



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 (NAVD83), 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 USA NAIP 2010.

\*SHOALEST SOUNDING PER QUARTER PER REACH

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, NAVD 88.  
THE PROJECT DEPTH IS 35 FEET.

VERTICAL CONTROL:  
SUISUN BAY CHANNEL  
(LINES 46'00" TO 600'00" BENCHMARK "3" (1948), USC&GS DISK  
ELEV 14.075 FT MLLW, NAVD 88 DATUM.  
TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK

(LINES 660'00" TO 733'45" BENCHMARK "5144P" (1990 RESET 1997),  
USC&GS DISK, ELEV 21.76 FT MLLW, NAVD 88 DATUM.  
TIDE GAUGE LOCATED AT CONCORD NAVAL WEAPONS STATION TUG DOCK, NOAA STATION.

(LINES 660'00" TO 669'45" BENCHMARK "5144P" (1990 RESET 1997),  
USC&GS DISK, ELEV 11.82 FT MLLW, NAVD 88 DATUM.  
TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.

HORIZONTAL: CG DGPS  
TIDE: NOAA Tide Station 9 (ID: JT0141) - NOAA Tide Station 941.5111  
5144 P 1990 RESET 1997 - NOAA Tide Station 941.5144  
KEY WEST (CORPS BM) - NOAA Tide Station 941.5096

Sheet  
Reference  
Number  
**1 of 12**

U.S. Army Corps  
of Engineers  
San Francisco District  
San Francisco, CA 94103

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CALIFORNIA  
CONTRA COSTA COUNTY  
SUISUN BAY CHANNEL  
CONDITION SURVEY  
6, 9, 12 & 18 FEBRUARY 2015

Chart Date:  
Feb 27, 2015

Surveyed By:  
JOHN C. MORROW  
LT. COLONEL, G.E., DISTRICT ENGINEER

Plotted By:  
PDT

Designed by:  
Hydro Survey Team Leader

Recommended:  
Chief Hydro Survey Section

Drawn by:  
PDT

Checked by:  
PDT

Approved:  
Chief Construction Branch