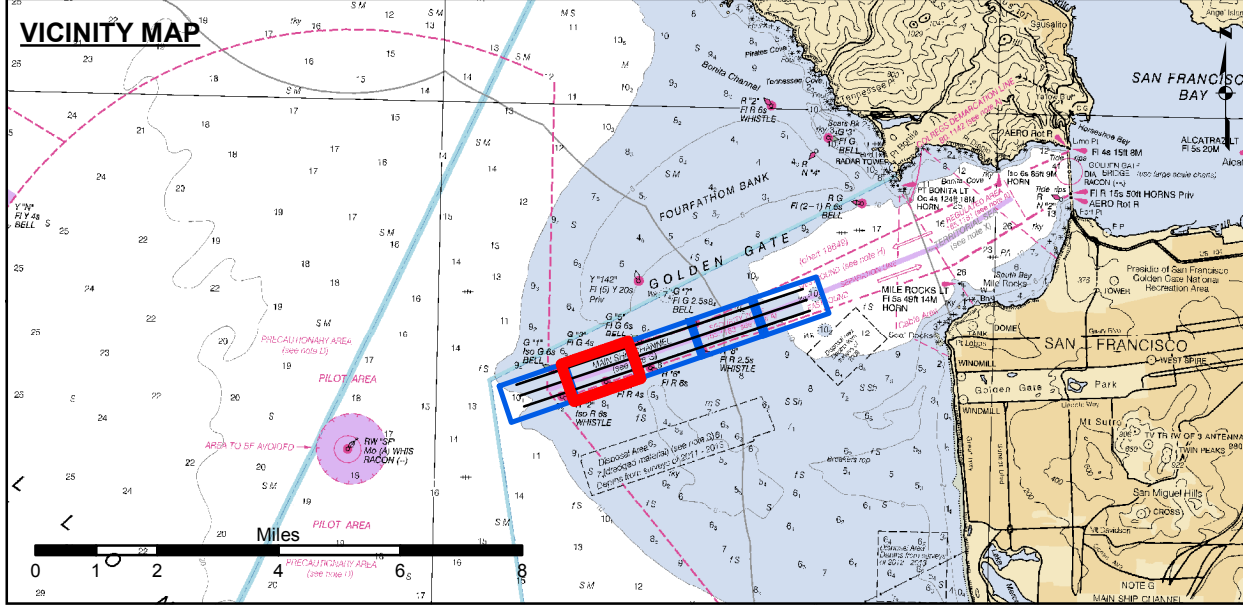


DISCLAIMER: The United States Government furnishes this information as a service to the public. It is not intended to be used for any purpose other than that for which it was prepared. The user is responsible for the accuracy of the data for their intended purpose. The user is responsible for the accuracy of the data for their intended purpose. The user is responsible for the accuracy of the data for their intended purpose.

Chart Date:	Jul 03, 2014
Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



- 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*
- Contour Lines**
- 51
 - 52
 - 53
 - 54
 - 55

DRAWINGS NOT TO BE USED AS 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 ARE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST FOOT AND TENTHS OF A FOOT.

SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.

PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION, ZONE III NAD83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.

THE PROJECT DEPTH IS 55 FEET AT M.L.L.W.

SOUNDINGS ARE BASED TIDE GAUGE LOCATED AT THE HYDE STREET PIER, SAN FRANCISCO, CALIFORNIA.

CONTROL:
Bonita 01 201337 49 10.915N, 122 31 51.344W
MLLW: 258.42 ft (VDatum)
WGS84: 46.188m

941 4290 N TIDAL
37 48 20.200N, 122 28 00.811W
MLLW: 11.92 ft
WGS84: -28.901m
NOAA ONLINE TIDE STATION 941 4290

POSITIONING:
HORIZONTAL: RTK
VERTICAL: RTK Tides
BASE STATION AT BONITA 01 2013
TIDE VERIFIED AT "TG 1" - NAIL SET AT 10.0 FT MLLW ON NOAA TIDE STATION PIER

SAN FRANCISCO BAY CALIFORNIA
SAN FRANCISCO MAINSHIP CHANNEL POSTDRUDGE SURVEY
20-25 June 2014

Sheet Reference Number
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