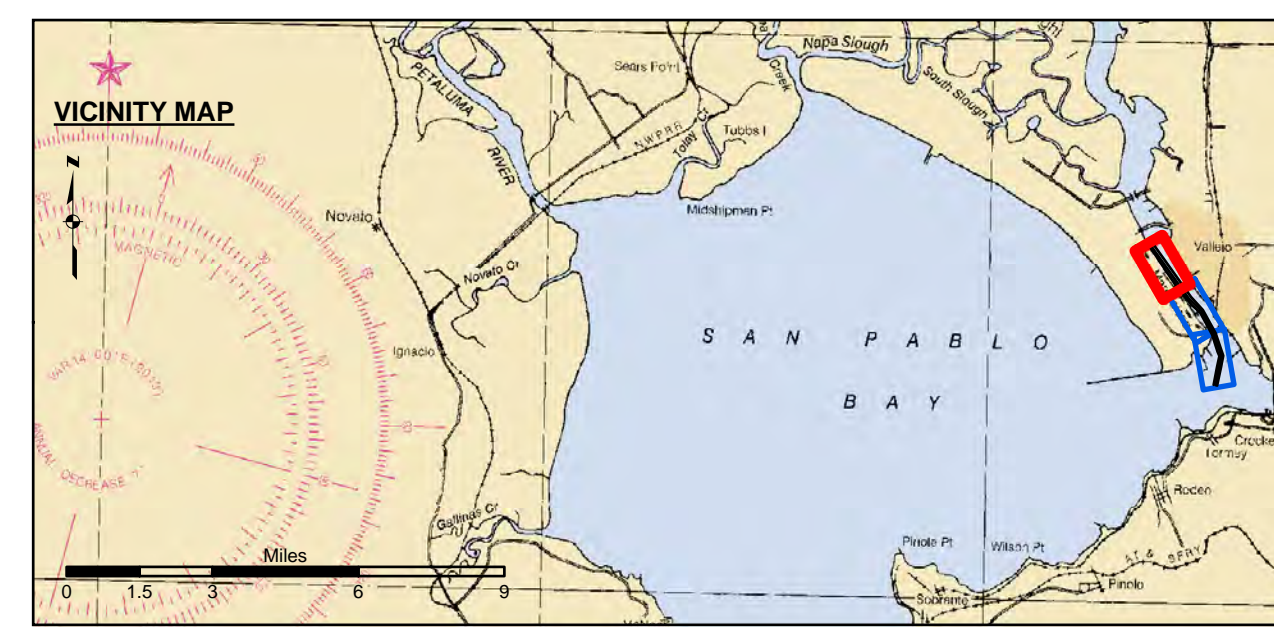
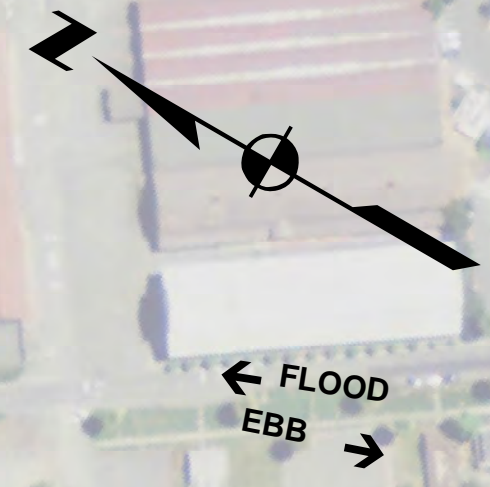


NAD 83 CHANNEL ANGLE POINT		
Angle Pt	X	Y
C01	6051581.21	2230222.67
C02	6055795.81	2224330.97
C03	6057191.11	2222944.87
C04	6058518.11	2220503.97
C05	6059347.51	2218102.87
C06	6058696.31	2214902.17

NAD 83 CHANNEL ANGLE POINT		
Angle Pt	X	Y
1	6051829.91	2230390.67
2	6052091.81	2230024.57
3	6056039.61	2224505.87
4	6057346.91	2223082.07
5	6058699.11	2220590.07
6	6059555.31	2218121.17
7	6058891.41	2214858.27
8	6058501.11	2214945.97
9	6059139.71	2218084.57
10	6058937.71	2218596.57
11	6058337.01	2220417.87
12	6057035.31	2222807.67
13	6056140.51	2223621.17
14	6054337.11	2225843.77
15	6051448.71	2230133.17

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Federal Navigation Channel	Beacon, General	Contours
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	
Anchorage Area	Navigation Buoy	
Wreck Area	Shoalest Sounding*	
Submerged Wreck		-35
Angle Point		-34
		-33
		-32
		-31

NOTES:
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VERTICAL CONTROL:
USACE BM NAPAR03, MLLW=11.609 FT
MARK LOCATED ON PIER 56, MARE ISLAND

NOS BM 5218 K 1976 (PID-JT9537), MLLW = 12.136 FT
MARK US LOCATED AT SOUTH END OF MARE ISLAND
http://idesandcurrents.noaa.gov/data_menu.shtml?stn=9415218
MARE ISLAND, CA & TYPE = BENCH MARK SHEETS
TIDE GAUGE LOCATION:
1. NOAA STATION 941 5218 - ONLINE
2. MARE ISLAND BERTH 2
HORIZONTAL GPS CONTROL
COAST GUARD D-BEACON
PLANE GRID AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE III NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY NATIONAL OCEAN SURVEY.
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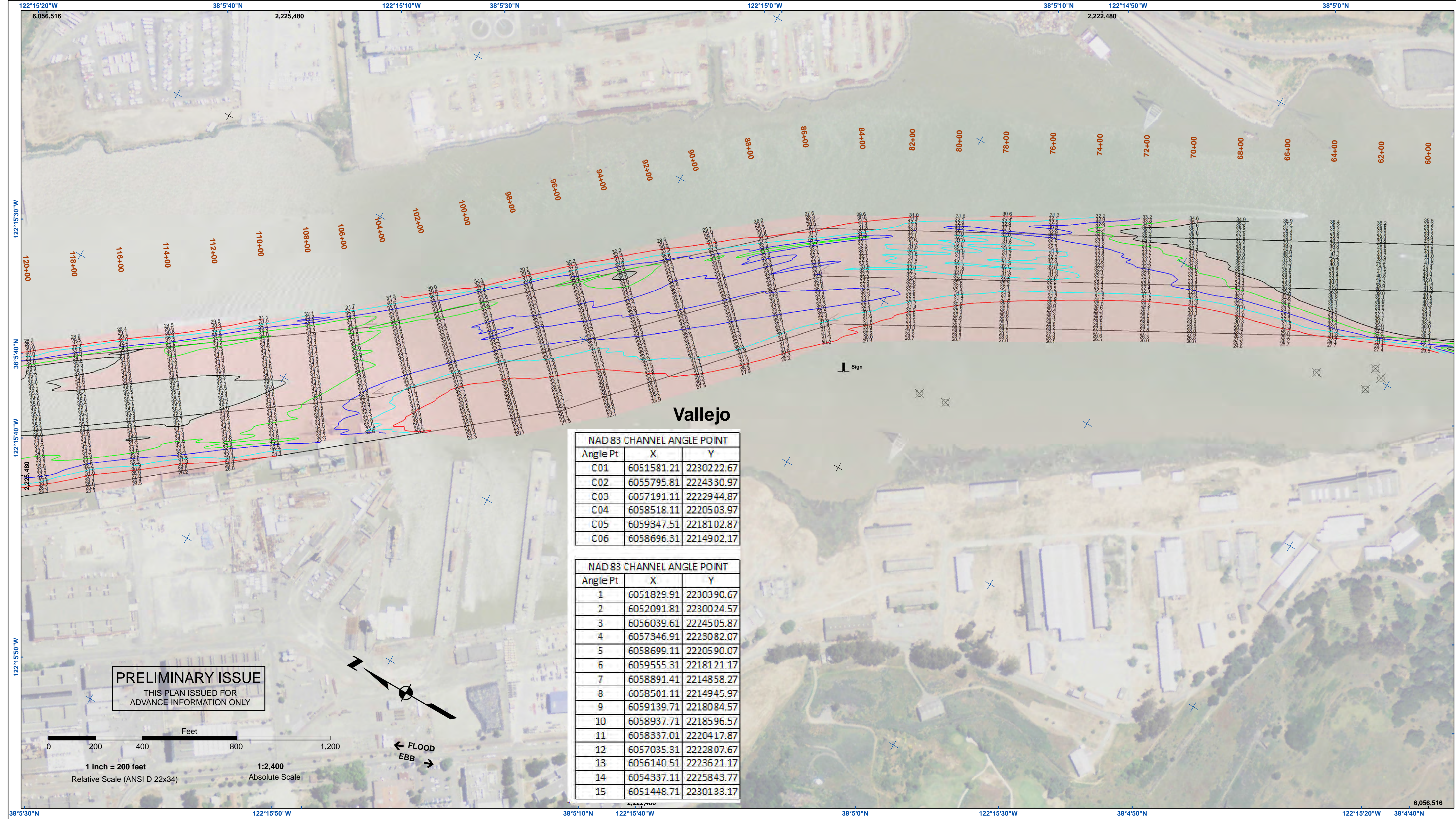


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Prepared Under the Direction of: TRAVIS J. RAYFIELD LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Jul 20, 2018
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	

CALIFORNIA
**MARE ISLAND STRAIT
CONDITION SURVEY**
10 JULY 2018

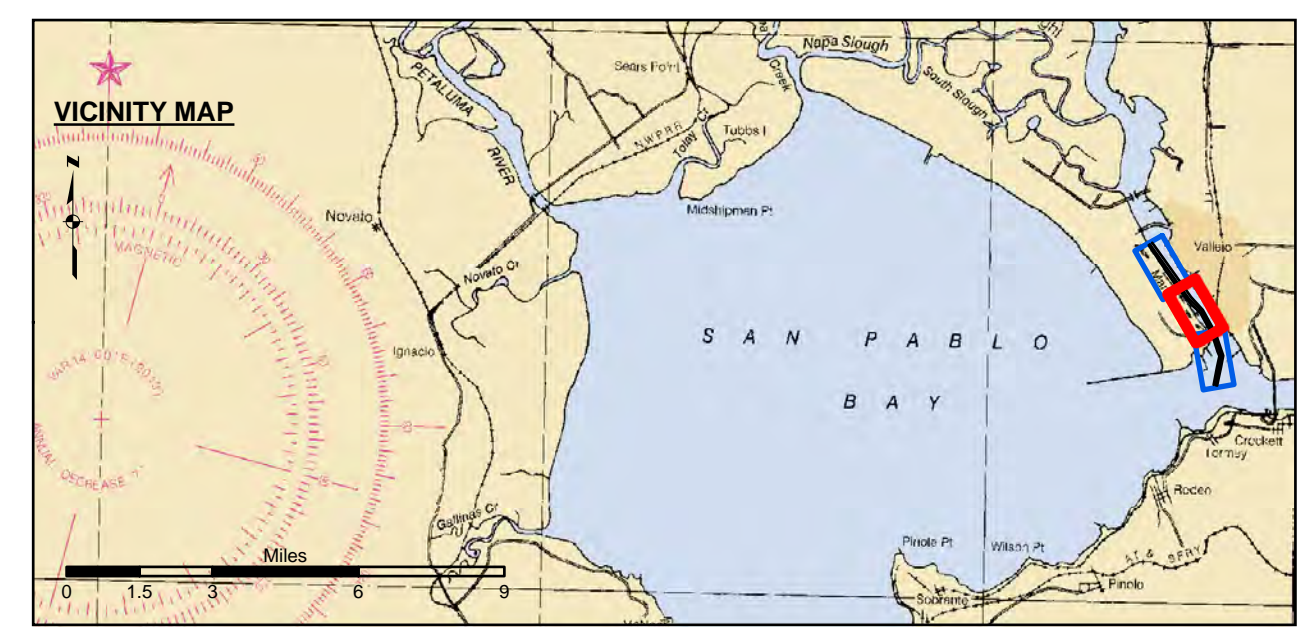
**Sheet
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Angle Pt	X	Y
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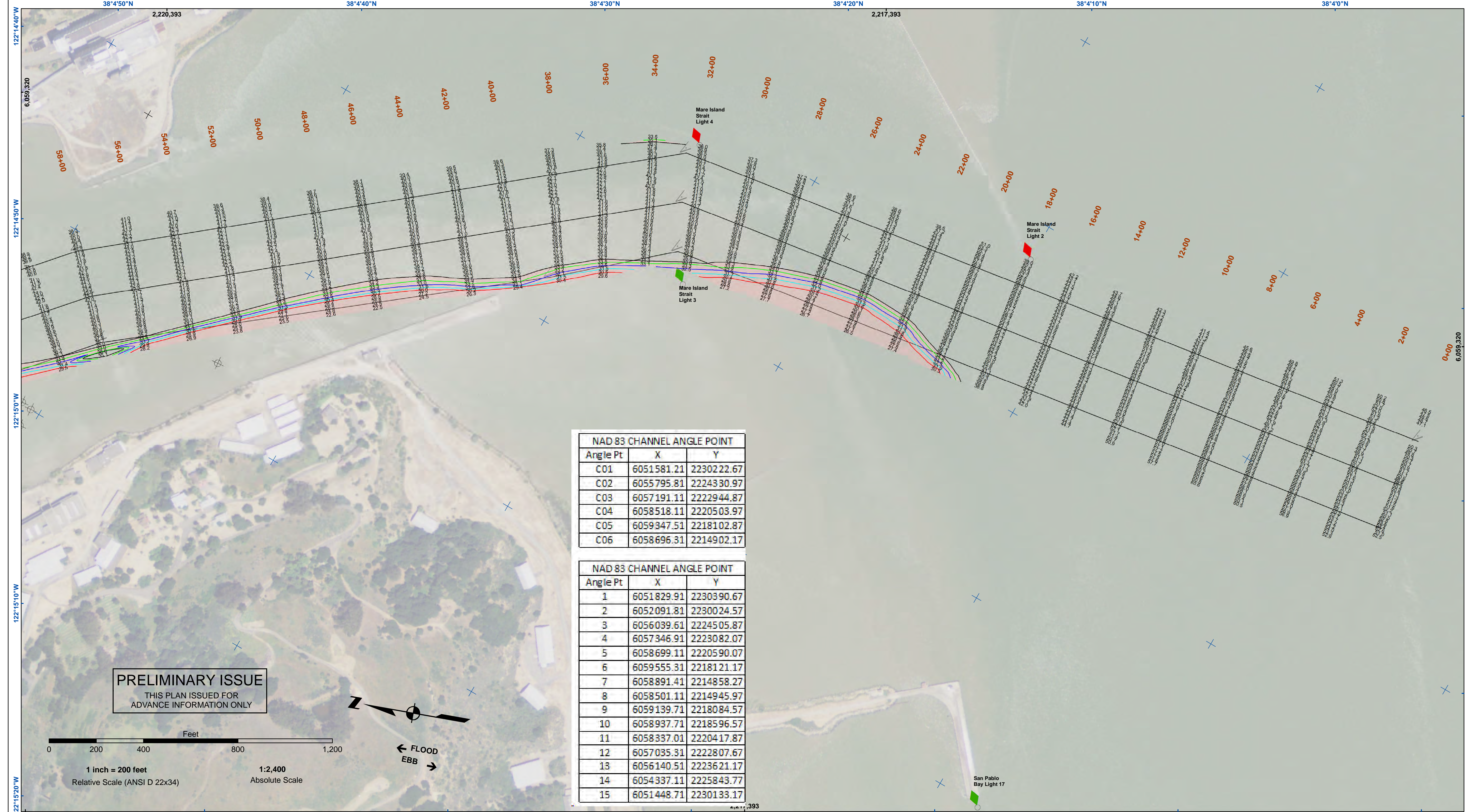
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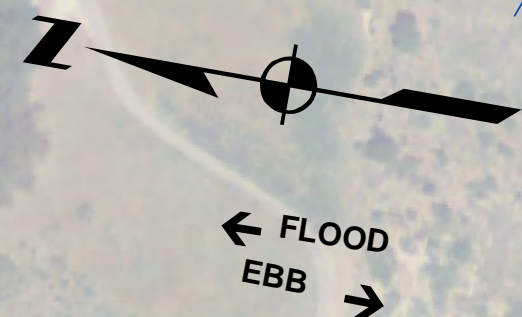
Chart Date:	Jul 20, 2018
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

MARIN COUNTY
CALIFORNIA
**MARE ISLAND STRAIT
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**Sheet
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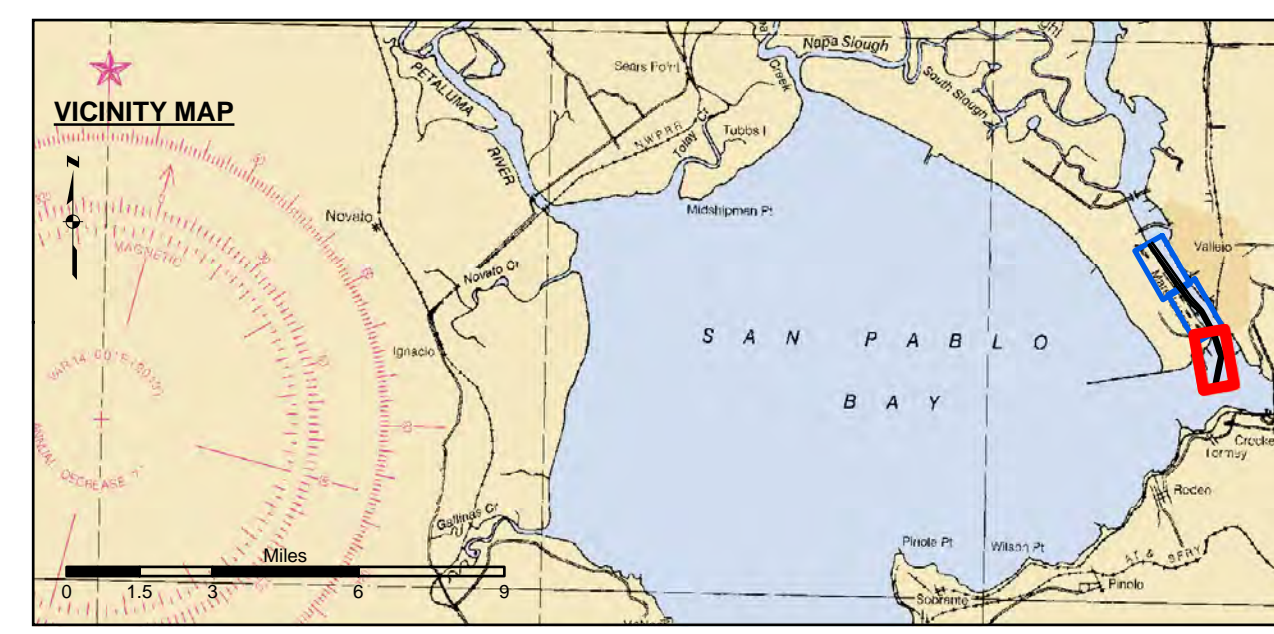


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MARE ISLAND STRAIT
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3 of 3