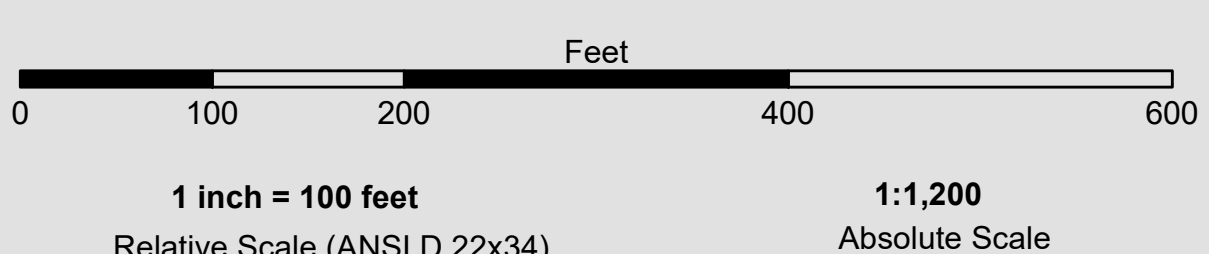
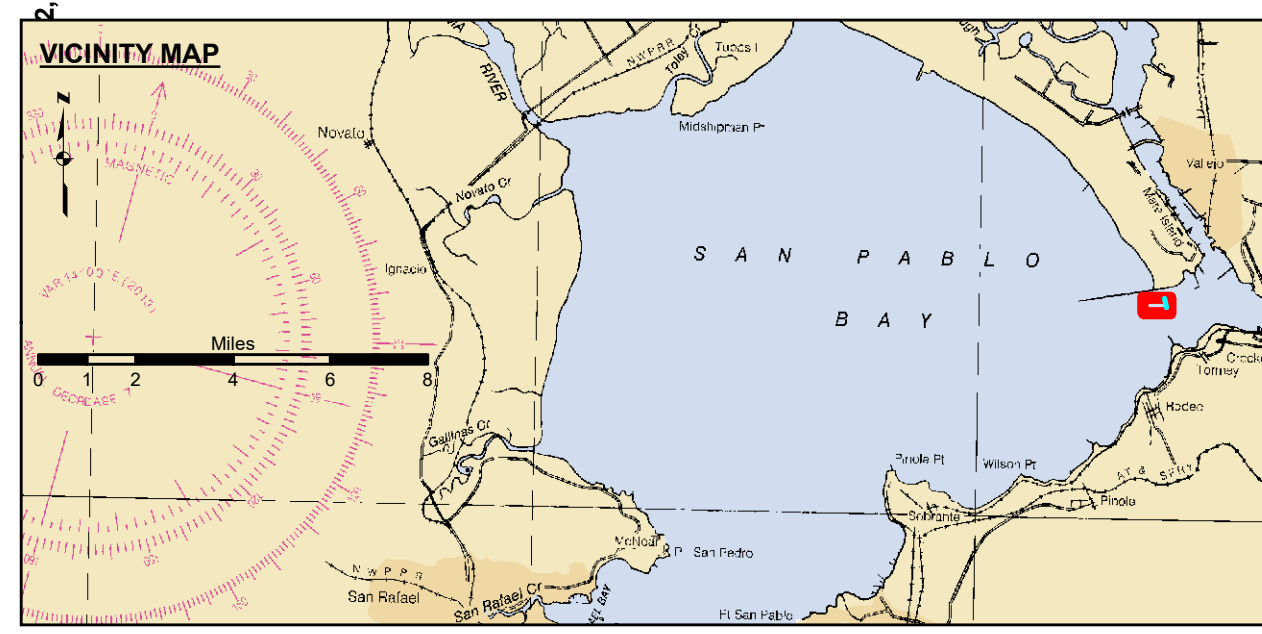


**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY



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 GUAGE LOCATED AT MARE ISLAND COAST GUARD DOCK VERTICAL CONTROL U-66 1950 USC&S DISK ELEV. 13.99 FT MLLW TIDAL 5218L USC&S ELEV. 411.04 FT MLLW  
CONTROL:  
HORIZONTAL: CG DGPS  
VERTICAL/TIDE: 941526 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:	Chart Date:
LT COLONEL C.E. DISTRICT ENGINEER	Apr 22, 2019
Plotted By:	Designed by:
Hydro Survey Team Leader	
Recommended:	Drawn by:
Chief, Hydro Survey Section	PDT
Approved:	Checked by:
Chief, Construction Branch	PDT

CALIFORNIA  
SOLANO-CONTRA COSTA COUNTY  
CARQUINEZ STRAIT - SF 9  
CONDITION SURVEY  
15 April 2019

**Sheet Number**  
1 of 1