

AnglePoint	POINT_X	POINT_Y
01	6009617.00	2192346.00
02	6012570.00	2196164.00
03	6016237.00	2199512.00
04	6022215.00	2203334.00
05	6034692.58	2210763.40
06	6047610.83	2213082.91
07	6059067.95	2213781.27
08	6058127.86	2213182.59
09	6057419.43	2213135.37
10	6055006.55	2212296.87
11	6053815.20	2211848.50
12	6047716.66	2212492.26
13	6038393.66	2210459.23
14	6033802.66	2209535.23
15	6022551.66	2202836.23
16	6016604.00	2199034.00
17	6013013.00	2195756.00
18	6010090.00	2191976.00
C01	6009631.93	2192304.35
C02	6012791.00	2195960.00
C03	6016421.00	2199273.00
C04	6022385.00	2203086.12
C05	6033649.18	2209793.00
C06	6034836.66	2210359.38
C07	6036340.65	2210754.51
C08	6047663.65	2212787.53
C09	6053760.51	2212668.82
C10	6057399.48	2213434.70
C11	6058107.91	2213481.93

2,193,713

San Pablo Bay Channel Light 5

2,196,713

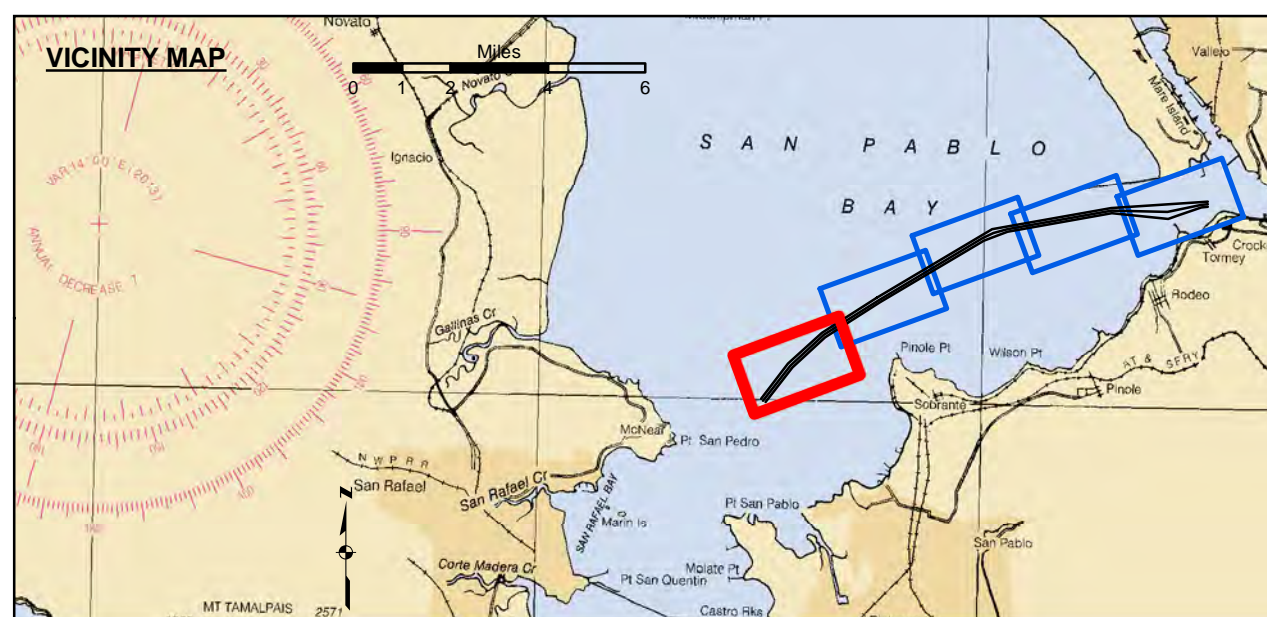
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6,015,543

2,193,713

6,018,543



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

NOTES:
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 VERTICAL CONTROL:
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 BENCHMARK "5218 L" (1976) USC&GS DISK. ELEV. 11.00 MLLW.
 TIDE GAUGE LOCATED AT MARE ISLAND PIER 35.

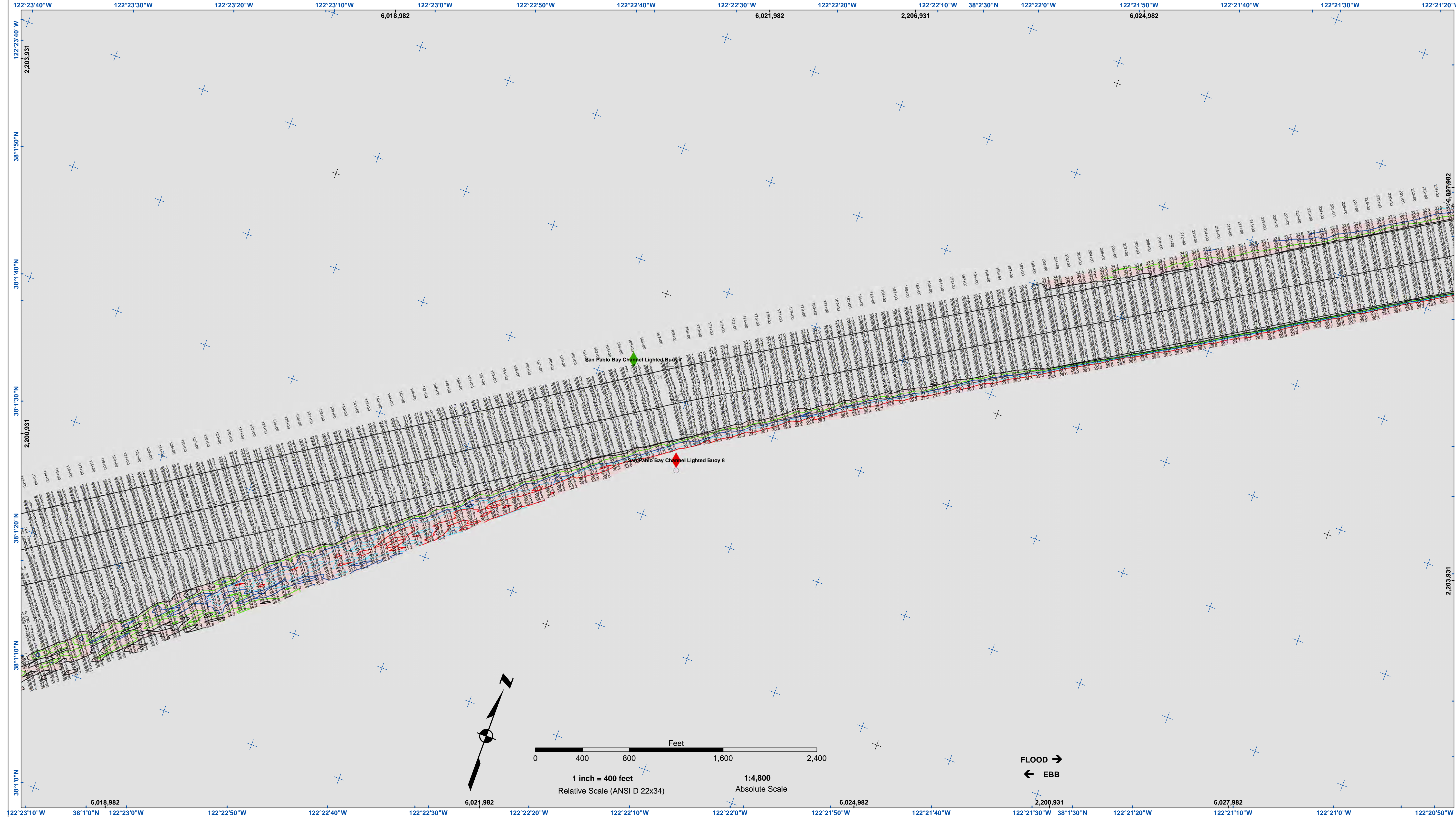
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Chart Date:	Sep 10, 2019
Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 19-29 AUGUST 2019

Sheet Reference Number
1 of 5



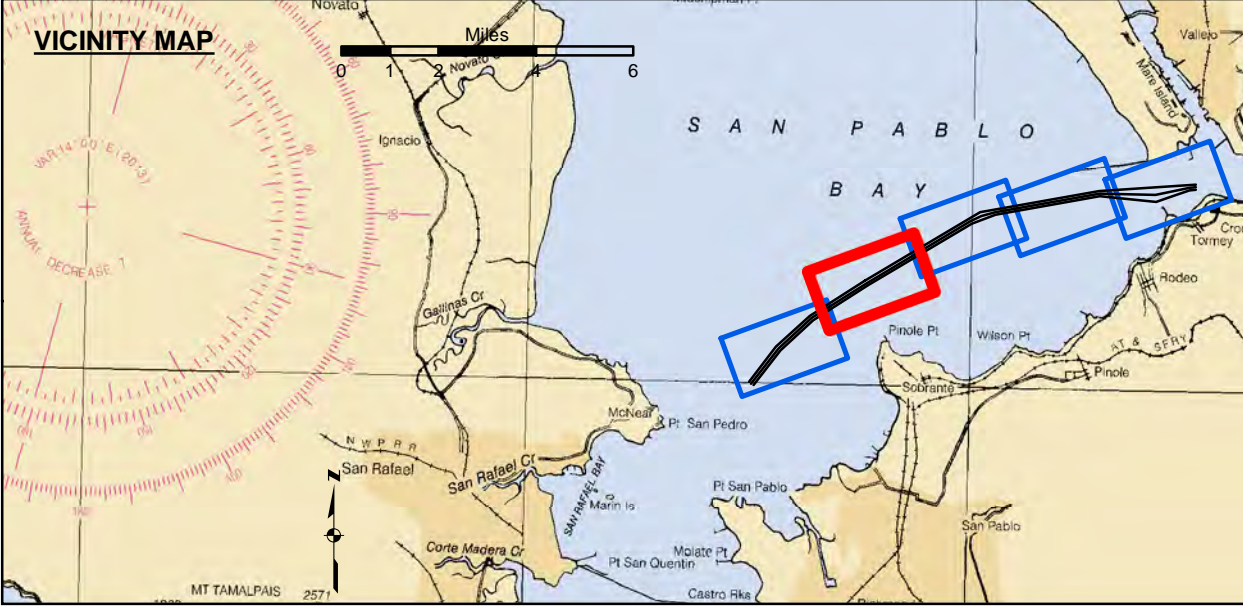
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Prepared Under the Direction of JOHN D. CUNNINGHAM LT COLONEL, C.E. DISTRICT ENGINEER	Chart Date: Sep 10, 2019
Submittal: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 19-23 AUGUST 2019
 SAN PABLO BAY

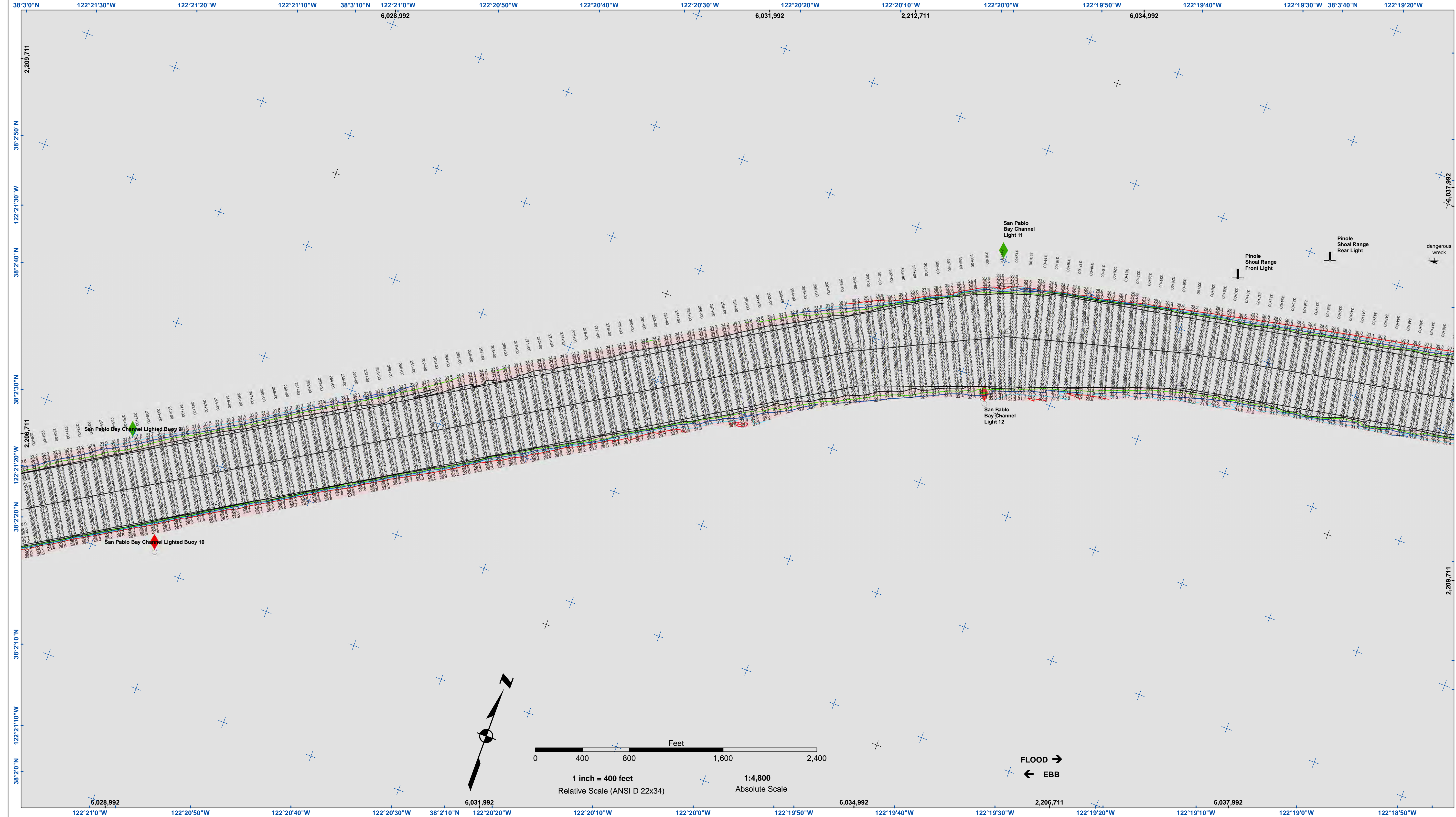
Sheet Reference Number
 2 of 5



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|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
| Shoaling Area | Obstruction Point | -35 |
| Placement Area | Navigation Buoy | -34 |
| Anchorage Area | Navigation Buoy | -33 |
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| Submerged Wreck | | |
| Angle Point | | |

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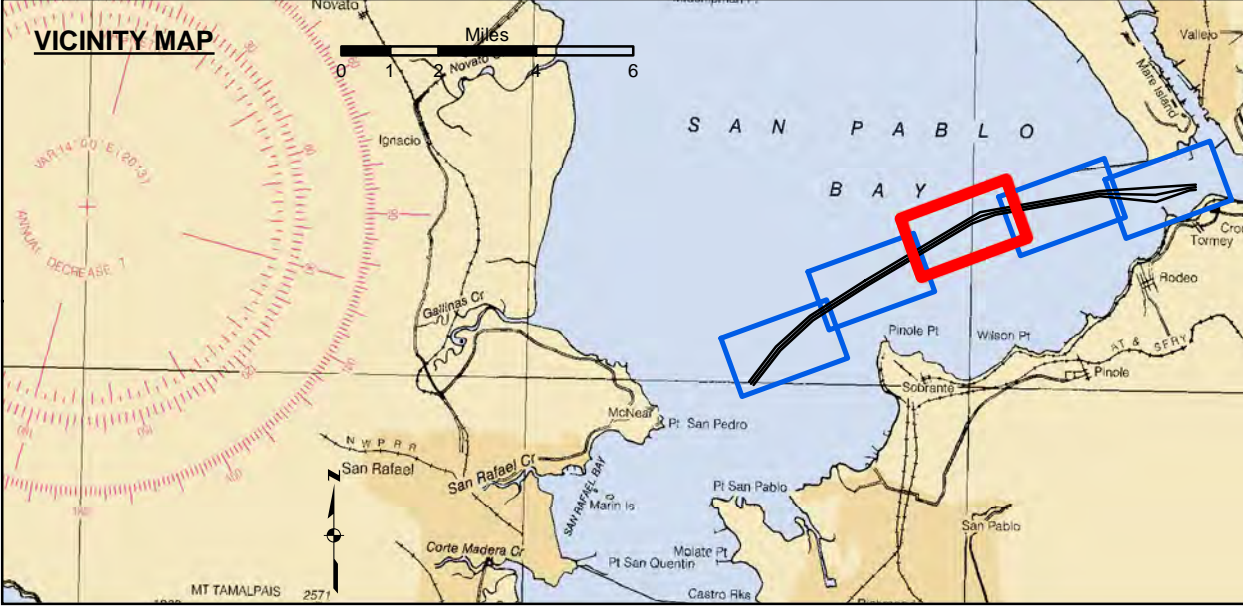


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Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 19-29 AUGUST 2019

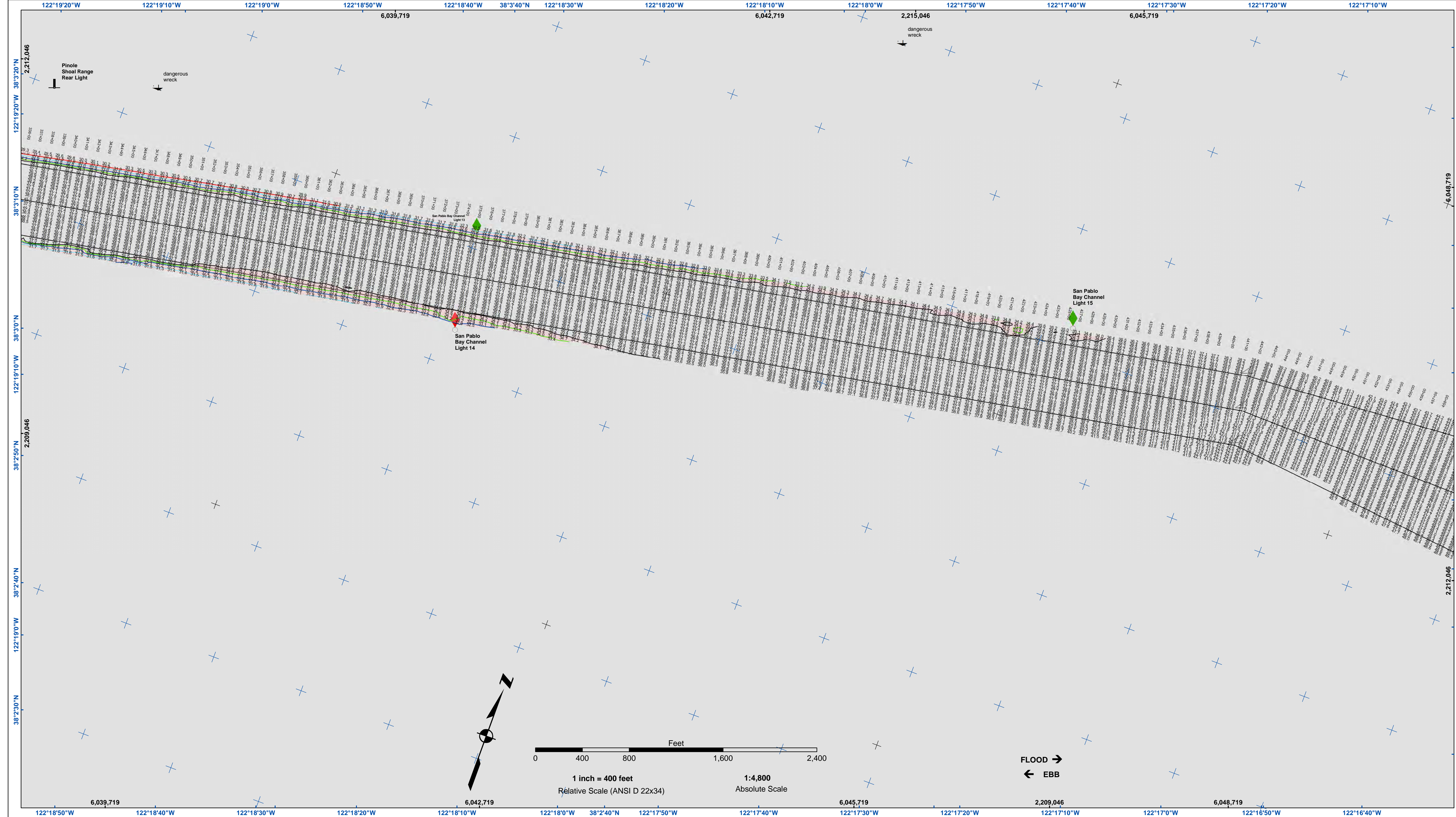


- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding*
- Countours
- 35
- 34
- 33
- 32
- 31

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Sheet Reference Number
 3 of 5

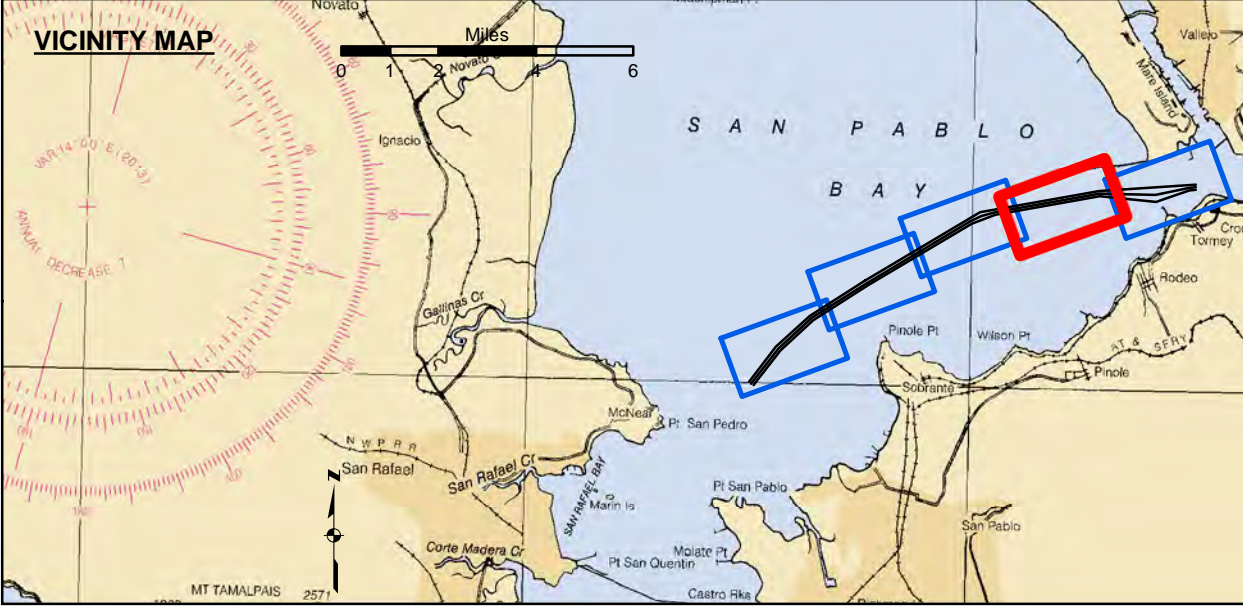


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Subject: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 19-23 AUGUST 2019
 SAN PABLO BAY

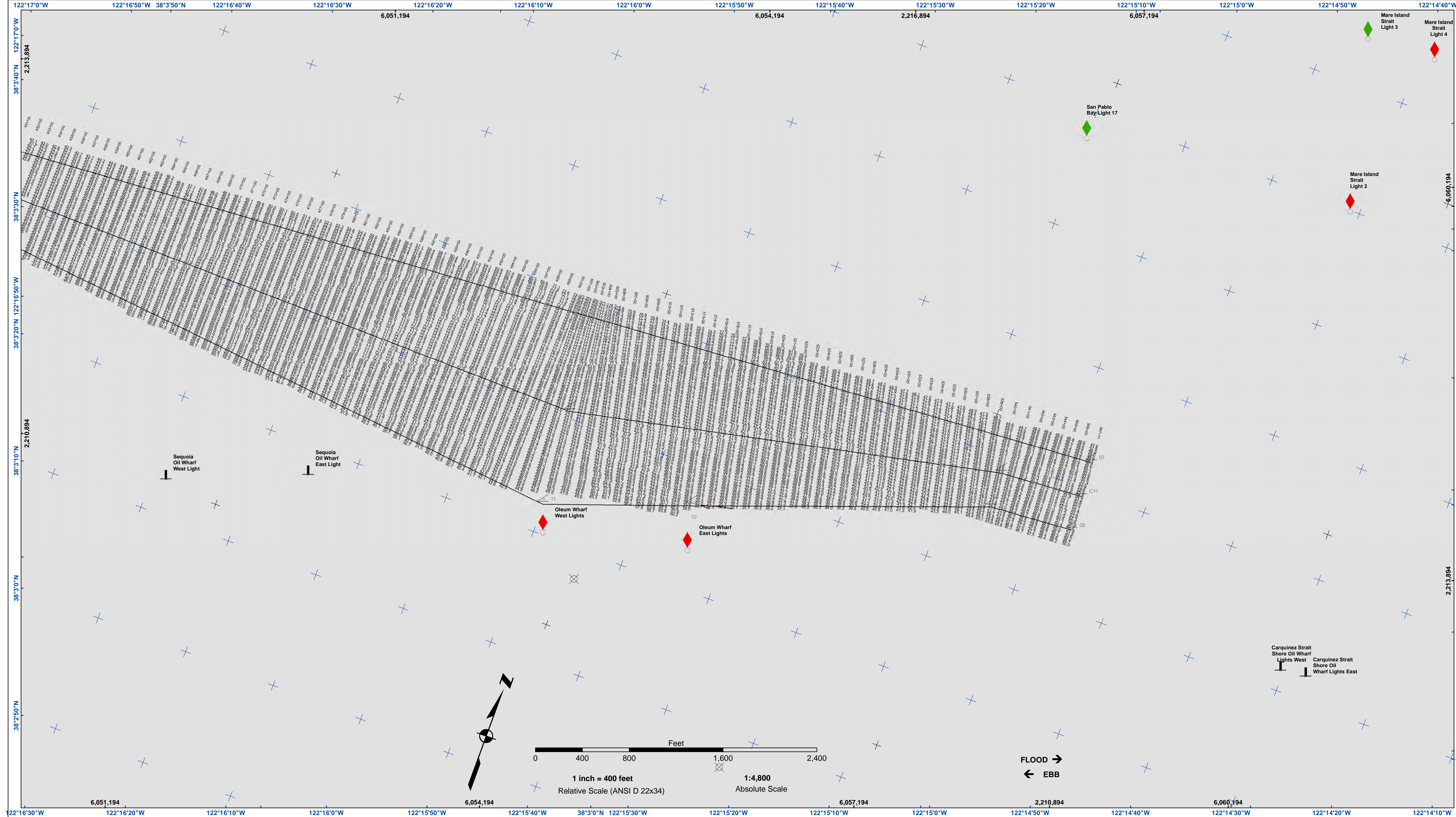


- | | | |
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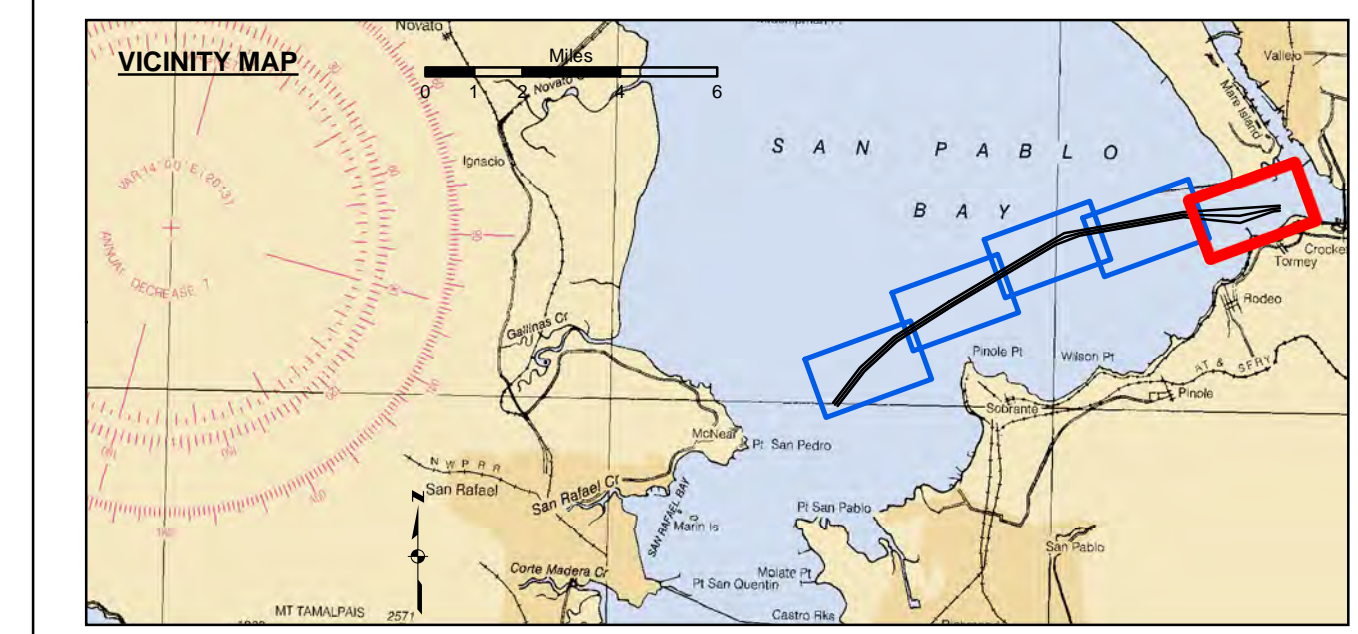
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CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 19-23 AUGUST 2019

Sheet Reference Number
 5 of 5



	Federal Navigation Channel		Beacon, General		Countours
	Shoaling Area		Obstruction Point		-35
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	Submerged Wreck				
	Angle Point				

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