coastal and Marine Science Center (PCMSC) will be conducting geophysical surveys in Ocean Beach until 10 Mar 17. The survey area is bounded by the following coordinates:

37-46-36N 122-31-47W
37-42-35N 122-31-47W
37-46-36N 122-30-11W
37-42-35N 122-30-11W

Operations will include two vessels, CPS DUKE and CPS EDDIE, each equipped with a 200 kHz single beam echo sounder, that will be used to conduct cross shore transects from within the surf zone. CPS DUKE and CPS EDDIE will monitor VHF/FM Chan. 16 and 82a. Mariners are requested to transit the area with caution. For more details or comments contact Jenny White at 831-460-7544.

Charts: 18645 18649 LNM: 35/16

**SAN FRANCISCO-OAKLAND BAY BRIDGE (EAST OF YBI)**

SAN FRANCISCO/OAKLAND BAY BRIDGE-EAST OF YBI -A Safety Zone has been established from 1000 feet west of pier "I" and extends east to the Oakland shoreline. (see 2015-2017_East_SFOBB_Safety Zone.pdf in enclosure section) This safety zone has been established to protect mariners from the dangers associated with removal operations of the SFOBB. All vessels passing through the bridge east of YBI should use the "G" - "H" span of the Replacement SFOBB Eastern Span until demolition of the replaced bridge is complete. Unauthorized persons or vessels will be prohibited from entering into, transiting through, or remaining in the safety zone without permission of the Captain of the Port or their designated representative.

Work is in progress in removing the spans between piers I-N, Typical in-water equipment to be utilized are two 250ft X 72ft X 15ft barges, two 99ft X 99ft crane barges, and a 133ft X 46ft material barge, spudded and anchored beneath the structure. Typical anchor lines will extend from each corner of the barges out 1500ft. Each corner of the anchored barges shall be lighted at night will an all-round red lights. Red lights will mark the upstream and downstream portion of the pier bases until their removal. (see Barge-504Removal.pdf in enclosure section)

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

For details at the work site, mariners may contact Caltrans at 650-222-7242 or the Contractor at 510-774-1204. For more details or comments contact the Coast Guard Project Manager at 510-437-3515.

Chart 18650 LNM: 43/08

**SAN PABLO BAY-OSTRUCTION TO NAVIGATION**

There has a been a report of an unknown unlit yellow can buoy at 37-53-09N 122-24-09W 0.5nm northwest of Southampton Shoal Light. Mariners are requested to transit the area with caution and report any relevant observations regarding this buoy to D11 Private Aids to Navigation Manager at 510-437-2984.

Chart 18640 LNM: 18/16

**SAN PEDRO-MARINE CONSTRUCTION**

Associated Pacific Constructors, Inc. will be installing fender piling and conducting dive operations under the pier at the US Coast Guard Pier in San Pedro, CA. A 120ft x 40ft barge will be alongside the pier at 33-43-41-51N 118-16-13-03W. The operation will start 0730-1700, Mon-Fri, until 30 Nov 16. Mariners are requested to transit the area with caution. For more details or comments please contact Jorge Tomas at 949-258-4410.

Chart 18749 LNM: 36/16

**SANTA BARBARA AND MORRO BAY-SURVEY OPERATIONS**

Aqueos/Fugro will be conducting survey operations off of Morro Bay and Santa Barbara (see enclosure MB-SB ROV inspection.pdf) until 21 Oct 16. The M/V CLEAN OCEAN will be on site monitoring VHF/FM Chan. 16. Mariners are requested to transit the area with caution. For more details or comments contact Cindy Pratt at 805-650-7000.

**SANTA BARBARA AND MORRO BAY-SURVEY OPERATIONS**

Charts: 18020 18703 LNM: 39/16

**SANTA BARBARA-DESALINATION INTAKE STRUCTURE MAINTENANCE**

Dudek Inc. will be conducting dive operations and maintenance at Charles Myers Desalination Facility Offshore Intake Structure in Santa Barbara at 34-24-28N 119-40-46W from 24 Oct 16 through 16 Jan 17. See Santa Barbara-Desalination Intake Maintenance.pdf. in the enclosure section. M/V DANNY C, D.B. SAN DIEGO, A.N. TILLET, AND OUTRAGE will be monitoring VHF/FM Chan. 7, 16. Mariners are requested to transit the area with caution. For more details or comments contact John Davis at 805-252-7996 or jdavis@dudek.com.

Charts: 18720 18721 LNM: 29/16

**SANTA CRUZ-SHOALING**

The harbormaster's office in Santa Cruz has reported significant shoaling in the entrance to Santa Cruz due to recent weather events. Mariners are advised to exercise caution when operating in this area as actual water depths may vary from charted depths.

Chart 18685 LNM: 50/15

**SOUTHERN CALIFORNIA-SURVEY OPERATIONS**

Fugro will be conducting a side scan sonar and fathometer survey off the coast of Carpinteria, Mandalay and Huntington beach, CA during daylight hours from 31 Oct 16 through 30 Nov 16. The survey areas are outlined in side scan sonar survey.pdf in the enclosure section. M/V JAB will be towing up to 100ft of cable and will have limited maneuverability during mapping operations. Mariners are requested to transit the area with caution. For more details or comments contact Cindy Pratt or Eddie Stutts at 805-650-7000.

Chart 18740 LNM: 42/16

## SECTION VIII - LIGHT LIST CORRECTIONS

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

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

**None**

## PUBLICATION CORRECTIONS

**None**

## ENCLOSURES

**REPORT OF DELAY AT DRAWBRIDGE**

DelayRept0207.pdf

Use link above to Report a Delay at a Drawbridge.

LNM: 06/07

**SAN FRANCISCO BAY–PIER DEMOLITION**

SFOBB Pier E4 Demo Graphic.pdf

See link above.

LNM: 42/16

**SANTA BARBARA AND MORRO BAY-SURVEY OPERATIONS**

MB-SB ROV inspection.pdf

See link above.

LNM: 39/16

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

Trestle_Lighting_Heim.pdf Pier_Removal_Plan_Drawing.pdf

See link above

LNM: 45/11

**SAN FRANCISCO-OAKLAND BAY BRIDGE (EAST OF YBI)**

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

See links above for safety zone, barge mooring and lighting diagrams.

LNM: 04/16

**SAN FRANCISCO BAY-BRIDGE-SAN MATEO/HAYWARD BRIDGE**

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

LNM: 11/16

**NEWPORT BAY-GRAND CANAL-BRIDGE**

SafetyZoneGrandCanal.pdf
See link above for safety zone.

LNM: 13/16

**SAN FRANCISCO BAY-ENTRANCE TSS-SPEED REDUCTION**

2016 Speed Reduction Zone.pdf
See link above.

LNM: 17/16

**WHALE ADVISORY AND VESSEL SPEED REDUCTION ZONE**

SB Channel Speed Reduction Zone.pdf
See link above.

LNM: 26/16

**OAKLAND INNER HARBOR-LAKE MERRITT CHANNEL-BRIDGE**

Embarcadero_Flexi _Float_Lighting.pdf
See Link Above.

LNM: 20/16

**SANTA BARBARA-DESALINATION STRUCTURE MAINTENANCE**

Desalination intake maintenance.pdf
See link above.

LNM: 29/16

**COLORADO RIVER-BRIDGE-TOPOCK PIPELINE (OLD ROUTE 66)**

Topock-Lighting1.pdf Topock_Scaffold.pdf
See links above for scaffolding location and lighting.

LNM: 35/16

**SAN CLEMENTE ISLAND-SAFETY ZONES**

MSSB 02-16 SCI Safety Zone.pdf
See link above.

LNM: 41/16

**SOUTHERN CALIFORNIA-SURVEY OPERATIONS**

Side Scan Survey operations.pdf
See link above.

LNM: 42/16

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

Orwood_Lighting_Diagram2.pdf
See link above

LNM: 25/15

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

A. E. Wirts
U.S. Coast Guard

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

BRIDGE NAME_____ DATE _____

MILE _____ WATERWAY _____

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

_____

_____

_____

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

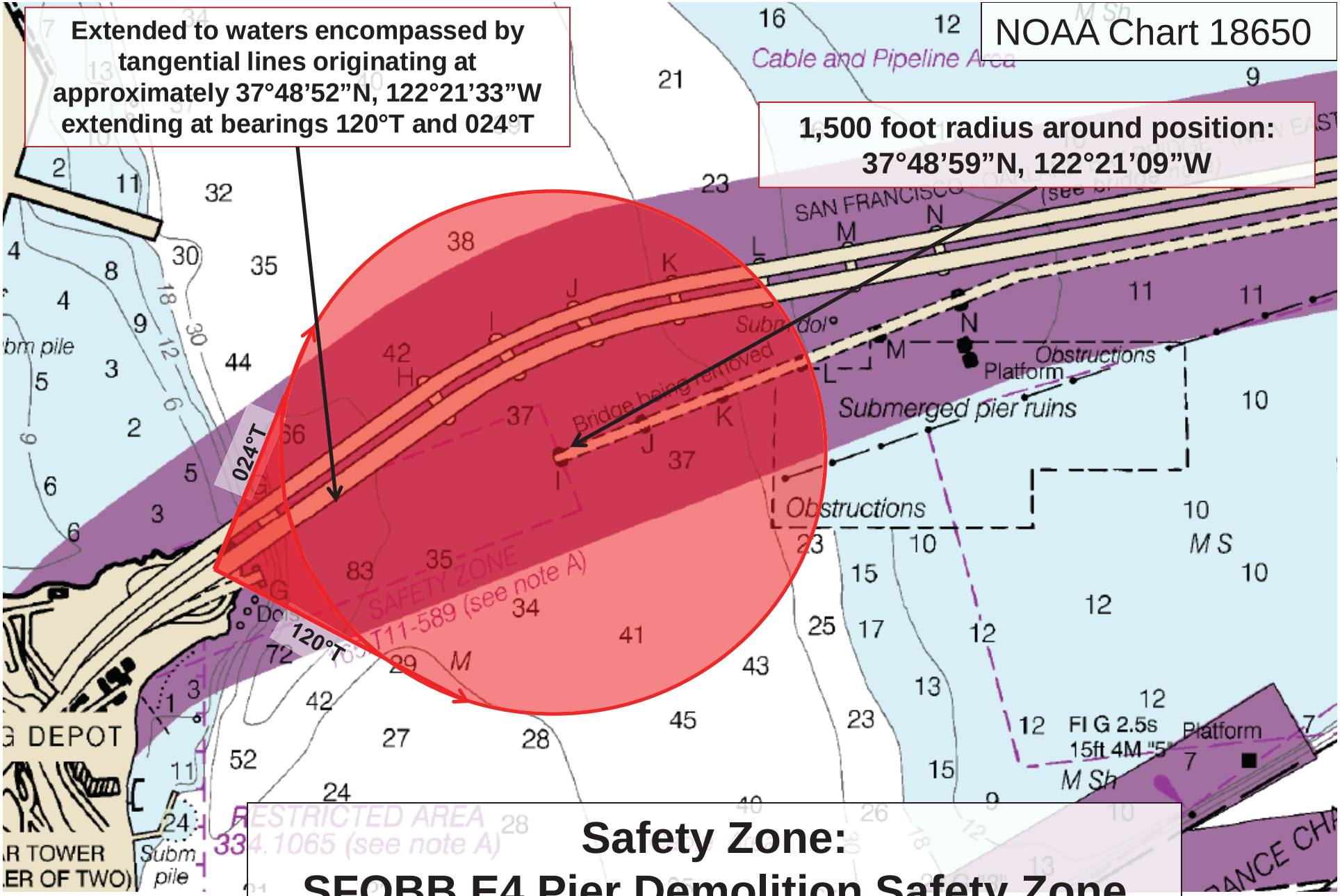
Signature _____

Telephone _____

Mariners may complete and send via fax or mail to:

USCG D11(dpw) Bridge Administration
Building 50-2
Coast Guard Island
Alameda, CA 94501-5100
**Cellular: (510) 219-4366**, Work Phone: (510) 437-3516
Work Fax: (510) 437-5836

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



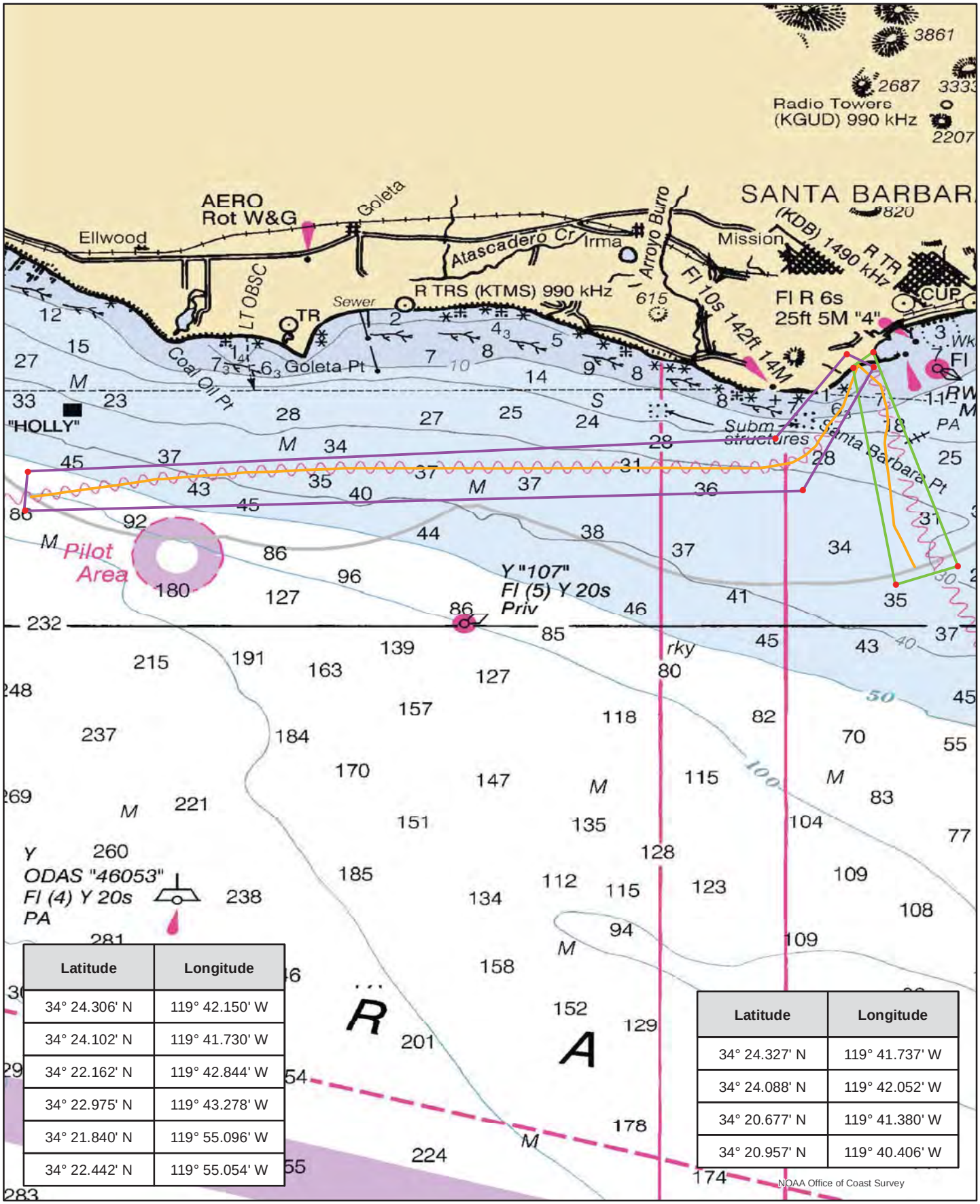

**Safety Zone:**

**SFOBB E4 Pier Demolition Safety Zone**

**0600, 28 October – Midnight, 31 October**

# NOAA Nautical Chart 18020 with Proposed Survey Area

ROV Survey Notice
Offshore Point Castillo, California



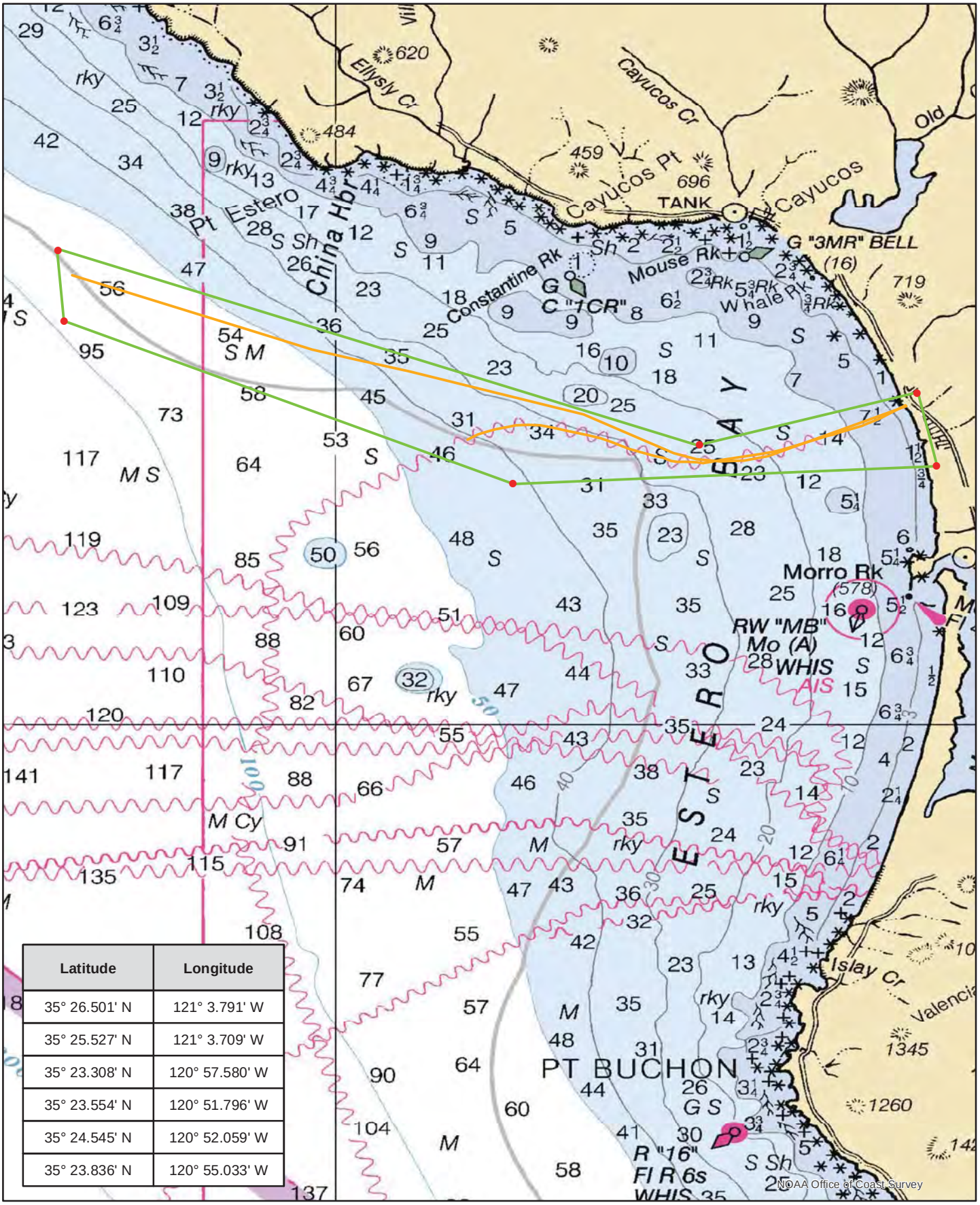

| Latitude | Longitude |
|---|---|
| 34° 24.306' N | 119° 42.150' W |
| 34° 24.102' N | 119° 41.730' W |
| 34° 22.162' N | 119° 42.844' W |
| 34° 22.975' N | 119° 43.278' W |
| 34° 21.840' N | 119° 55.096' W |
| 34° 22.442' N | 119° 55.054' W |

| Latitude | Longitude |
|---|---|
| 34° 24.327' N | 119° 41.737' W |
| 34° 24.088' N | 119° 42.052' W |
| 34° 20.677' N | 119° 41.380' W |
| 34° 20.957' N | 119° 40.406' W |

NOAA Office of Coast Survey

# NOAA Nautical Chart 18020 with Proposed Survey Area

ROV Survey Notice
Offshore Toro Creek, California

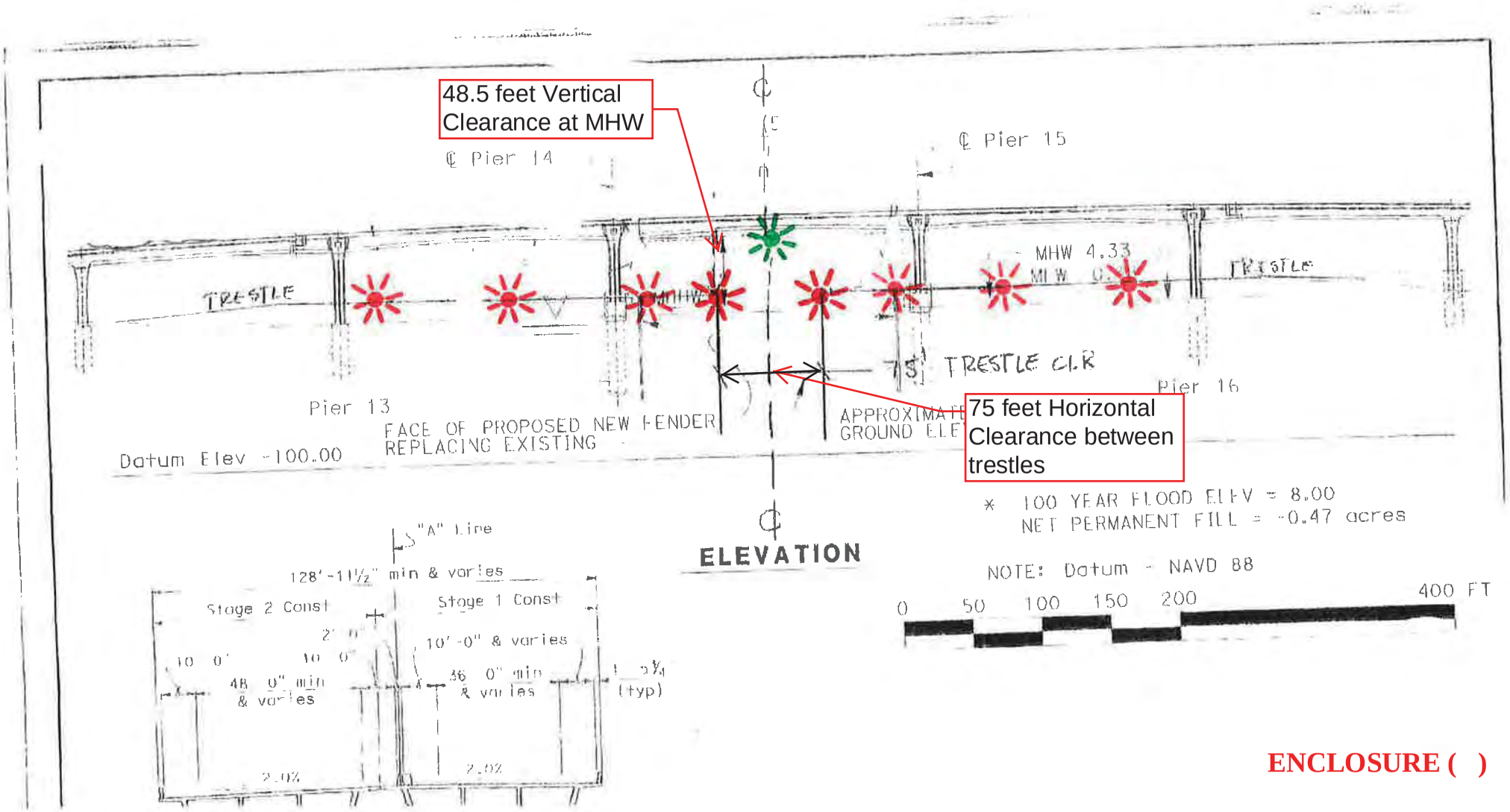



| Latitude | Longitude |
|---|---|
| 35° 26.501' N | 121° 3.791' W |
| 35° 25.527' N | 121° 3.709' W |
| 35° 23.308' N | 120° 57.580' W |
| 35° 23.554' N | 120° 51.796' W |
| 35° 24.545' N | 120° 52.059' W |
| 35° 23.836' N | 120° 55.033' W |

# Replacement Schuyler Heim Bridge Project

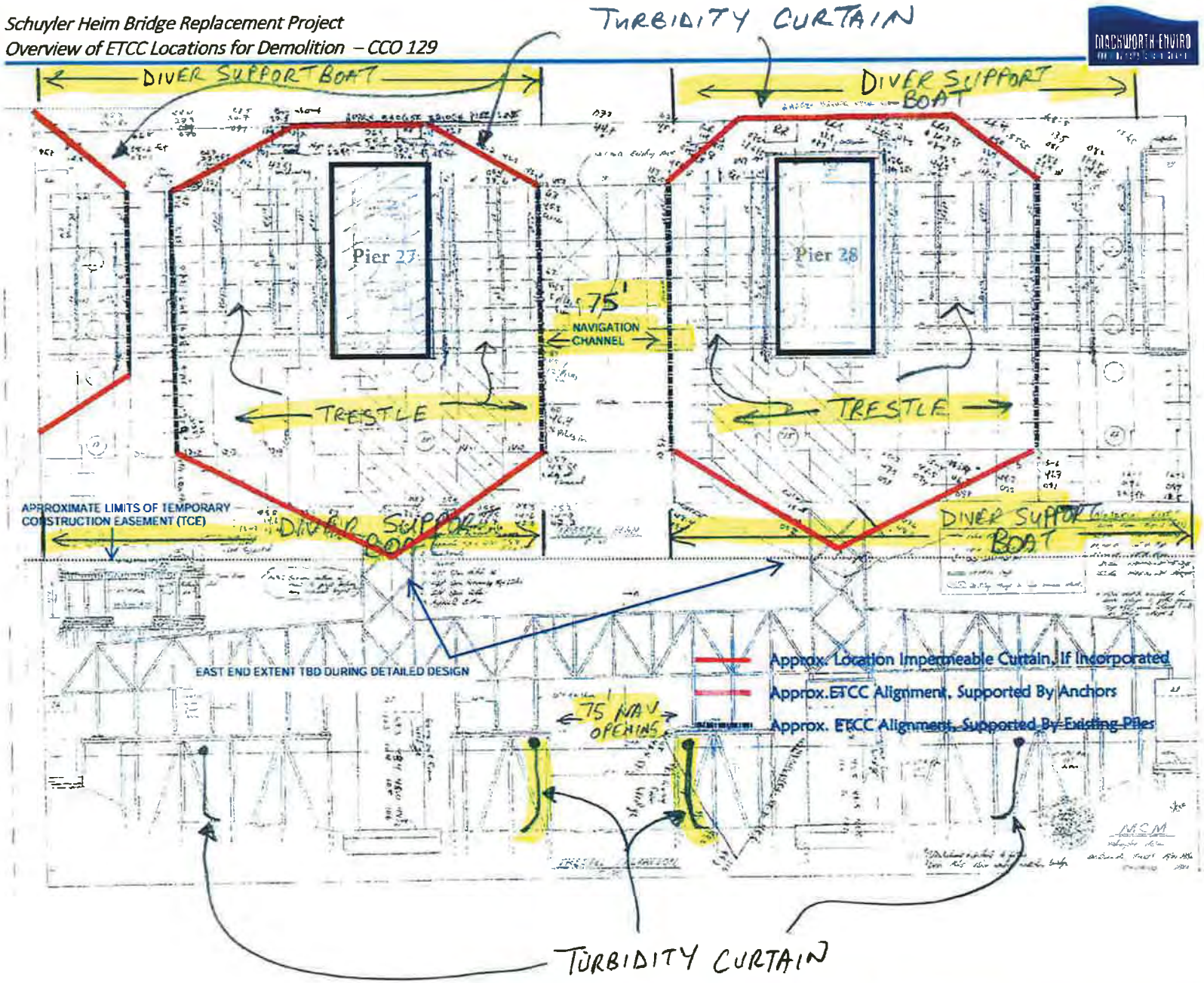
**Temporary Lighting Diagram during Construction**

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




ENCLOSURE ( )

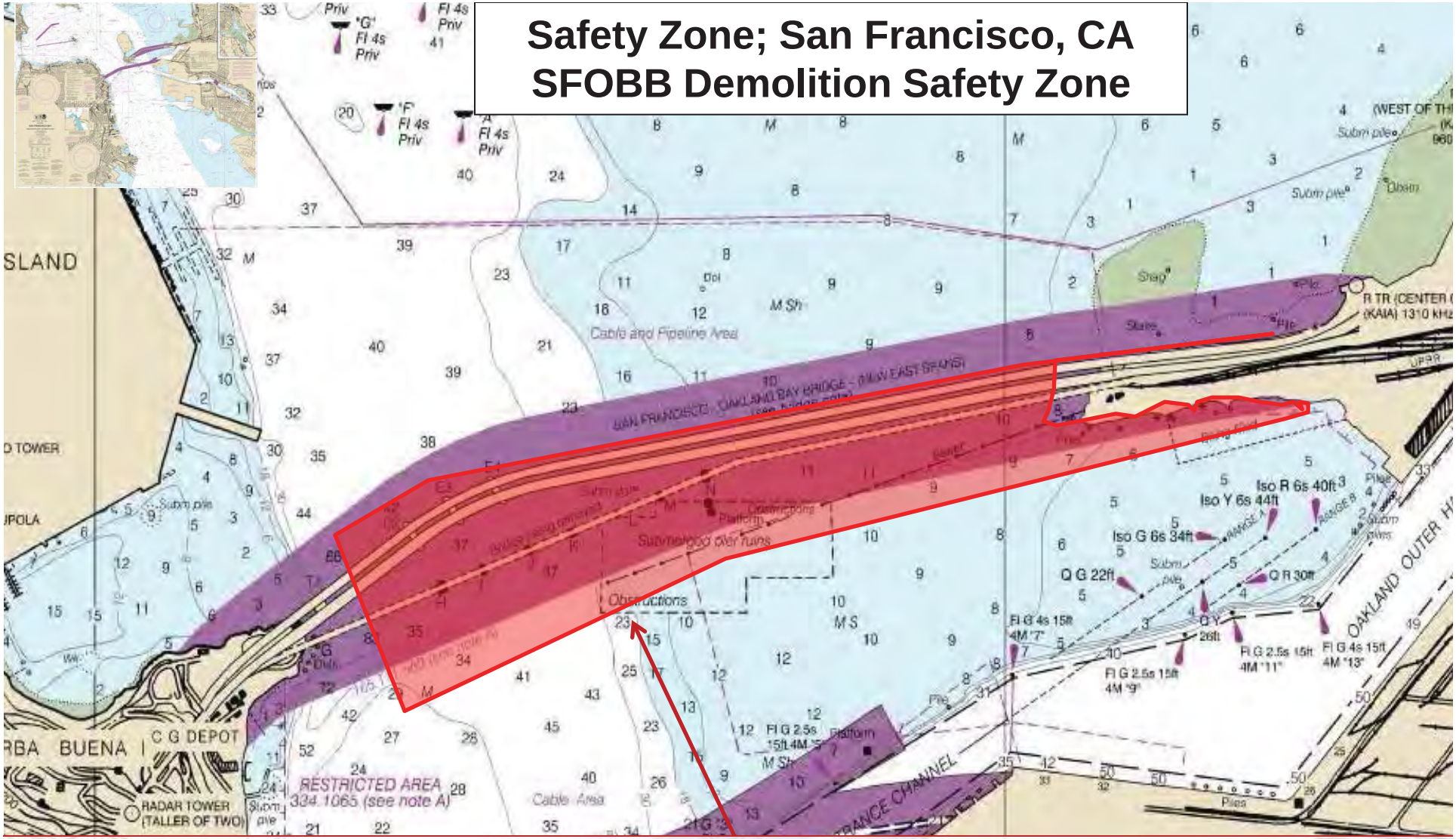
*Schuyler Heim Bridge Replacement Project*
*Overview of ETCC Locations for Demolition – CCO 129*






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

# Safety Zone; San Francisco, CA
# SFOBB Demolition Safety Zone

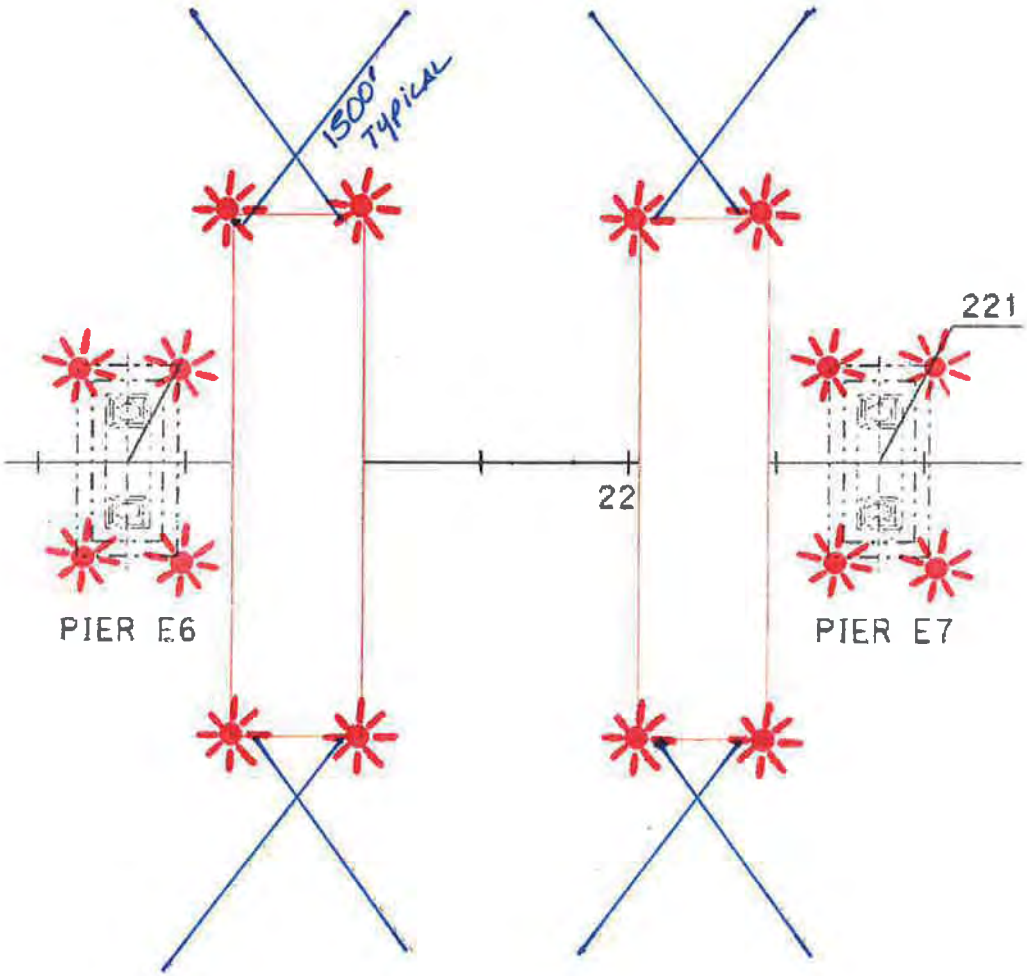



**South Border:1000 feet south of the old SFOBB extending to Oakland shore line,**
**West Border:500 feet west of Pier H,**
**North Border west of Pier H: 250 feet north of new SFOBB extending Pier H,**
**North Border east of Pier H:100 feet north of new SFOBB extending to Oakland shore line**
**21 August 2015 – 31 December 2017**

NOAA Chart 18650

# Typical Barge Configuration - Eastern Span SFOBB, mile 8.9, San Francisco Bay

Two 250' X 72' barges, two 99' X 99' crane barges and a 133' X 46' ,material barge will be anchored and spudded underneath spans "I"-"J" (E4-E5), "J"-"K" (E5-E-6), "K"-"L" (E6-E7), "L"-"M" (E7-E8) , and "M"-"N" (E8-E9) at various times to facilitate removal of the spans. The barges will be lighted at night with steady burning red lights. A Coast Guard Captain of the Port Safety Zone is in effect in this work area. Mariners must receive permission from the COTP to enter the Safety Zone. Once the spans and its corresponding towers are removed, each corner of the exposed in-water remaining piers will be lighted at night with steady burning red lights.



# Typical Barge Configuration - Eastern Span SFOBB, mile 8.9, San Francisco Bay

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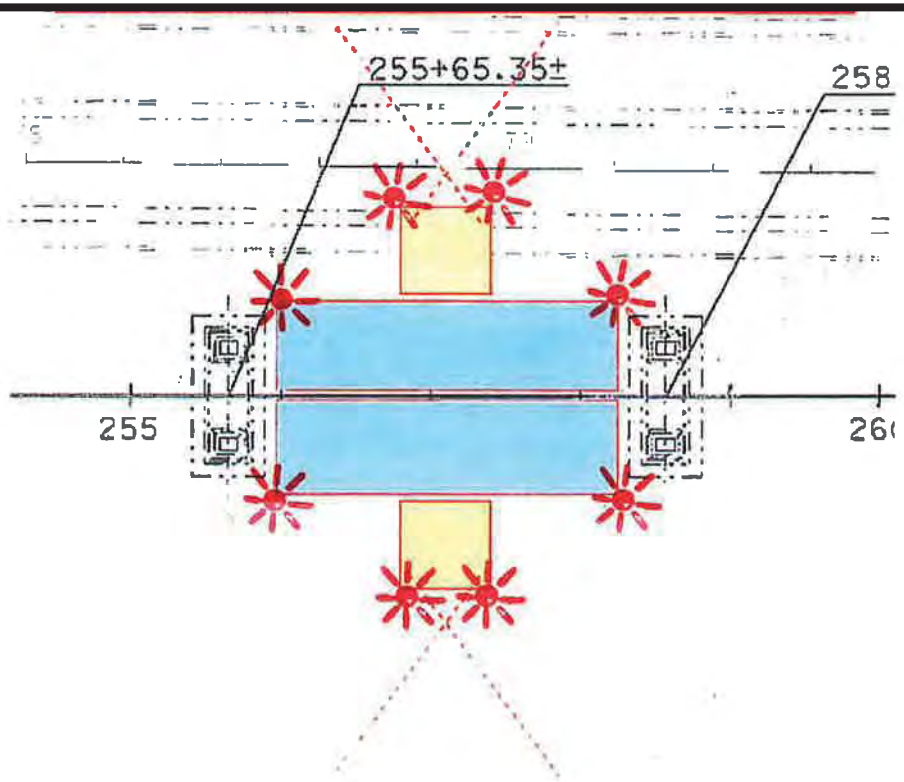
Two 250' X 72' barges and two 99' X 99' crane barges will be anchored and spudded underneath spans "I"-"J" (E4-E5), "J"-"K" (E5-E-6), "K"-"L" (E6-E7), "L"-"M" (E7-E8) , and "M"-"N" (E8-E9) at various times to facilitate removal of the spans. The barges will be lighted at night with steady burning red lights. A Coast Guard Captain of the Port Safety Zone is in effect in this work area. Mariners must receive permission from the COTP to enter the Safety Zone. Once the spans and its corresponding towers are removed, each corner of the exposed in-water remaining piers will be lighted at night with steady burning red lights



# Typical Barge Configuration - Eastern Span SFOBB, mile 8.9, San Francisco Bay

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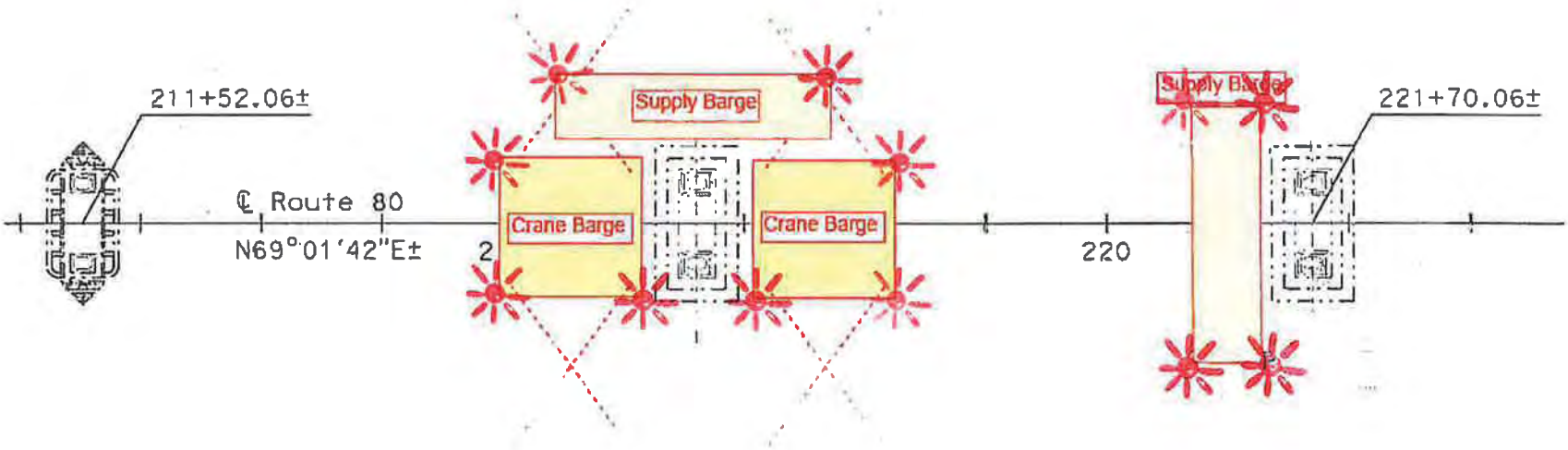
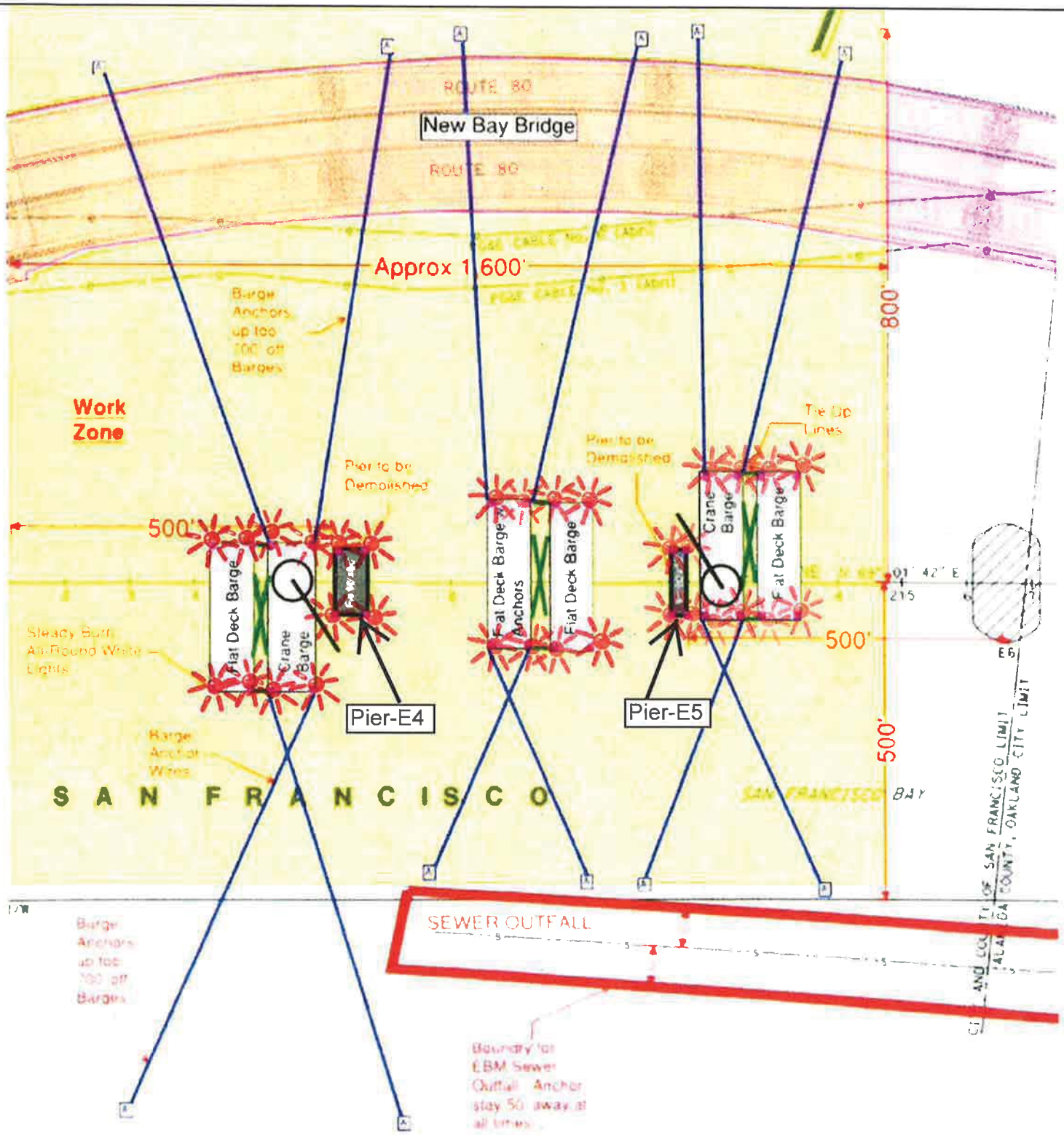
Two 250' X 72' barges and two 99' X 99' crane barges will be anchored and spudded underneath spans "I"-"J" (E4-E5), "J"-"K" (E5-E-6), "K"-"L" (E6-E7), "L"-"M" (E7-E8) , and "M"-"N" (E8-E9) at various times to facilitate removal of the spans. The barges will be lighted at night with steady burning red lights. A Coast Guard Captain of the Port Safety Zone is in effect in this work area. Mariners must receive permission from the COTP to enter the Safety Zone. Once the spans and its corresponding towers are removed, each corner of the exposed in-water remaining piers will be lighted at night with steady burning red lights



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

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

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

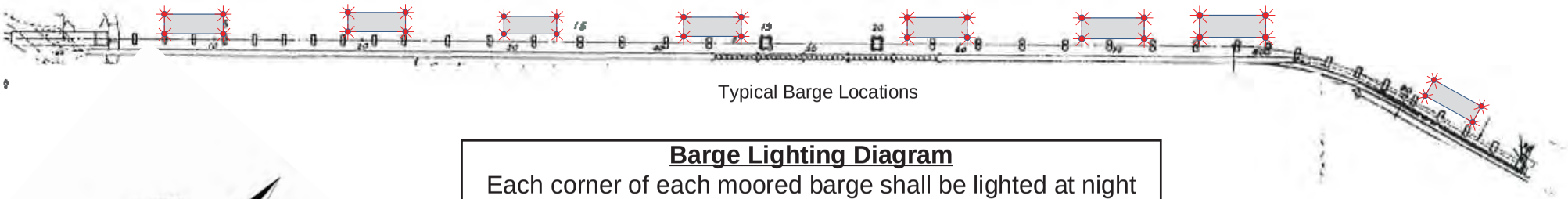



Enclosure (2)

# San Mateo-Hayward Bridge, mile 22.7, San Francisco Bay Maintenance - Work Platform and Barge Lighting Diagram

**Below Deck Work Platform Lighting**

The below deck platform will be lit at night with steady burning red lights placed upstream and downstream on the lowest hittable portion of the platform spaced every 75 feet.




**Barge Lighting Diagram**

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

# Safety Zone
# Grand Canal, Newport Beach

The Captain of the Port has established a temporary safety zone (area highlighted in red below) in support of navigation safety during the Park Ave Bridge Replacement at Newport Beach Grand Canal on Balboa Island from 04 Apr 2016 through 31 Jan 2017.

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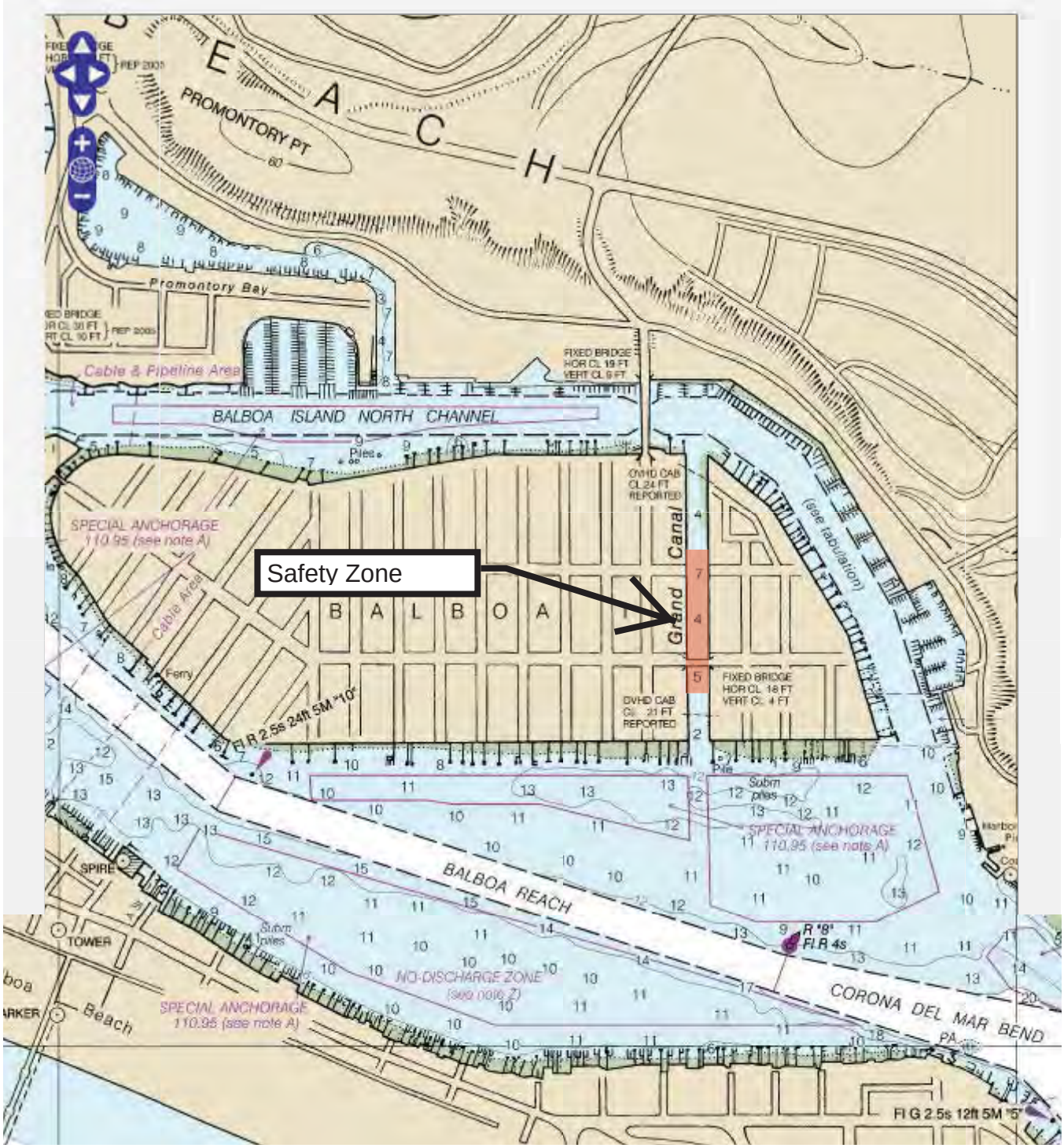
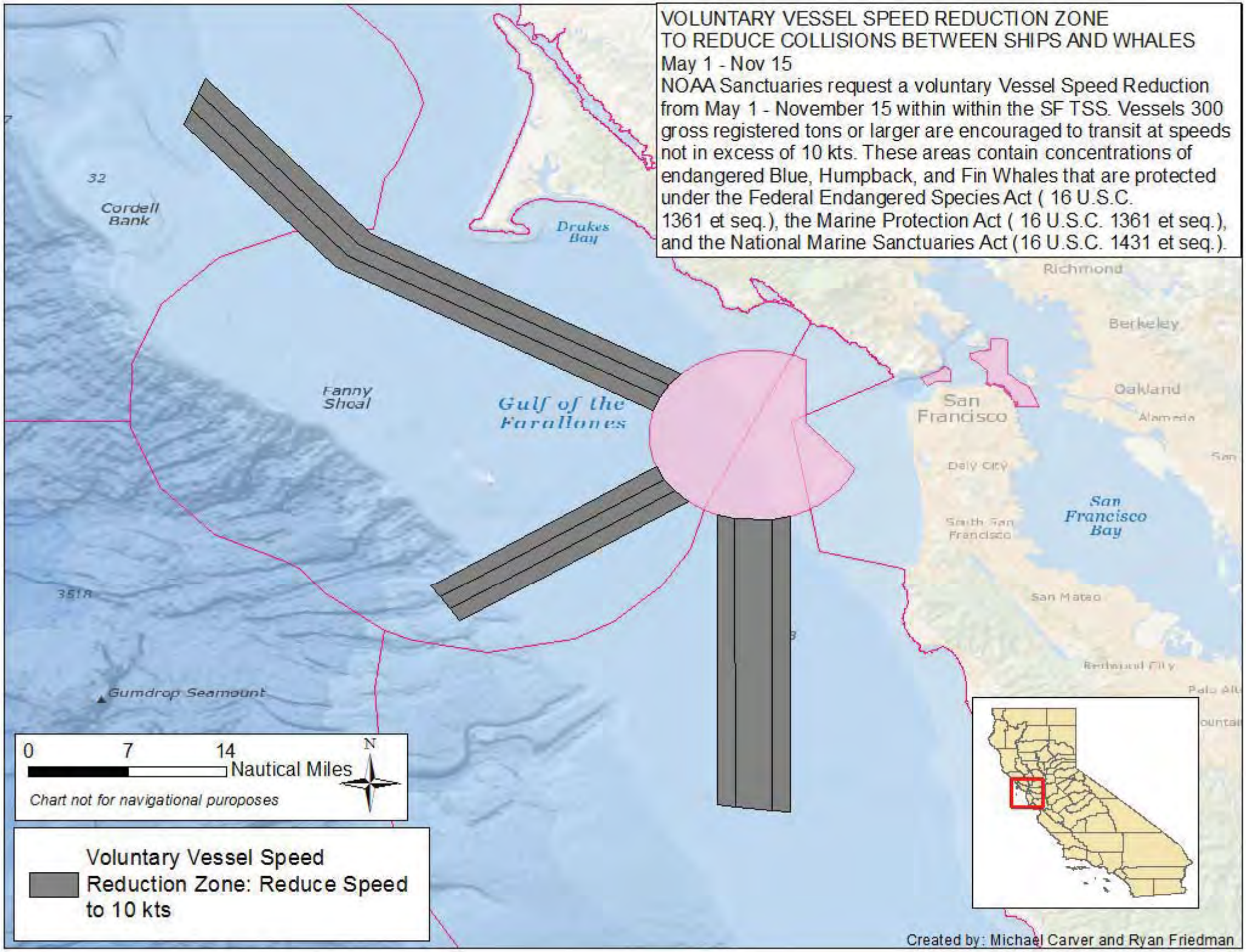
Persons and vessels are prohibited from entering into, departing from, transiting through, or anchoring within the designated area unless authorized by the Captain of the Port Los Angeles-Long Beach or her designated representatives.



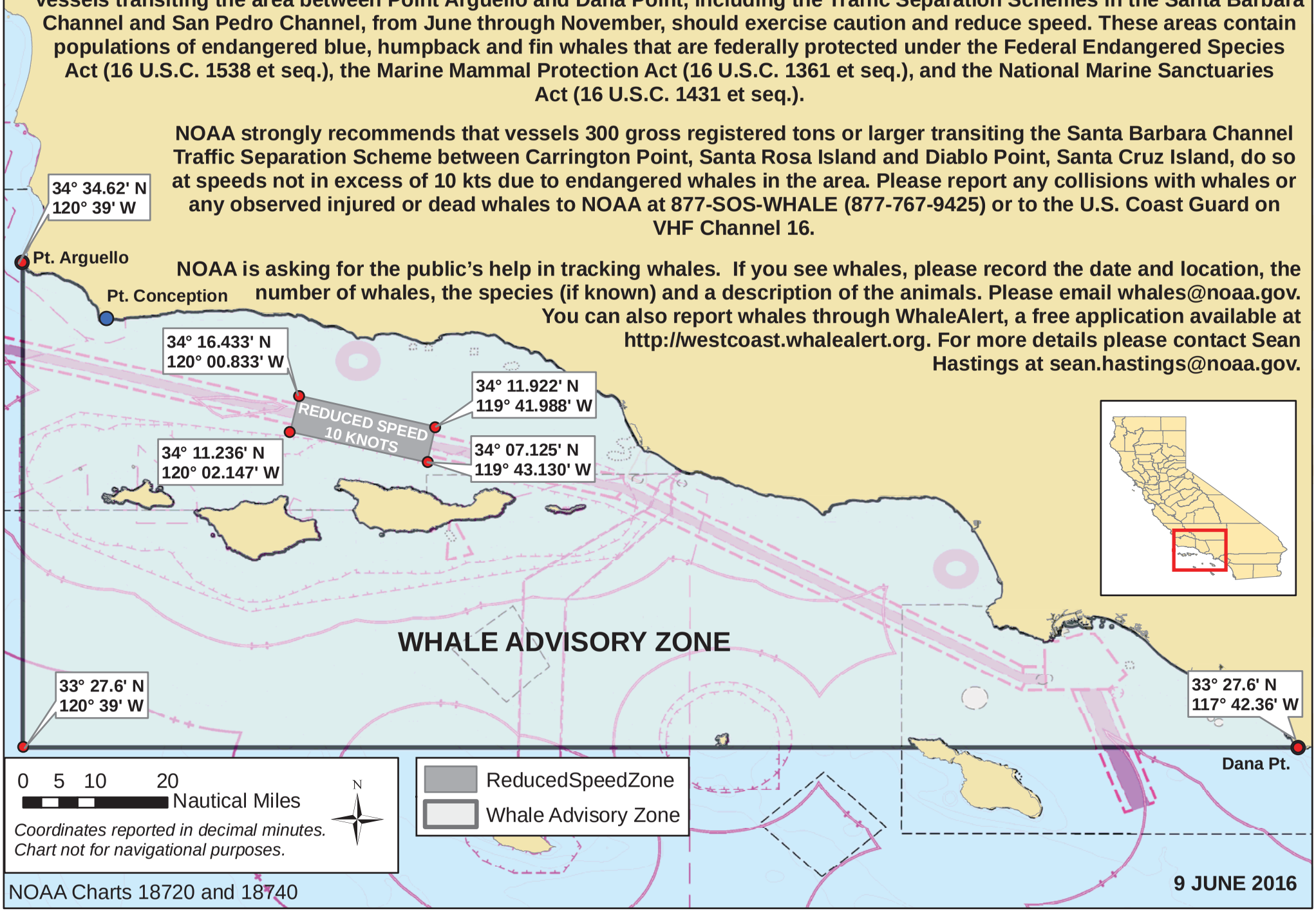

VOLUNTARY VESSEL SPEED REDUCTION ZONE
TO REDUCE COLLISIONS BETWEEN SHIPS AND WHALES
May 1 - Nov 15
NOAA Sanctuaries request a voluntary Vessel Speed Reduction from May 1 - November 15 within within the SF TSS. Vessels 300 gross registered tons or larger are encouraged to transit at speeds not in excess of 10 kts. These areas contain concentrations of endangered Blue, Humpback, and Fin Whales that are protected under the Federal Endangered Species Act ( 16 U.S.C. 1361 et seq.), the Marine Protection Act ( 16 U.S.C. 1361 et seq.), and the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.).
Cordell Bank
Drakes Bay
Fanny Shoal
Gulf of the Farallones
Richmond
Berkeley
Oakland
Alameda
San Francisco
Daly City
South San Francisco
San Francisco Bay
San Mateo
Redwood City
Gumdrop Seamount
0 7 14
Nautical Miles
N
Chart not for navigational puroposes
Voluntary Vessel Speed Reduction Zone: Reduce Speed to 10 kts
Created by: Michael Carver and Ryan Friedman

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

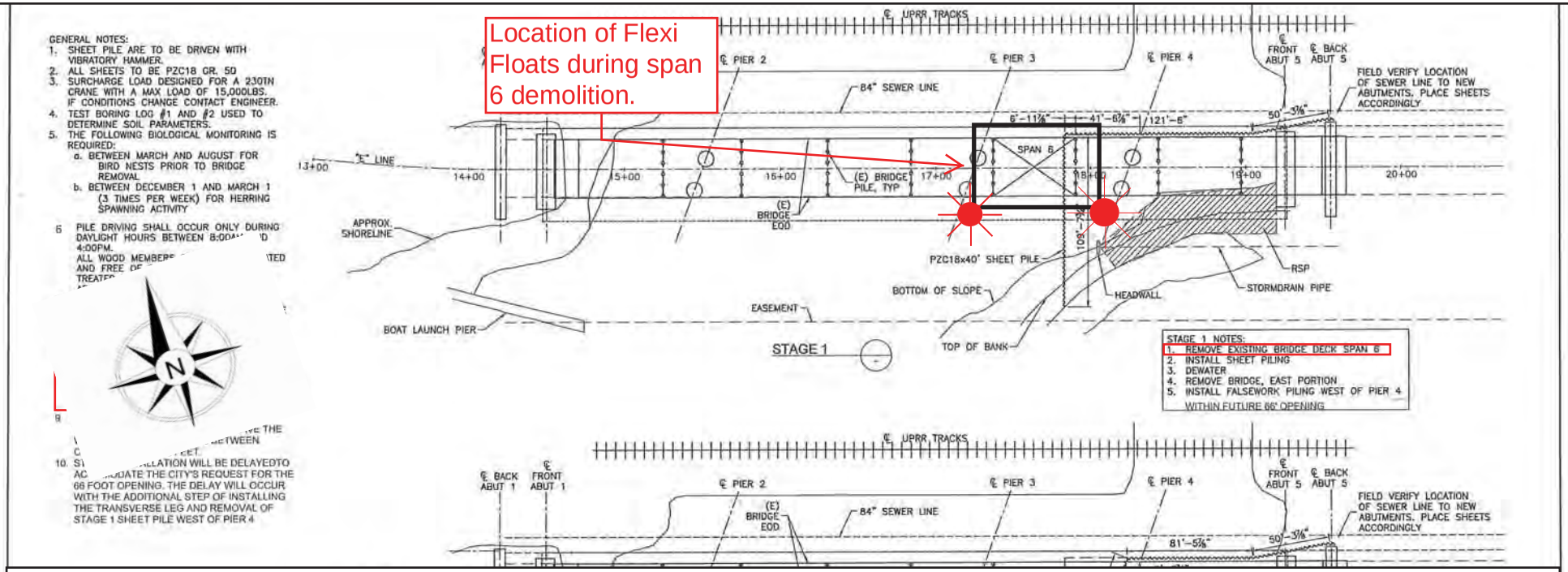
**Vessels transiting the area between Point Arguello and Dana Point, including the Traffic Separation Schemes in the Santa Barbara Channel and San Pedro Channel, from June through November, should exercise caution and reduce speed. These areas contain populations of endangered blue, humpback and fin whales that are federally protected under the Federal Endangered Species Act (16 U.S.C. 1538 et seq.), the Marine Mammal Protection Act (16 U.S.C. 1361 et seq.), and the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.).**

**NOAA strongly recommends that vessels 300 gross registered tons or larger transiting the Santa Barbara Channel Traffic Separation Scheme between Carrington Point, Santa Rosa Island and Diablo Point, Santa Cruz Island, do so at speeds not in excess of 10 kts due to endangered whales in the area. Please report any collisions with whales or any observed injured or dead whales to NOAA at 877-SOS-WHALE (877-767-9425) or to the U.S. Coast Guard on VHF Channel 16.**

**NOAA is asking for the public's help in tracking whales. If you see whales, please record the date and location, the number of whales, the species (if known) and a description of the animals. Please email whales@noaa.gov. You can also report whales through WhaleAlert, a free application available at http://westcoast.whalealert.org. For more details please contact Sean Hastings at sean.hastings@noaa.gov.**



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




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

# Project Location

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

# Project Description

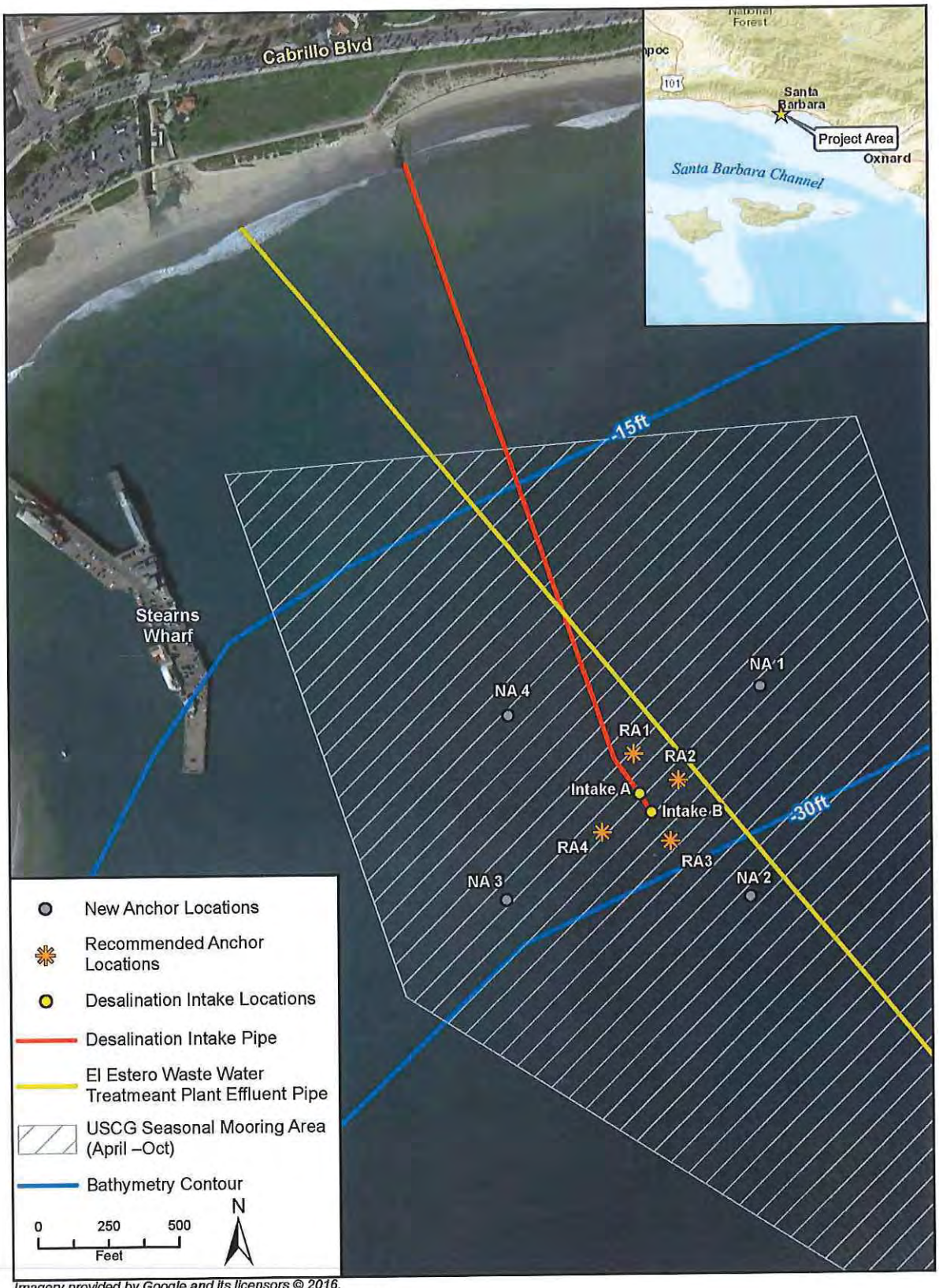
The ocean intake consists of two offshore concrete structures designed and installed with intake pumps, check valves, and intake screens. Each intake structure is concrete with a 5.7 by 5.7 meter (m) (18.83 by 18.83 ft.) footprint. The concrete intake structures were constructed with removable 20-inch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

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

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

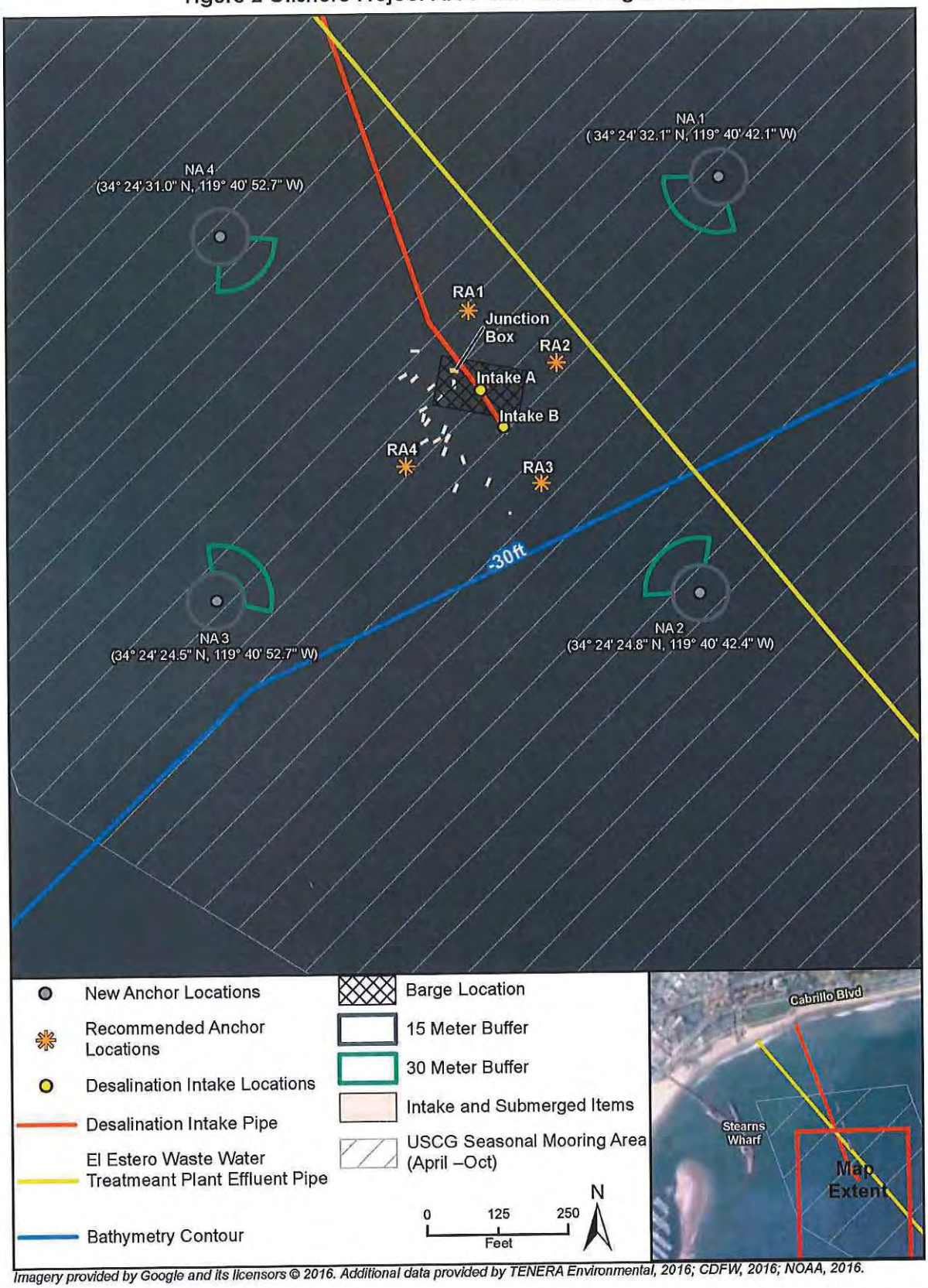
Offshore construction activities require the repair and replacement of materials that necessitates a barge able to support a large crane to lift the pumps and related infrastructure. The barge would be anchored using a four-point mooring system in the USCG seasonal anchorage; in similar soft bottom areas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

## Figure 1 Project Area Overview




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

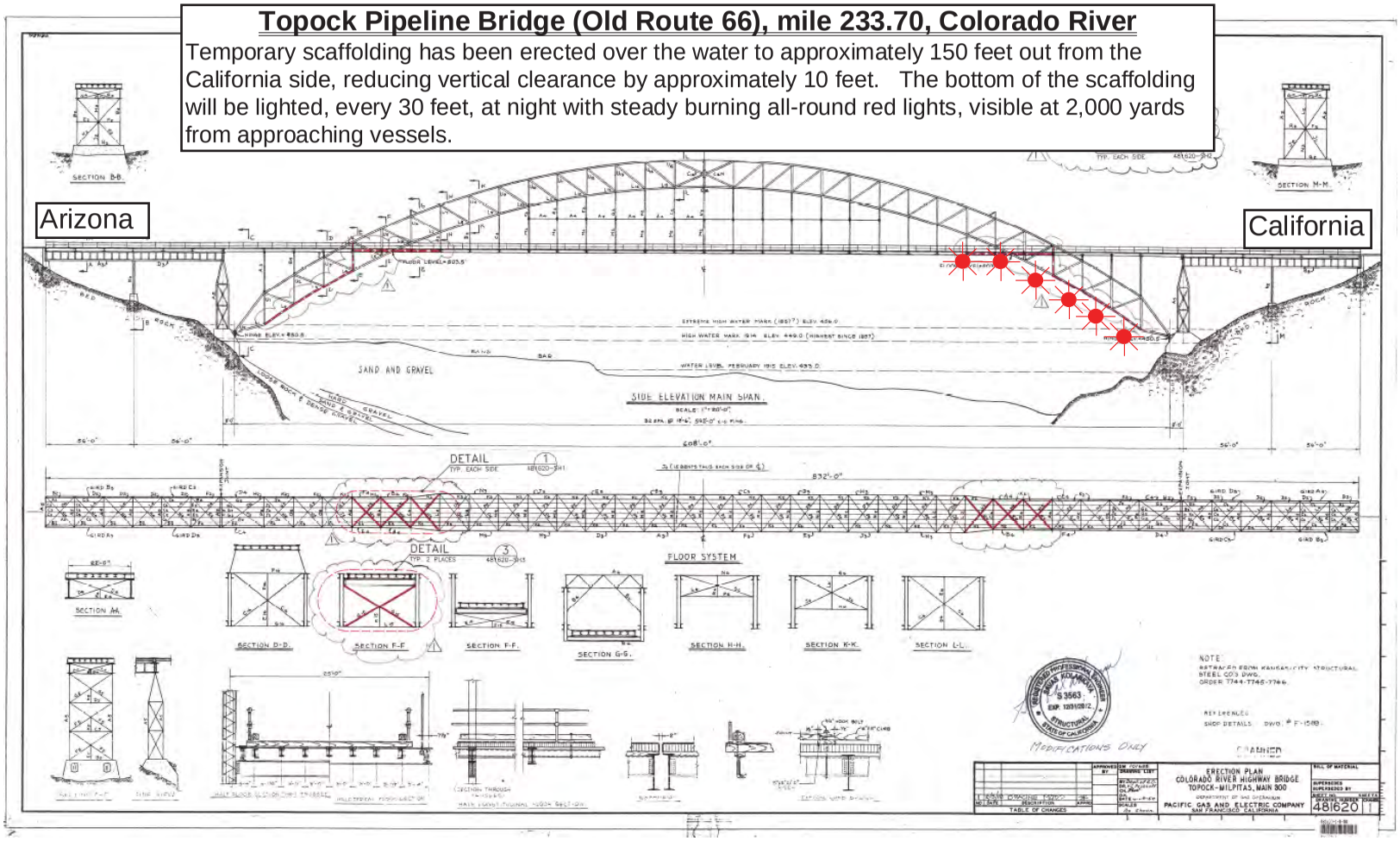
## Figure 2 Offshore Project Area with Anchoring Locations




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

## Topock Pipeline Bridge (Old Route 66), mile 233.70, Colorado River

Temporary scaffolding has been erected over the water to approximately 150 feet out from the California side, reducing vertical clearance by approximately 10 feet. The bottom of the scaffolding will be lighted, every 30 feet, at night with steady burning all-round red lights, visible at 2,000 yards from approaching vessels.



# Site Photos

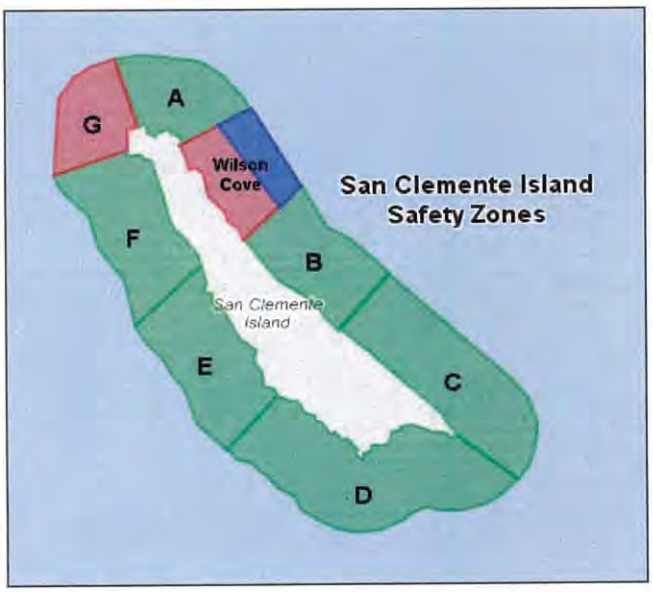
Scaffold erection continues on CA side.

# Maritime Safety and Security Bulletin: 02-16

**Effective Date: October 3, 2016**

U. S. Coast Guard Sector San Diego
2710 North Harbor Drive
San Diego, CA 92101
Phone: (619) 278-7241/7262
Fax: (619) 278-7235

## SAN CLEMENTE ISLAND LIMITED ACCESS ADVISORY




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) Section 165.1131 and 33 CFR 165.1141.

Since the inception of the regulations, numerous safety zone violations have been processed by Coast Guard Sector San Diego. Safety Zone incursions put the public at risk and cause costly and unnecessary training delays, as well as range cancelations. Violators of the San Clemente Island Safety and Security Zones are subject to monetary penalties. Criminal penalties may also be issued for repeated Safety and/or Security Zone violations. Failure to comply with the federal regulations could result in civil penalties of up to $40,000.00. Furthermore, if a mariner holds a Merchant Mariner Credential, suspension or revocation action may be pursued against the mariner's credential.

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

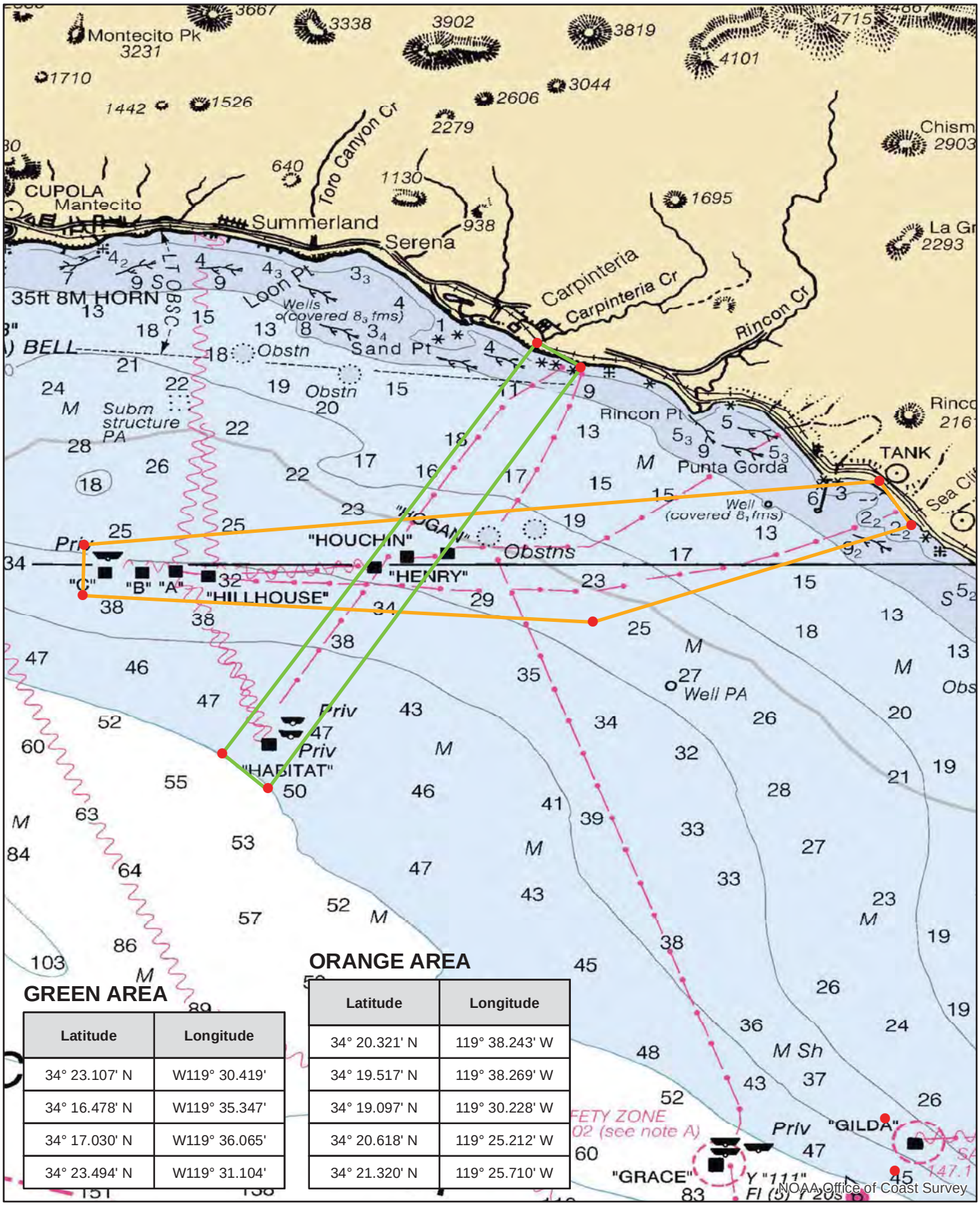
If you would like more information about the Security and Safety zones surrounding San Clemente Island, please contact the Coast Guard Sector San Diego Waterways Management Division at 619-278-7656 or by email at D11MarineEventsSD@uscg.mil.

Sincerely,

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

# NOAA Nautical Chart 18020 with Proposed Survey Area 1

Side Scan Survey Notice
Offshore Carpinteria & Rincon, California




## GREEN AREA

| Latitude | Longitude |
|---|---|
| 34° 23.107' N | W119° 30.419' |
| 34° 16.478' N | W119° 35.347' |
| 34° 17.030' N | W119° 36.065' |
| 34° 23.494' N | W119° 31.104' |

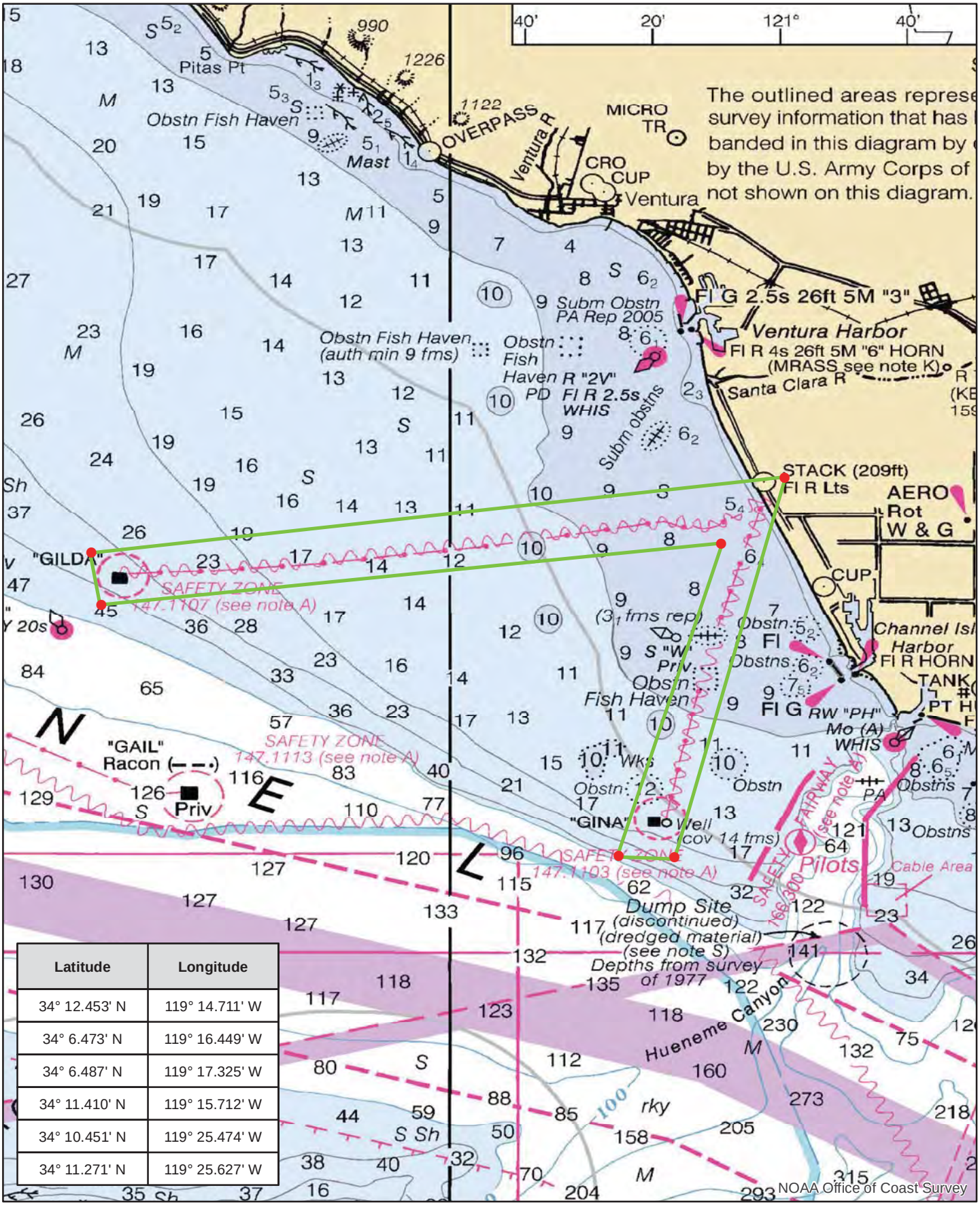
## ORANGE AREA

| Latitude | Longitude |
|---|---|
| 34° 20.321' N | 119° 38.243' W |
| 34° 19.517' N | 119° 38.269' W |
| 34° 19.097' N | 119° 30.228' W |
| 34° 20.618' N | 119° 25.212' W |
| 34° 21.320' N | 119° 25.710' W |

NOAA Office of Coast Survey

# NOAA Nautical Chart 18020 with Proposed Survey Area 2

Side Scan Survey Notice
Offshore Mandalay, California

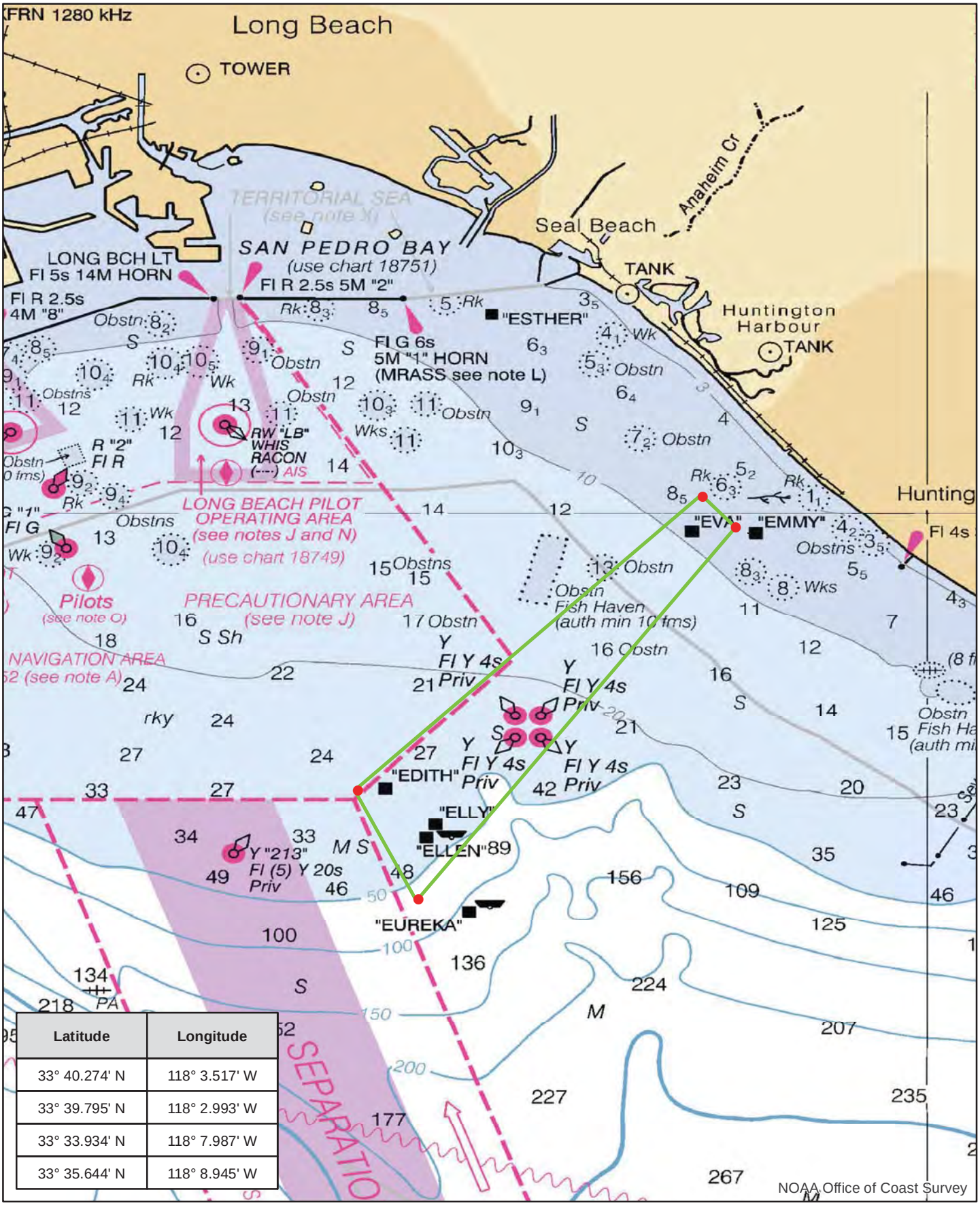



| Latitude | Longitude |
|---|---|
| 34° 12.453' N | 119° 14.711' W |
| 34° 6.473' N | 119° 16.449' W |
| 34° 6.487' N | 119° 17.325' W |
| 34° 11.410' N | 119° 15.712' W |
| 34° 10.451' N | 119° 25.474' W |
| 34° 11.271' N | 119° 25.627' W |

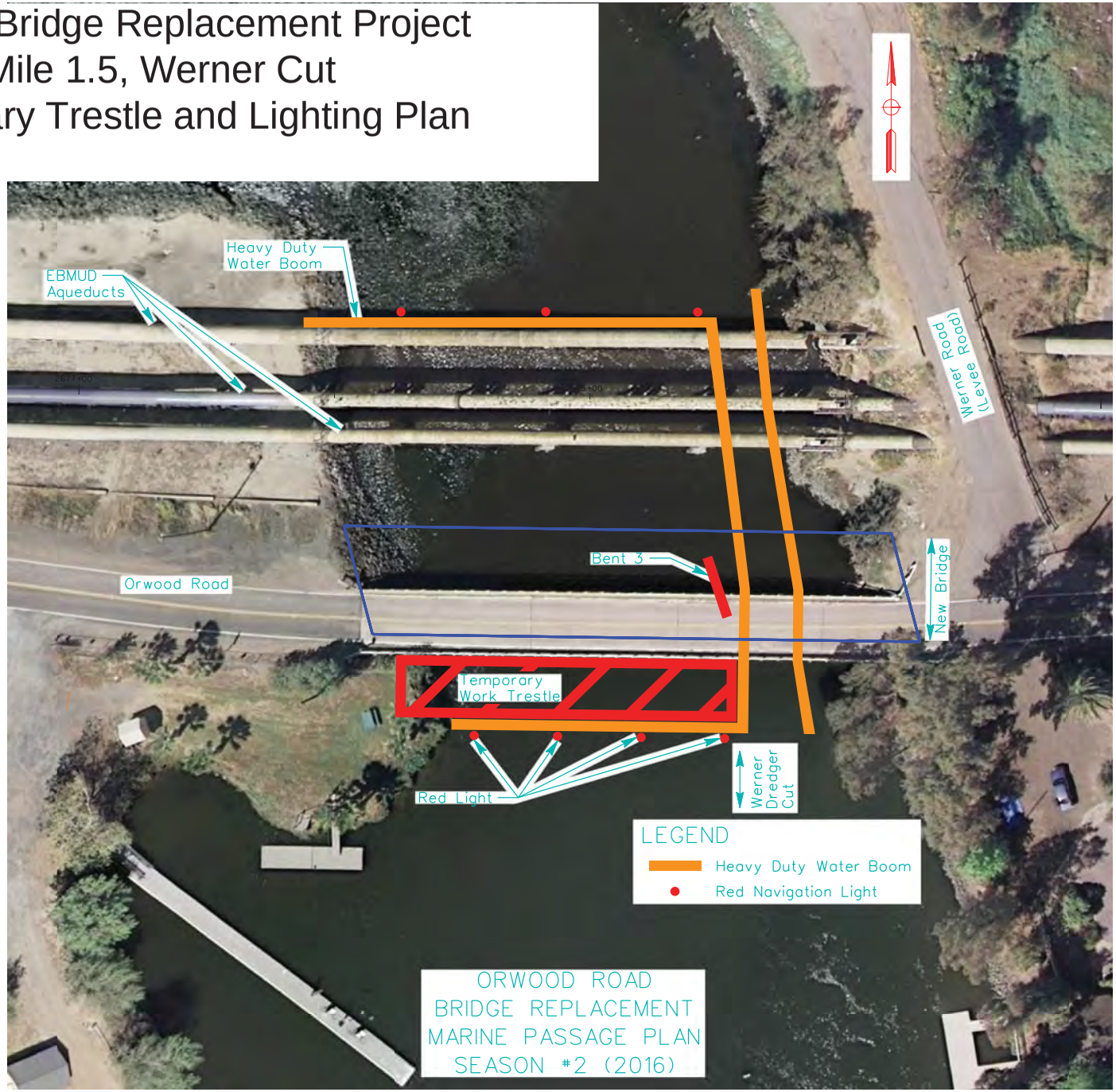
NOAA Office of Coast Survey

# NOAA Nautical Chart 18020 with Proposed Survey Area 3

Side Scan Survey Notice
Offshore Huntington Beach, California




| Latitude | Longitude |
|---|---|
| 33° 40.274' N | 118° 3.517' W |
| 33° 39.795' N | 118° 2.993' W |
| 33° 33.934' N | 118° 7.987' W |
| 33° 35.644' N | 118° 8.945' W |

NOAA Office of Coast Survey

# Orwood Bridge Replacement Project
## Mile 1.5, Werner Cut
## Temporary Trestle and Lighting Plan