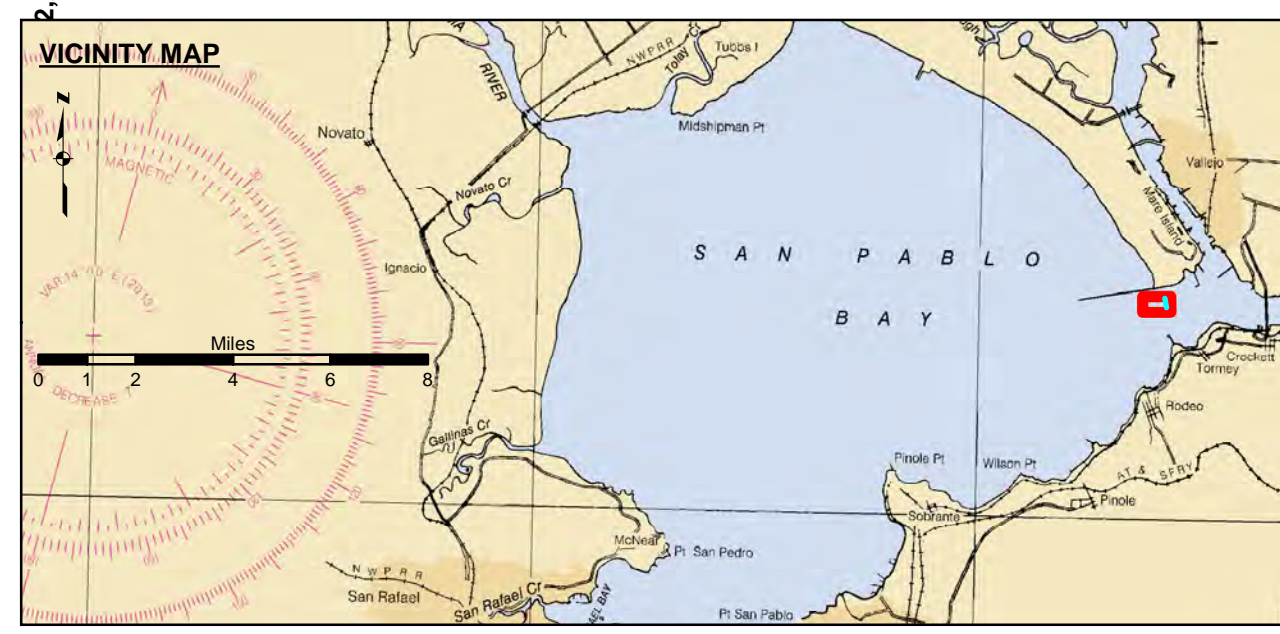


**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY

CHANNEL PT.	X	Y
1	6052094.6100	2214939.5300
2	6054064.3100	2215286.8300
3	6054237.9100	2214302.0300
4	6052268.3100	2213954.7300

CENTERLINE PT.	X	Y
C1	6052181.5100	2214447.1300
C2	6054151.1100	2214794.4300



- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Points
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding\*
- Contours
- Every 10' -20' to -120'

**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.  
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, BEARING AND COORDINATES ARE BASED ON LAMBERT PROJECTION, ZONE III NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY NATIONAL OCEAN SURVEY.  
PROJECT DEPTH IS 50 FEET AT M.L.L.W.  
SOUNDINGS ARE BASE TIDE GAUGE LOCATED AT AT MARE ISLAND COAST GUARD DOCK VERTICAL CONTROL U-466 1950 USC&S DISK ELEV. 13.99 FT MLLW TIDAL 5218L USC&S ELEV. 411.04 FT MLLW  
CONTROL:  
HORIZONTAL: CG DGPS  
VERTICAL/TIDE: 341 5218 L (No PID) - NOAA 941 5218

**US Army Corps of Engineers**  
San Francisco District  
450 Market Street  
San Francisco, CA 94102

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Prepared Under the Direction of <b>TRAVIS J. RAYFIELD</b> LT Colonel, C.E., District Engineer	Chart Date: Jun 27, 2019
Submitted: PDT	Designed by:
Recommended: Hydro Survey Team Leader	Drawn by:
Approved: Chief, Hydro Survey Section	Checked by:
Approved: Chief, Construction Branch	PDT

SOLANO-CONTRA COSTA COUNTY  
CALIFORNIA  
**CARQUINEZ STRAIT - SF 9**  
CONDITION SURVEY  
25 JUNE 2019

**Sheet Reference Number**  
1 of 1