

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

DISCLAIMER
 The United States Government furnishes these data as a public service and does not warrant, express or implied, the accuracy, completeness, or reliability of the data. The user is responsible for the results of any application of the data for other than its intended purpose. The United States Government shall be under no liability whatsoever to any person by reason of any use made hereof. These data belong to the Government. Therefore the recipient may not transfer these data to others without also transferring this Disclaimer.

Chart Date:	Feb 17, 2016
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

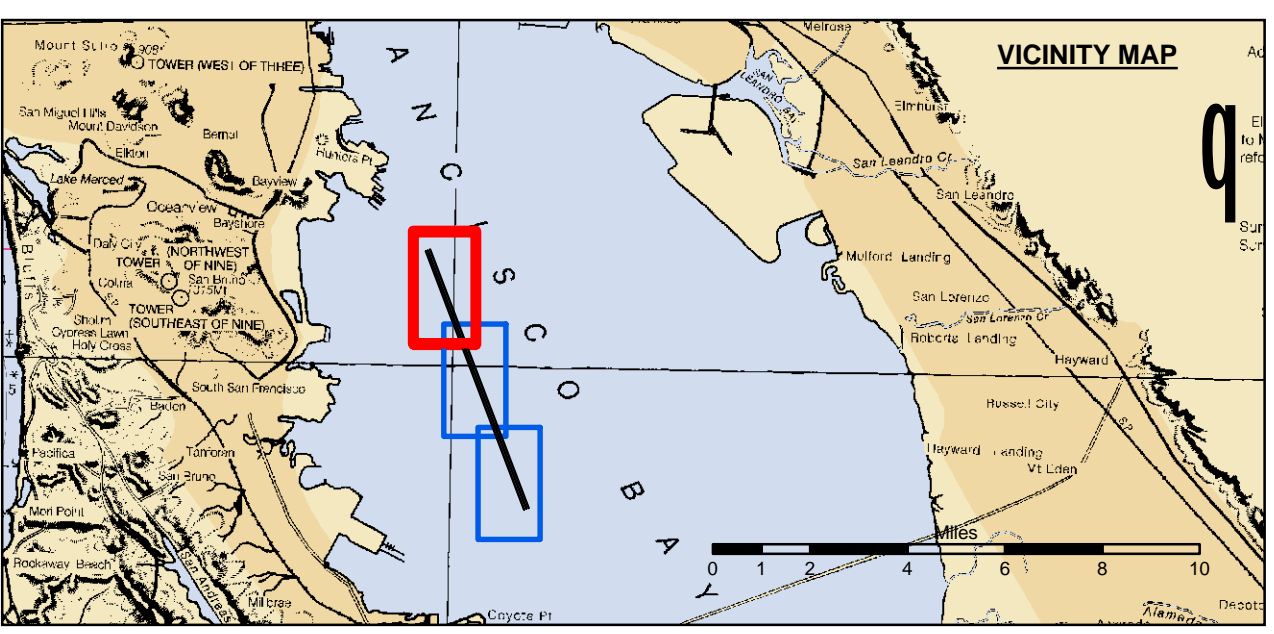
CALIFORNIA
 SAN BRUNO SHOALS
 CONDITION SURVEY
 04 FEBRUARY 2016

Sheet Reference Number
 1 of 3

PRELIMINARY ISSUE
 THIS PLAN ISSUED FOR
 ADVANCE INFORMATION ONLY

CENTERLINE ANGLE POINTS NAD 1983		
CENTERLINE ∠	EAST	NORTH
C1	6028432.2184	2082797.0402
C2	6039090.2184	2054839.0402

CHANNEL ANGLE POINTS NAD 1983		
CHANNEL ∠	EAST	NORTH
1	6028665.8184	2082886.0402
2	6039323.8184	2054933.0402
3	6038856.6184	2054749.9402
4	6028198.6184	2082707.9402



- | | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
| Shoaling Area | Obstruction Point | -30 |
| Placement Area | Navigation Buoy | -29 |
| Anchorage Area | Navigation Buoy | -28 |
| Wreck Area | Shoalest Sounding* | -27 |
| Submerged Wreck | | -26 |
| Angle Point | | |

NOTES:
 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.
 INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.
 SURVEYED BY THE CORPS OF ENGINEERS.
 *SHOALEST SOUNDING PER QUARTER PER REACH

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.
 PLANE GRID, BEARING AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE III NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 253, PUBLISHED BY NATIONAL OCEAN SURVEY.
 THE PROJECT DEPTH IS 30 FEET AT M.L.L.W.
 CONTROL: SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT THE HYDE STREET PIER, SAN FRANCISCO, CALIFORNIA.
 CONTROL:
 NOAA 941 4358
 BM 'S 1941': 15.74 FT MLLW
 HUNTERS POINT TIDE GAUGE: 13 FT MLLW
 NAIL AND BRASS WASHER (ORANGE RIBBON ATTACHED) ON PILING AT SE CORNER OF PIER 80
 NAIL LEVELED BY USACE ON 14 FEBRUARY 2016.
 HORIZONTAL COORDINATES: POST PROCESSED RTK FROM LOCAL REFERENCE STATIONS