PRELIMINARY ISSUE
THIS PLAN ISSUED FOR ADVANCE INFORMATION ONLY

wreck showing mast/masts

FLOOD
EBB

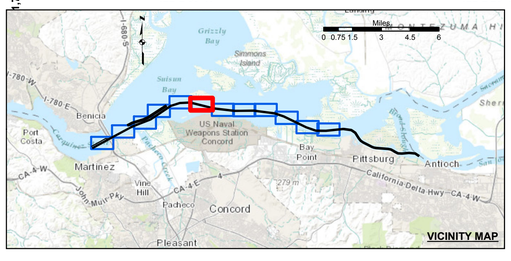
302+00 304+00 306+00 308+00 310+00 312+00 314+00 316+00 318+00 320+00 322+00 324+00 326+00 328+00 330+00 332+00 334+00 336+00 338+00 340+00 342+00 344+00 346+00 348+00 350+00 352+00 354+00 356+00 358+00 360+00 362+00

122°2'30"W 122°2'20"W 122°2'10"W 122°2'0"W 122°1'50"W 122°1'40"W 122°1'30"W 122°1'20"W
6,549,195 6,552,195 6,555,195
1,786,840
38°4'10"N 38°4'0"N 38°3'50"N 38°3'40"N

Feet
0 200 400 800 1,200

1 inch = 200 feet
Relative Scale (ANSI D 22x34)

1:2,400
Absolute Scale



VICINITY MAP

- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding*

**Contours**
-35
-34
-33
-32
-31

NOTES:
HORIZONTAL COORDINATE SYSTEM:
NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE II. DISTANCE UNITS IN U.S. SURVEY FEET.

VERTICAL DATUM:
SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED TO REPRESENT THE GENERAL CONDITION EXISTING AT THAT TIME.

PLANE GRID, BEARING AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM,
LAMBERT CONFORMAL PROJECTION, ZONE II NAD 83,
CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY NATIONAL OCEAN SURVEY.
BASE MAPS ARE USDA NAIP 2010.

PREDREDGE 29-30 JULY 2014
STA. 0+00 TO 58+00, 361+00 TO 733+45

POSTDREDGE 10 SEPTEMBER 2014
STA. 59+00 TO 360+00

DRAWING NOT TO BE USED FOR NAVIGATION, ONLY CHANNEL CONDITION AT DATE OF SURVEY.
THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST GUARD. BUOY LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.
SURVEYED BY THE CORPS OF ENGINEERS.
SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT.
SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.

THE PROJECT DEPTH IS 35 FEET.

VERTICAL CONTROL:
SUISUN BAY CHANNEL
(LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USC&GS DISK
ELEV 14.875 FT MLLW., NAVD 88 DATUM.
TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK.

(LINES 150+00 TO 500+00) BENCHMARK "5144-P" (1990 RESET 1997),
(LINES 500+00 TO 660+00) BENCHMARK "5144-P" (1990 RESET 1997),
USC&GS DISK, ELEV 11.83 FT MLLW., NAVD 88 DATUM.
TIDE GAUGE LOCATED AT CONCORD NAVAL WEAPONS STATION TUG DOCK, NOAA STATION.

(LINES 660+00 TO 733+45) BENCHMARK "5096-B",
USC&GS DISK, ELEV 21.76 FT MLLW., NAVD 88 DATUM.
TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.

HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

US Army Corps of Engineers
San Francisco District
1455 Market Street
San Francisco, CA 94103

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PREPARED UNDER THE DIRECTION OF
JOHN C. MORROW
LT COLONEL, C.E. DISTRICT ENGINEER

| | | | |
|---|---|---|---|
| Surveyed By: | | Chart Date: | Sep 16, 2014 |
| Plotted By: | PDT | Designed by: | |
| Submitted: Hydro Survey Team Leader | | | |
| Recommended: Chief, Hydro Survey Section | | Drawn by: | PDT |
| Approved: Chief, Construction Branch | | Checked By: | PDT |

CONTRA COSTA COUNTY CALIFORNIA

SUISUN BAY CHANNEL
COMPOSITE SURVEYS
PREDREDGE - 29-30 JULY 2014
POSTDREDGE - 10 SEPTEMBER 2014

**Sheet Reference Number 6 of 12**