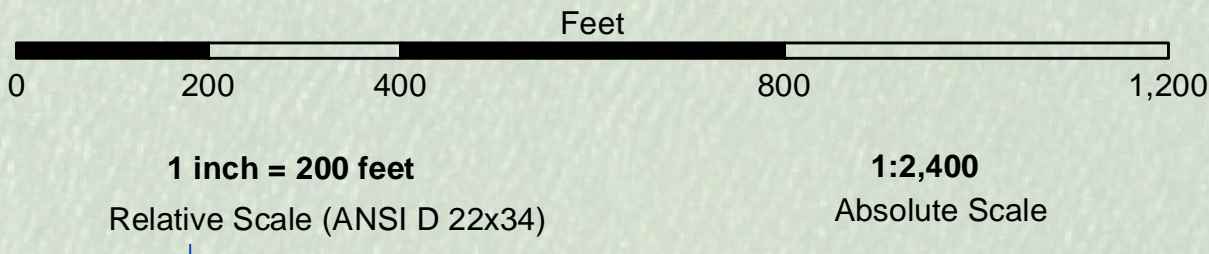


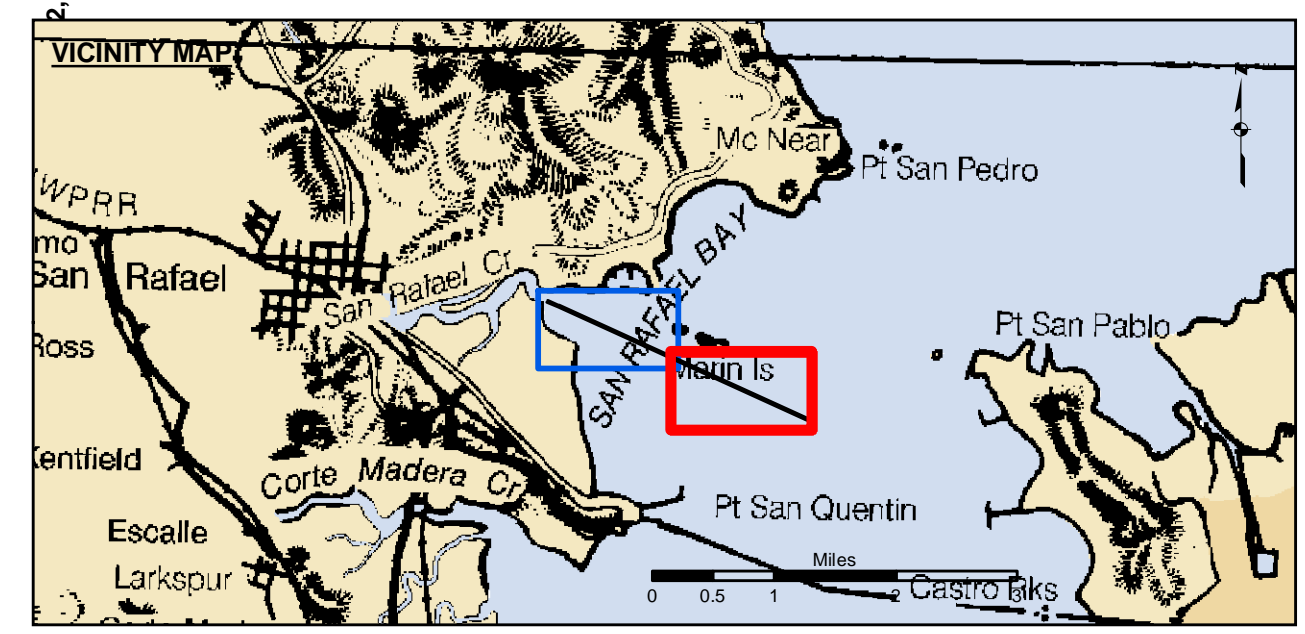
NAD 1983 CENTERLINE ANGLE POINTS		
ANGLE PT	X	Y
C01	5986334.07	2182035.55
C02	5997909.67	2176773.45

NAD 1983 CHANNEL ANGLE POINTS		
ANGLE PT	X	Y
1	5986637.57	2181930.55
2	5987101.87	2181719.45
3	5987110.07	2181737.65
4	5997928.37	2176818.95
5	5997886.97	2176727.95
6	5987076.67	2181646.65
7	5987076.97	2181664.85
8	5986606.07	2181878.95

**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
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← FLOOD  
EBB →



Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	-8
Anchorage Area	Navigation Buoy	-7
Wreck Area	Shoalest Sounding*	-6
Submerged Wreck		-5
Angle Point		-4

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 FOR THE OUTSIDE CHANNEL (100 FT WIDE) TAKEN BY FATHOMETER; THE INSIDE  
CHANNEL (60 FT WIDE) TAKEN BY LEAFLINE, AND ARE SHOWN TO THE NEAREST FOOT AND  
TENTH 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 NAD 83,  
CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY NATIONAL OCEAN SURVEY.  
THE PROJECT DEPTH IS 8 FEET IN 100 FT WIDE CHANNEL ACROSS THE FLATS, THENCE 6 FT IN 60 FT WIDE  
CHANNEL IRWIN STREET  
SOUNDINGS ARE BASE ON TIDE GAGE LOCATED AT EASTERLY END OF TURNING BASIN, AND REFERENCED TO U.S.C.  
& G.S. TIDAL B.M. NO. 17, A STD. DISK SET IN N.W. CORNER OF PUMP HOUSE DECK AT S. END OF YACHT CLUB BASIN,  
ON N. SIDE OF U.S. HWY. 101, AND 0.5 MI. S.E. OF SAN RAFAEL ELEVATION 9.81 FT ABOVE M.L.L.W.  
SOUNDINGS ABOVE DATUM ARE PREFIXED WITH A (+) SIGN.

**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>KEVIN P. ARNETT</b> LT Colonel, C.E., District Engineer	Chart Date: Apr 27, 2022
Submitted by: PDT	Designed by:
Recommended by: Chief, Hydro Survey Section	Drawn by: PDT
Approved by: Chief, Construction Branch	Checked by: PDT

CALIFORNIA  
MARIN COUNTY  
**SAN RAFAEL CREEK  
(ACROSS THE FLAT)  
CONDITION SURVEY**  
12-13 APRIL 2022

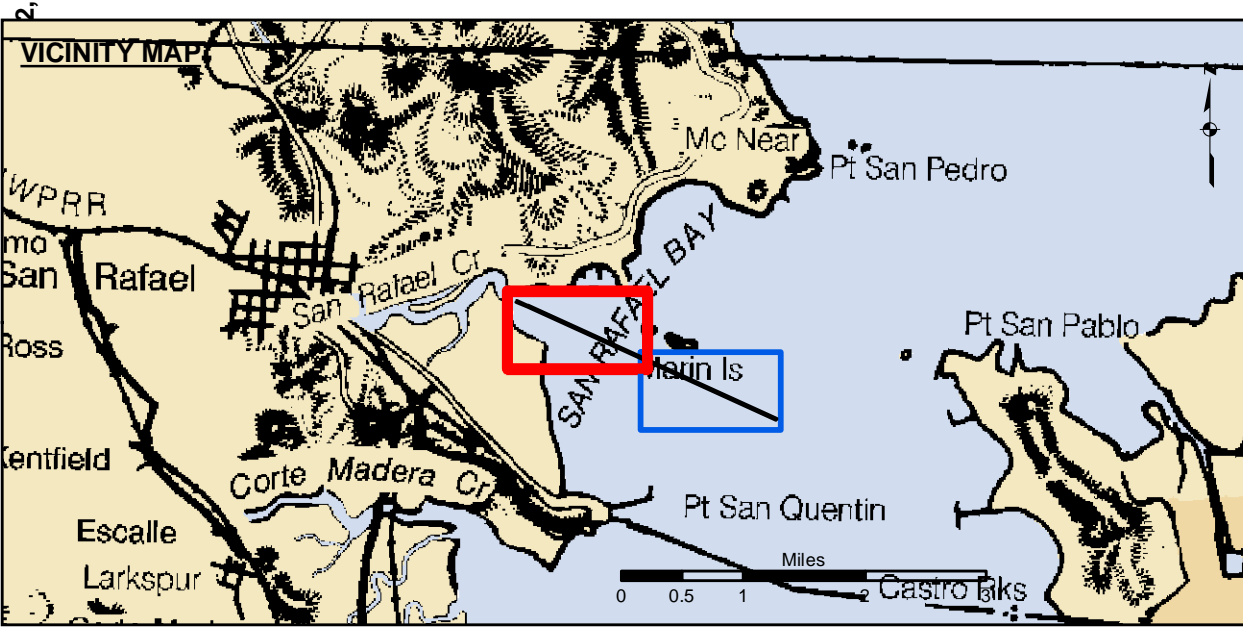
**Sheet  
Reference  
Number**  
1 of 2



NAD 1983 CENTERLINE ANGLE POINTS		
ANGLE PT	X	Y
C01	5986334.07	2182035.55
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Federal Navigation Channel	Beacon, General	<b>Contours</b>
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Chart Date:	Apr 27, 2022
Designed by:	
Drawn by:	PDT
Checked by:	PDT
Approved:	Chief, Construction Branch
Submitted:	PDT
Plotted by:	
Flashed by:	
Surveyed by:	KEVIN P. ARNETT
Prepared under the direction of:	LT COLONEL C.E. DISTRICT ENGINEER

CALIFORNIA  
MARIN COUNTY  
SAN RAFAEL CREEK  
(ACROSS THE FLAT)  
CONDITION SURVEY  
12-13 APRIL 2022

Sheet  
Reference  
Number  
**2 of 2**