

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	2210793.40
06	6047610.83	2213082.81
07	6059867.95	2213781.27
08	6058127.86	2213182.59
09	6057419.43	2213135.37
10	6055006.55	2212298.87
11	6053815.20	2211848.50
12	6047716.66	2210459.23
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

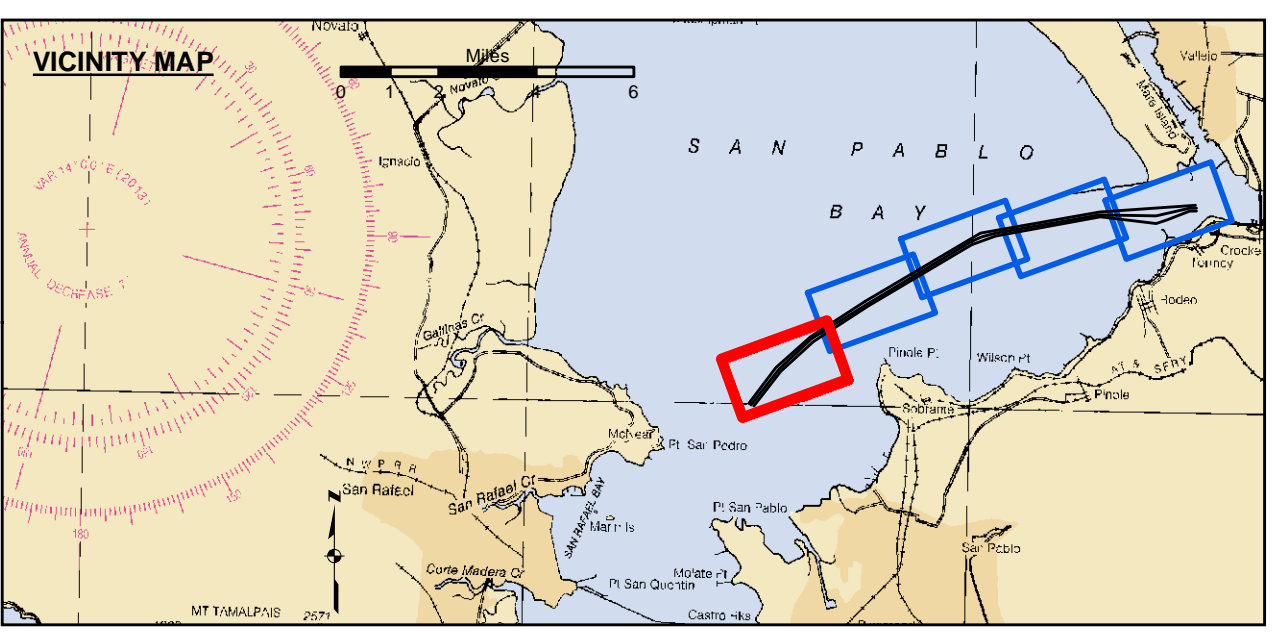
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 San Francisco District  
 1455 Market Street  
 San Francisco, CA 94103

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Prepared Under the Direction of	Chart Date:	July 15, 2021
JOHN D. CUNNINGHAM	Designed by:	
LT COLONEL, C.E., DISTRICT ENGINEER	Plotted by:	PDT
Subject:	Recommended:	Checked by:
Hydro Survey Team Leader	Chief, Hydro Survey Section	PDT
Approved:	Chief, Construction Branch	PDT

CALIFORNIA  
**PINOLE SHOALS**  
 CONDITION SURVEY  
 24 JUNE - 07 JULY 2021

**Sheet**  
**Reference**  
**Number**  
**1 of 5**

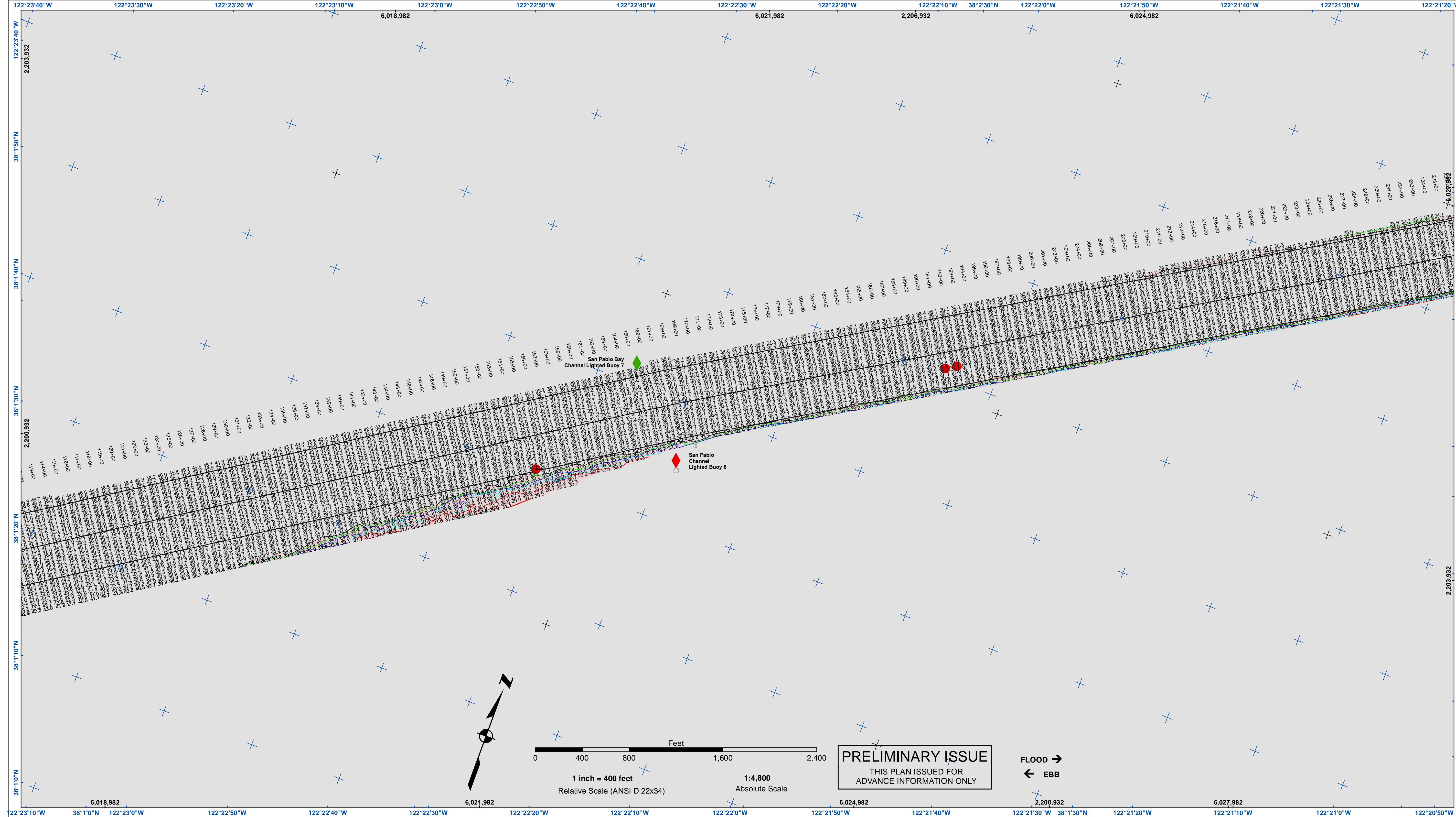


- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding\*
- Contours**
- 35
- 34
- 33
- 32
- 31

**NOTES:**  
 HORIZONTAL COORDINATE SYSTEM:  
 NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE III. DISTANCE UNITS IN U.S. SURVEY FEET.  
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 SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.  
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 \*SHOALEST SOUNDING PER QUARTER PER REACH

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 THE PROJECT DEPTH IS -35 FEET AT MLLW.  
 PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION, NAD 83, ZONE III CALIFORNIA AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.  
 HORIZONTAL GPS CONTROL:  
 COAST GUARD D-BEACON  
 VERTICAL CONTROL:  
 BENCHMARK "5059 C" (1978) USC&GS DISK. ELEV. 34.75 MLLW, NAVD 88 DATUM  
 TIDE GAUGE LOCATED AT POINT PINOLE PIER  
 BENCHMARK "2218 L" (1976) USC&GS DISK. ELEV. 11.00 MLLW, NAVD 88 DATUM  
 TIDE GAUGE LOCATED AT MARE ISLAND PIER 35.





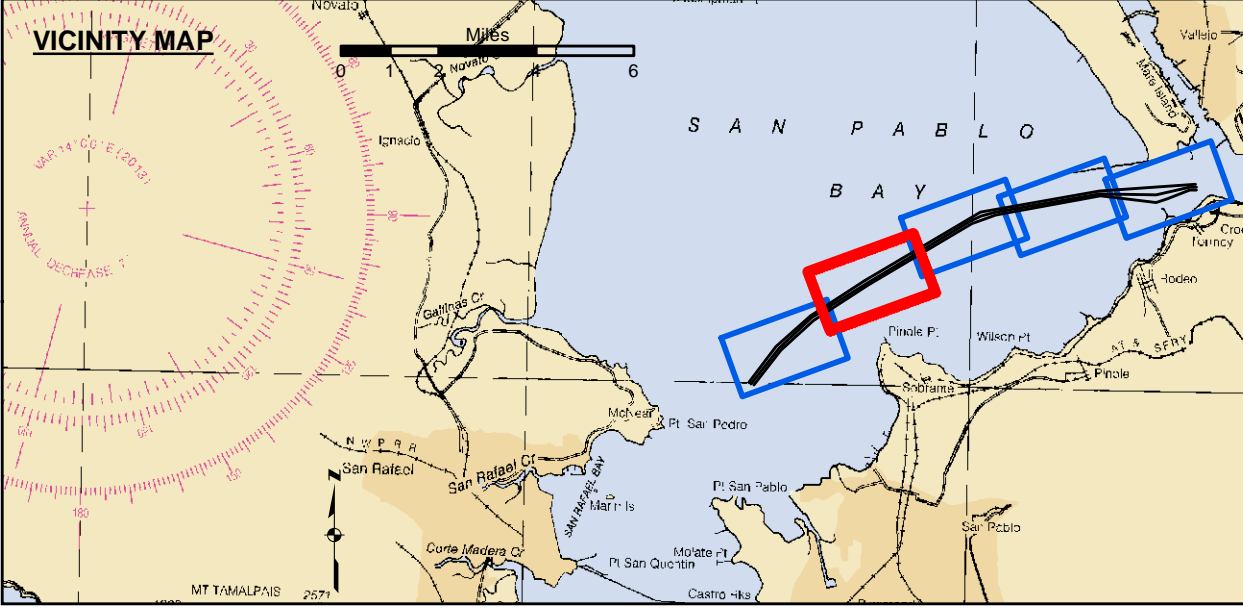
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Chart Date:	Jul 15, 2021
Designed by:	
Drawn by:	PDT
Surveyed By:	
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

CALIFORNIA  
**PINOLE SHOALS**  
 CONDITION SURVEY  
 24 JUNE - 07 JULY 2021  
 SAN PABLO BAY

**Sheet Reference Number**  
 2 of 5

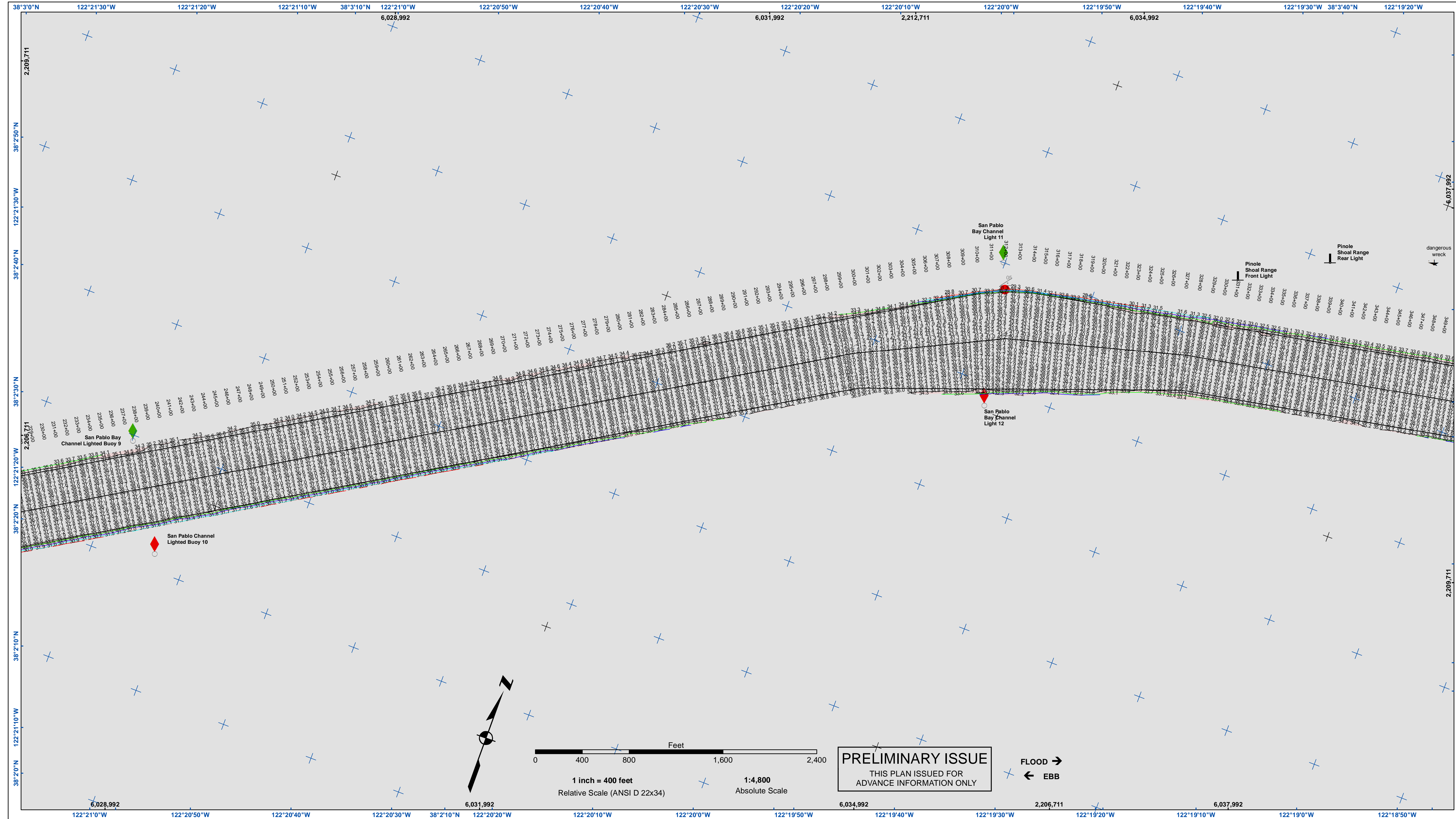


- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding\*
- Countours**
- 35
- 34
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- 32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

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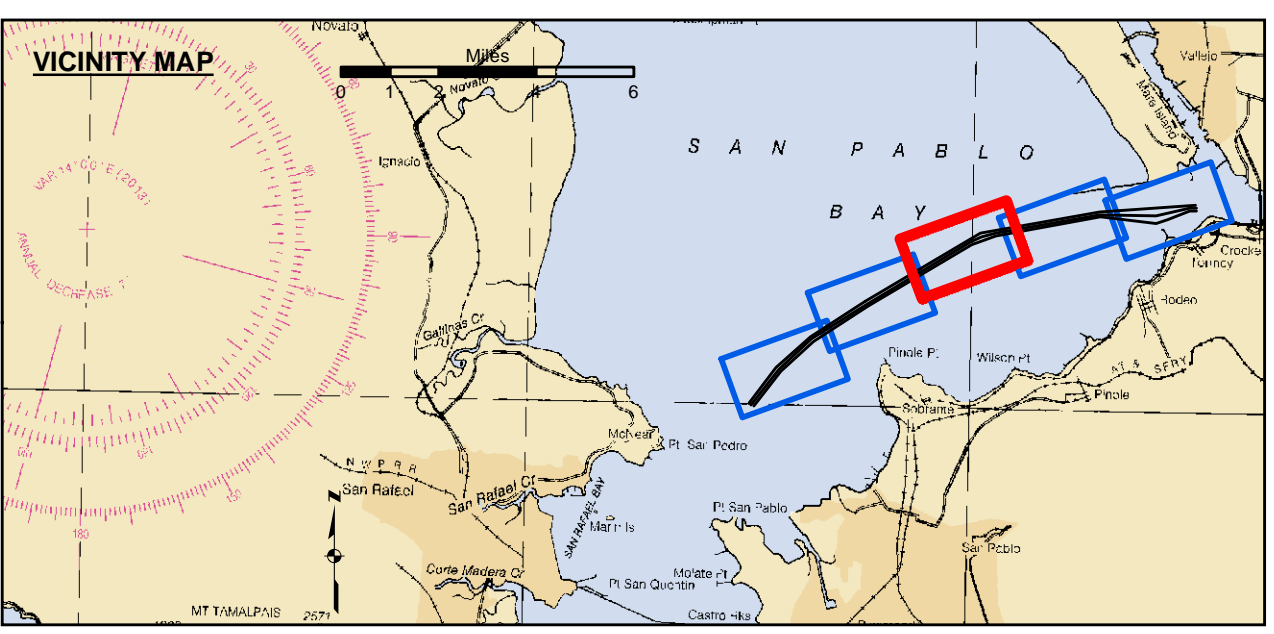
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Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Jul 15, 2021
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

CALIFORNIA  
**PINOLE SHOALS**  
 CONDITION SURVEY  
 24 JUNE - 07 JULY 2021

**Sheet**  
**Reference**  
**Number**  
**3 of 5**

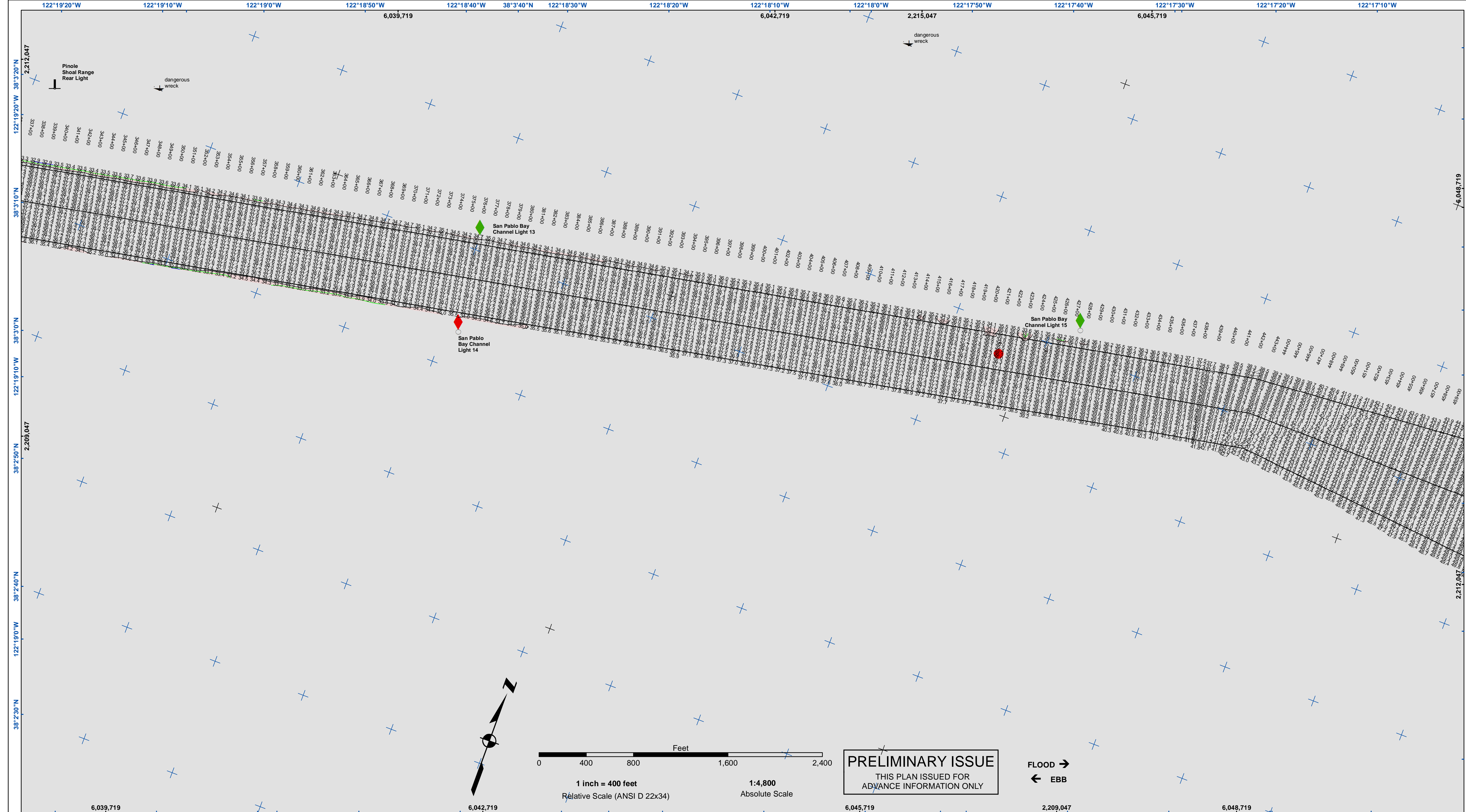


- |                            |                    |                 |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General    | <b>Contours</b> |
| Shoaling Area              | Obstruction Point  | -35             |
| Placement Area  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

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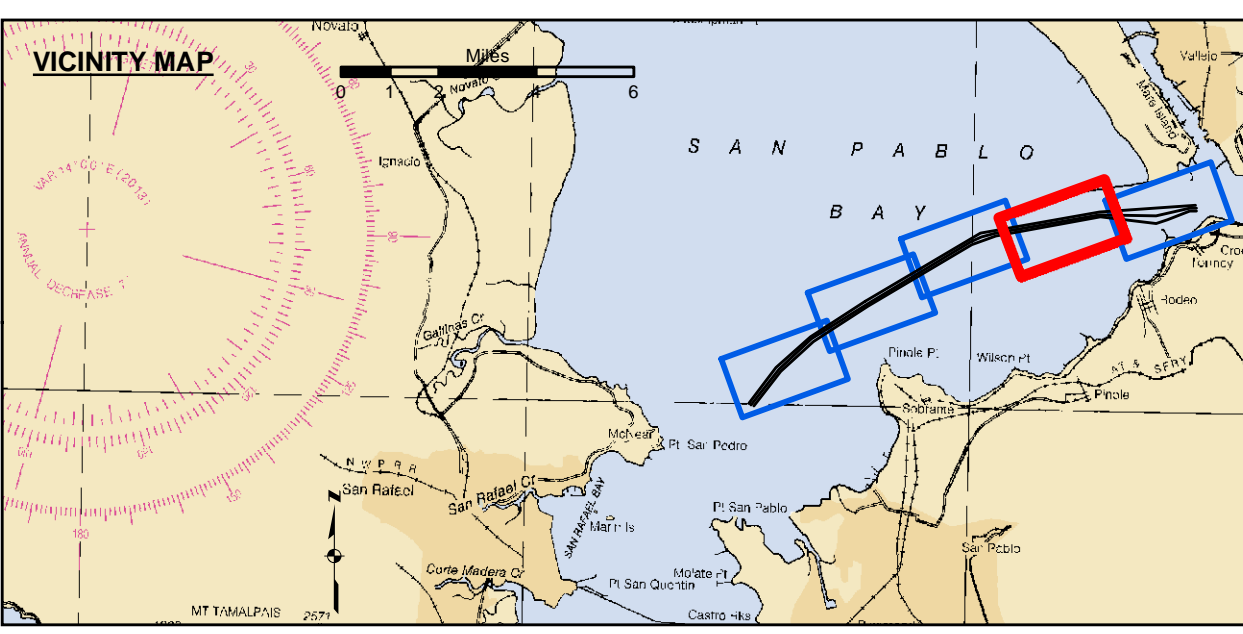


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Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

**CALIFORNIA**  
**PINOLE SHOALS**  
**CONDITION SURVEY**  
 24 JUNE - 07 JULY 2021



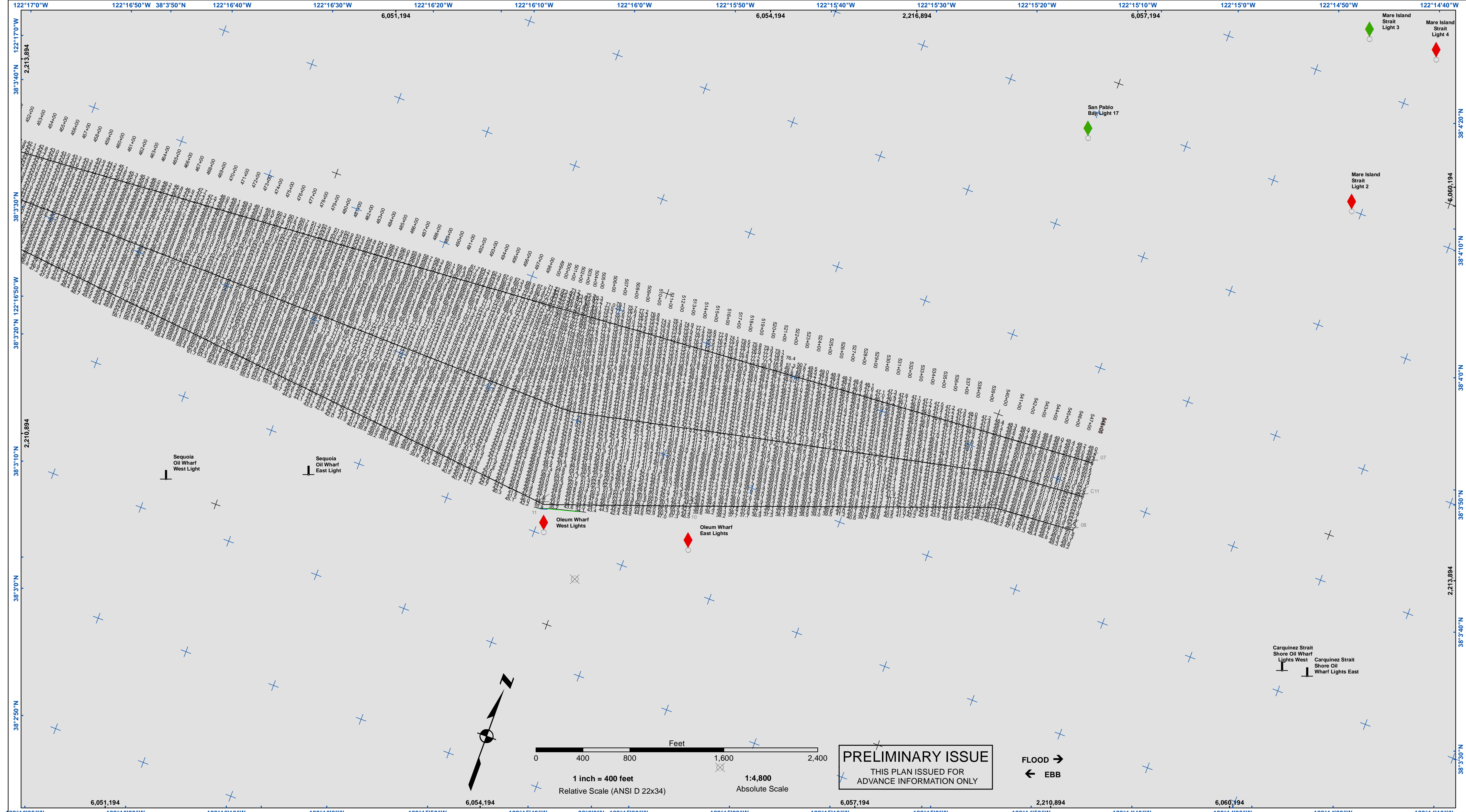
- |                            |                    |                 |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General    | <b>Contours</b> |
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**4 of 5**





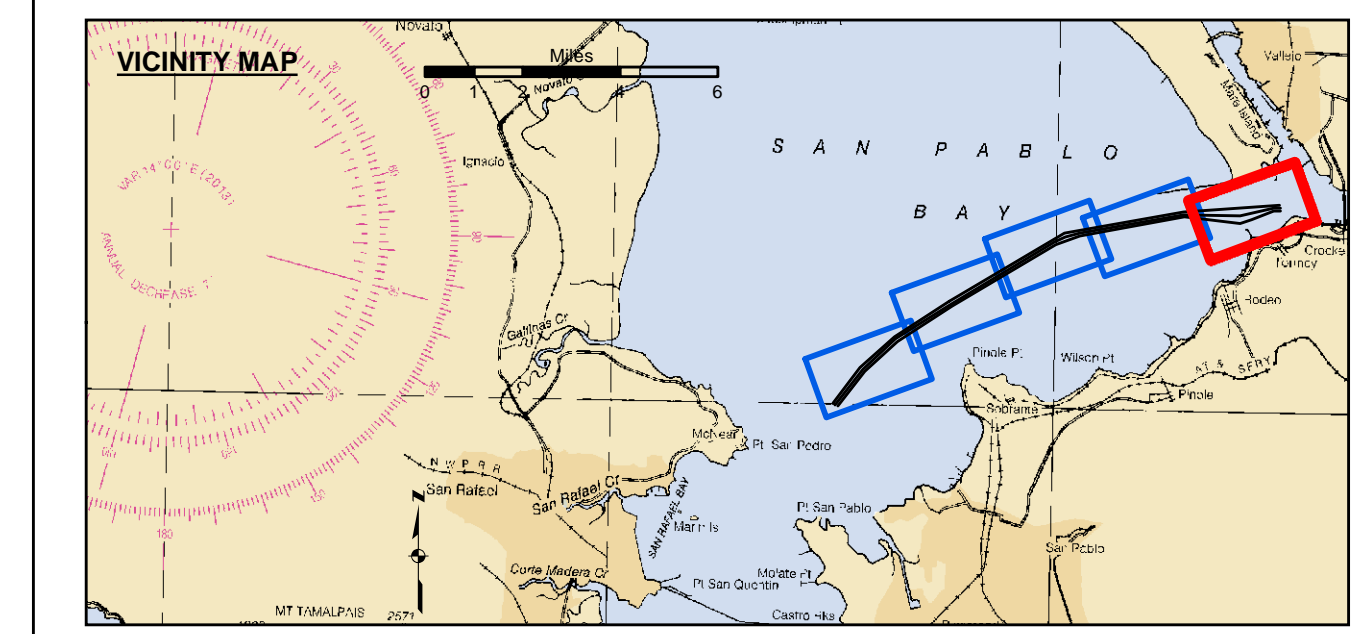
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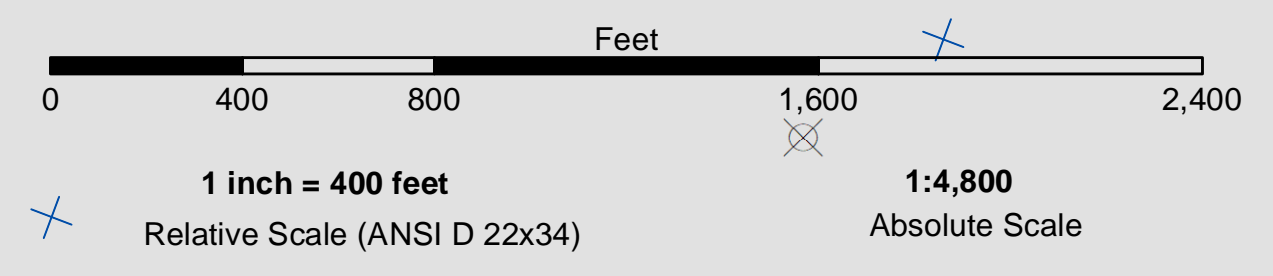
Chart Date:	Jul 15, 2021
Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Approved:	Chief, Construction Branch

**SAN PABLO BAY**  
**PINOLE SHOALS**  
**CONDITION SURVEY**  
 24 JUNE - 07 JULY 2021

**Sheet**  
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**5 of 5**



Federal Navigation Channel	Beacon, General	<b>Contours</b>
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		



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

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