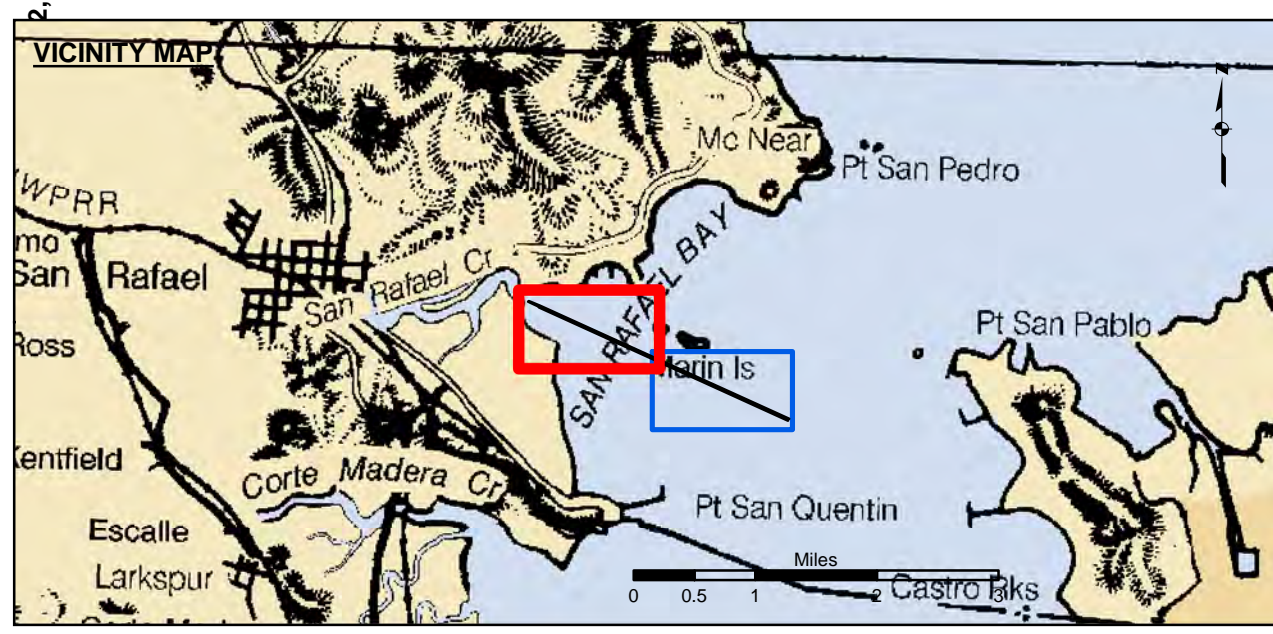


NAD 1983 CENTERLINE ANGLE POINTS		
ANGLE PT	X	Y
C01	5986334.07	2182035.55
C02	5997909.67	2176773.45

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  
ADVANCE INFORMATION ONLY



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.

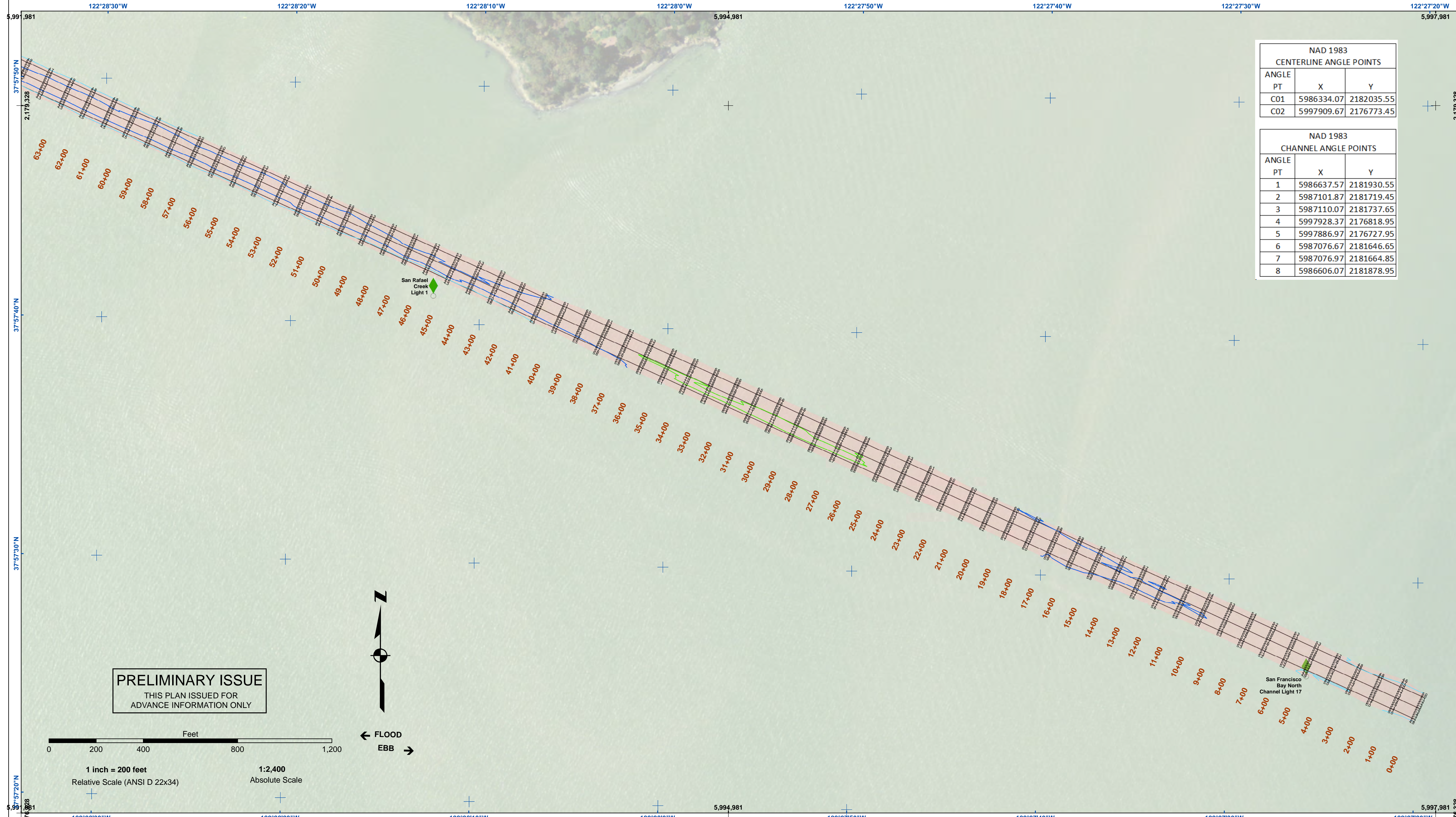
**US Army Corps of Engineers**  
San Francisco District  
450 Market Street  
San Francisco, CA 94102

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Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT. COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Oct 03, 2019
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

MARIN COUNTY  
**SAN RAFAEL CREEK  
ACROSS THE FLAT  
CONDITION SURVEY**  
24 SEPTEMBER 2019

**Sheet  
Reference  
Number**  
1 of 2



NAD 1983 CENTERLINE ANGLE POINTS		
ANGLE PT	X	Y
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C02	5997909.67	2176773.45

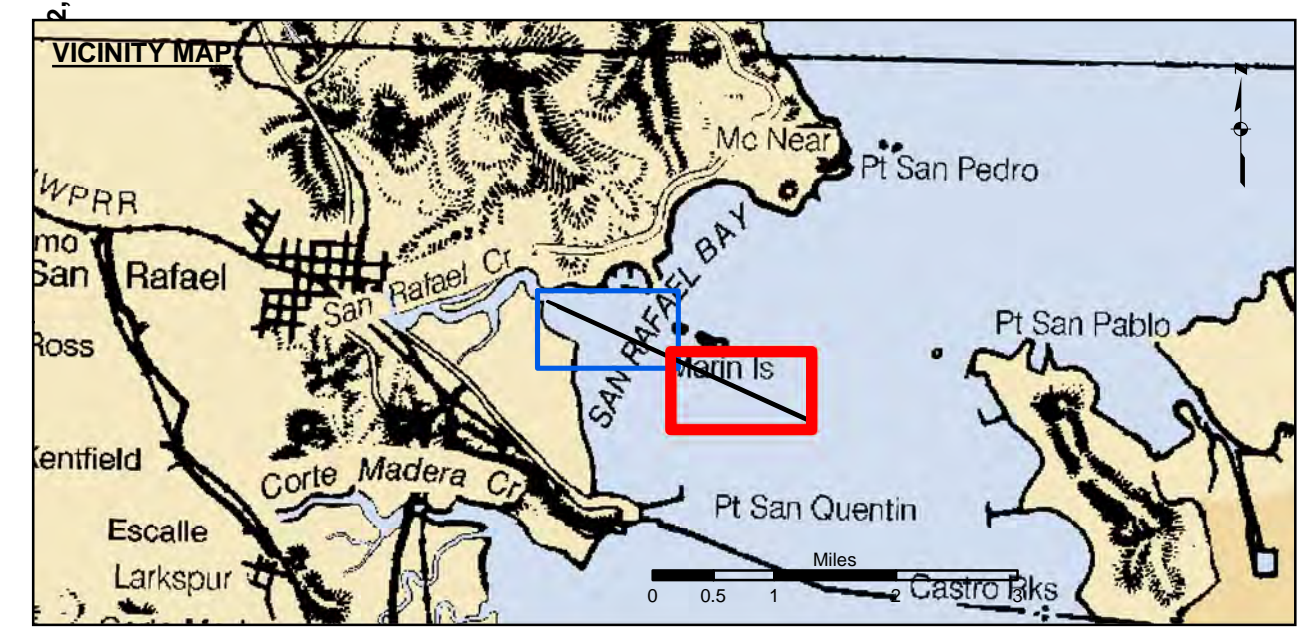
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Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E. DISTRICT ENGINEER	Chart Date: Oct 03, 2019
Submitted by: PDT	Designed by:
Recommended by: Chief, Hydro Survey Section	Plotted by:
Approved by: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

MARIN COUNTY  
**SAN RAFAEL CREEK  
ACROSS THE FLAT  
CONDITION SURVEY  
24 SEPTEMBER 2019**



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

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