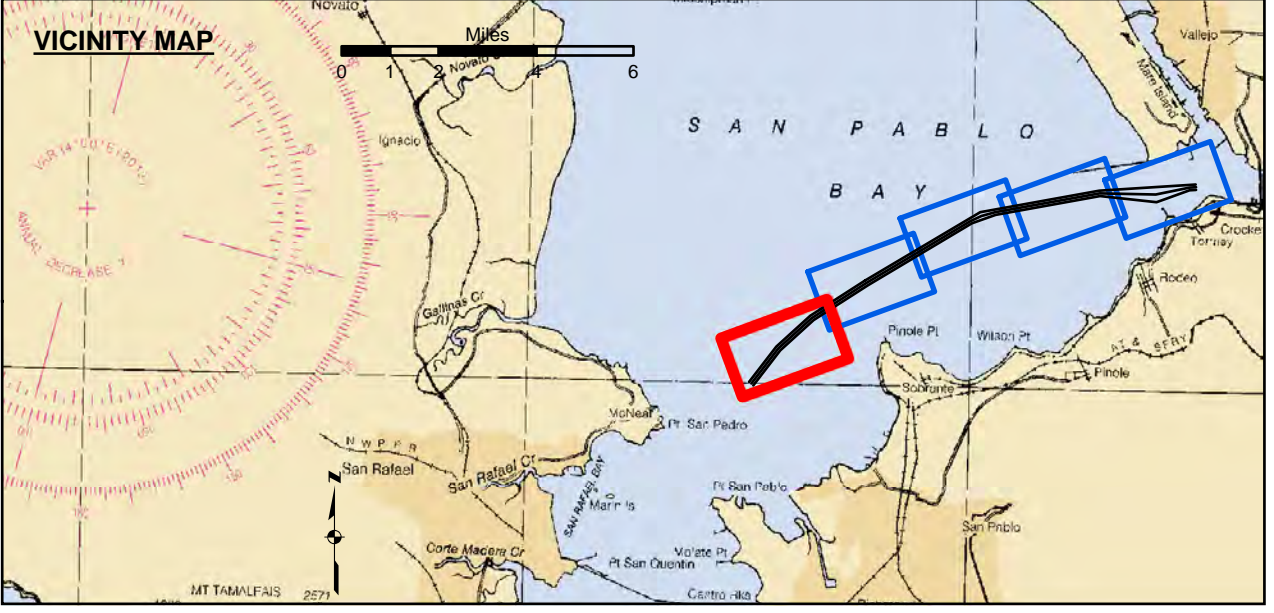


AnglePoint	POINT_X	POINT_Y
01	6009617.00	2192346.00
02	6012570.00	2196164.00
03	6016237.00	2199512.00
04	6022215.00	2203334.00
05	6034692.58	2210783.40
06	6047610.83	2213082.81
07	6058067.95	2213781.27
08	6058127.86	2213182.59
09	6057419.43	2213135.37
10	6055006.55	2212286.87
11	6053815.20	2211848.50
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	6038340.65	2210754.51
C08	6047663.65	2212787.53
C09	6053760.51	2212668.82
C10	6057399.48	2213434.70
C11	6058107.91	2213481.93

- Federal Navigation Channel
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- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding\*
- Countours
- 35
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- 33
- 32
- 31



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 HORIZONTAL GPS CONTROL:  
 COAST GUARD D-BEACON  
 BENCHMARK: "2218 L" (1976) USC&GS DISK, ELEV. 11.00 MLLW, NAVD 88 DATUM  
 TIDE GAUGE LOCATED AT MARE ISLAND PIER 35.

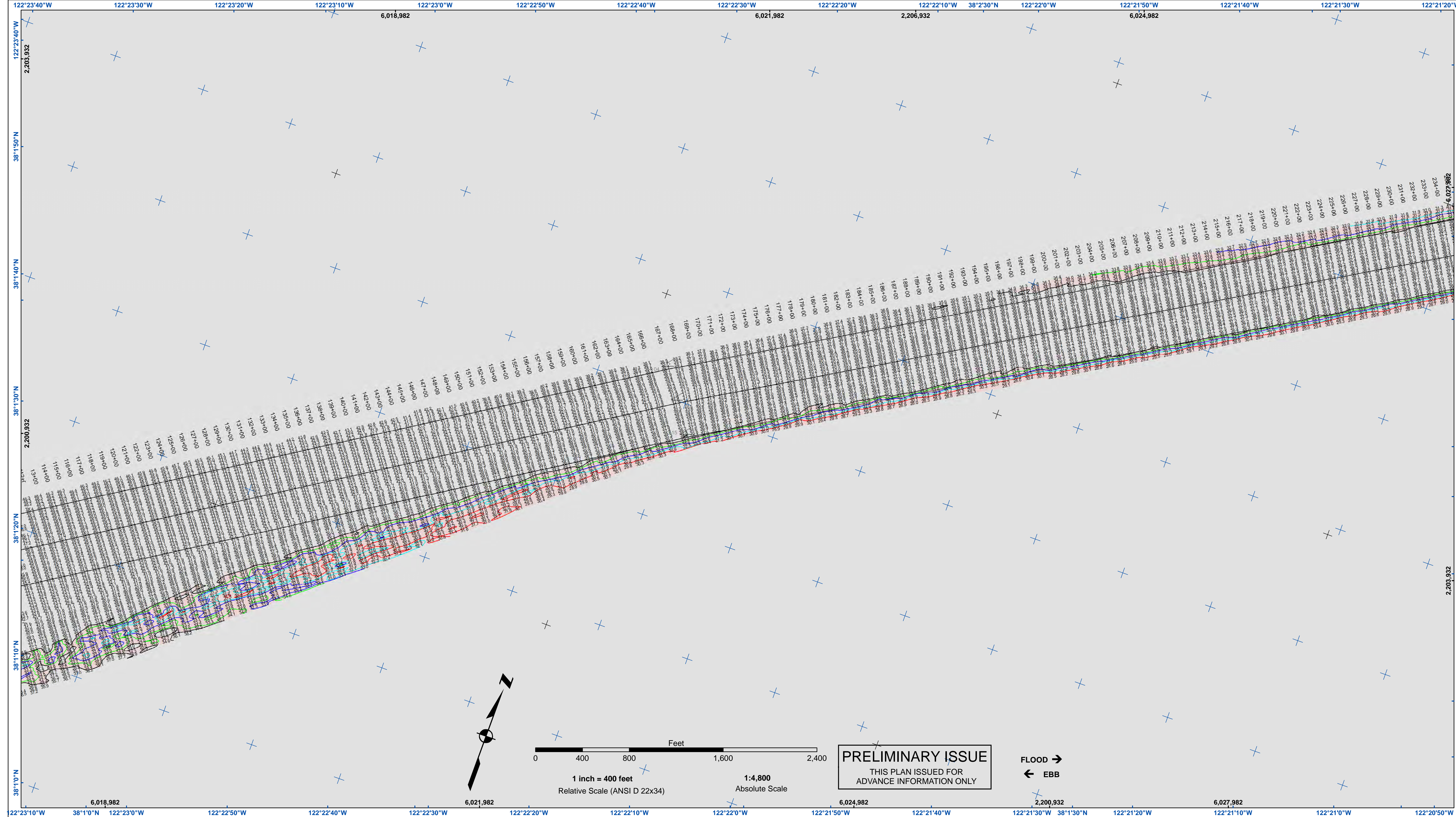
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 San Francisco District  
 1455 Market Street  
 San Francisco, CA 94103

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Prepared Under the Direction of:	Chart Date:
LT COLONEL J. RAYFIELD	Aug 20, 2018
Submittal:	Designed by:
Hydro Survey Team Leader	PDT
Recommended:	Checked by:
Chief, Hydro Survey Section	PDT
Approved:	Drawn by:
Chief, Construction Branch	PDT

CALIFORNIA  
**PINOLE SHOALS**  
 CONDITION SURVEY  
 23-26 JULY 2018

**Sheet Reference Number**  
 1 of 5



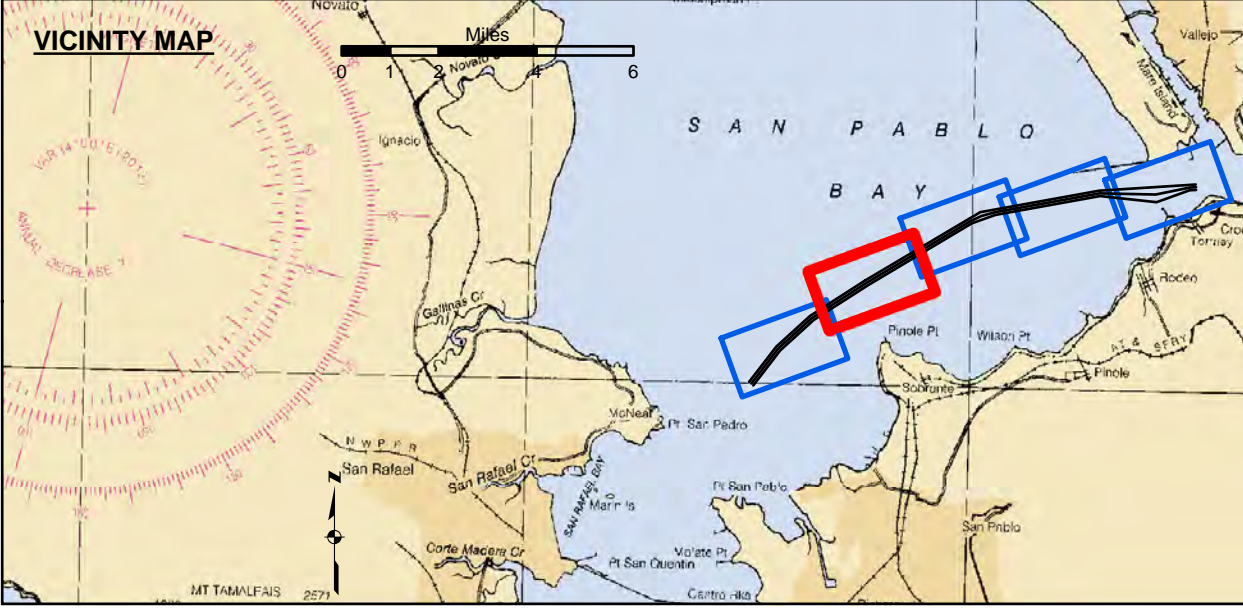
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Prepared Under the Direction of <b>TRAVIS J. RAYFIELD</b> LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Aug 20, 2018
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended by: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief,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

CALIFORNIA  
**PINOLE SHOALS**  
 CONDITION SURVEY  
 23-26 JULY 2018

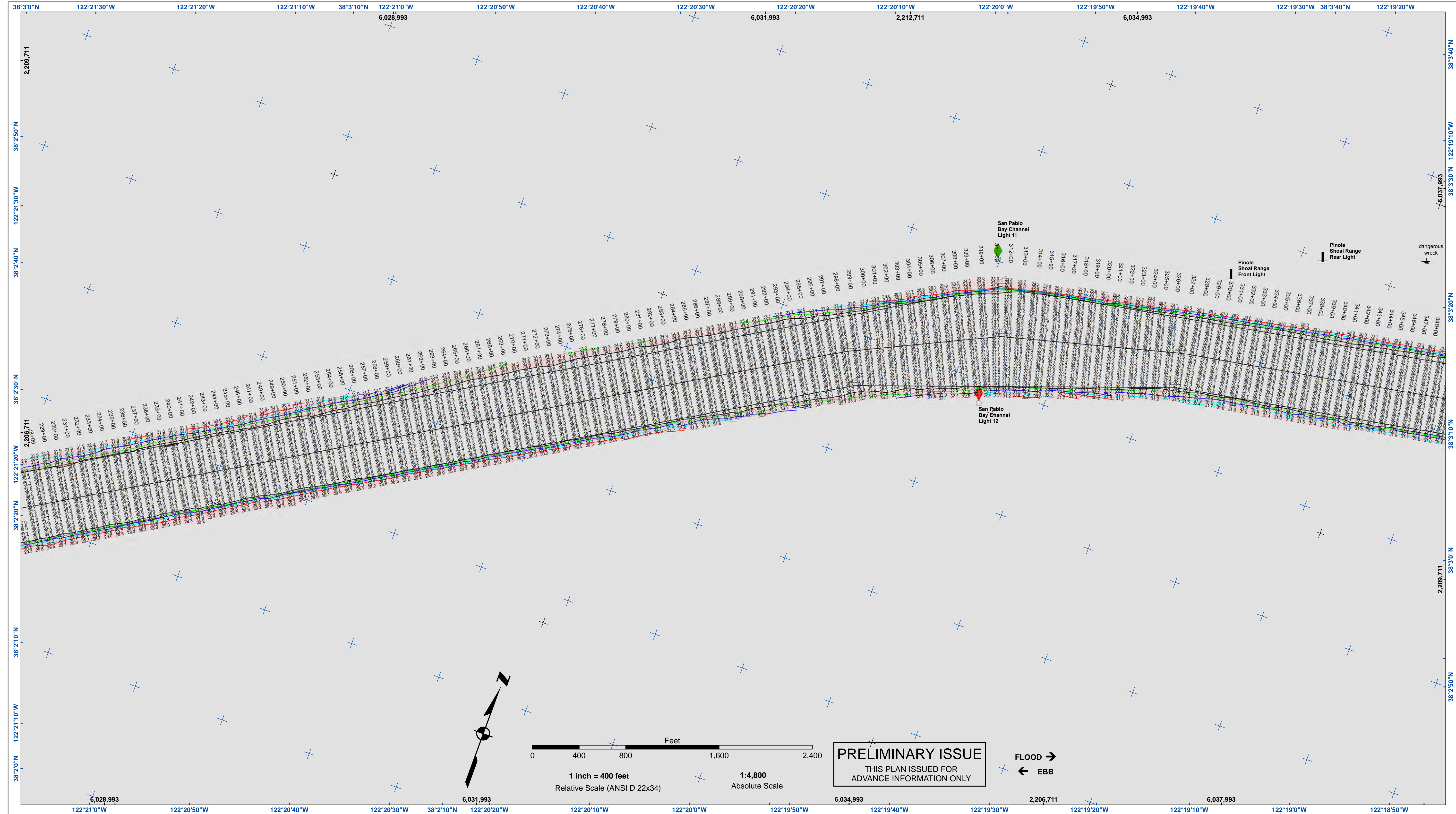
**Sheet Reference Number**  
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- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
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 VERTICAL CONTROL:  
 BENCHMARK "5256 C" (1976) USC&GS DISK, ELEV. 34.75 MLLW, NAVD 88 DATUM  
 TIDE GAUGE LOCATED AT POINT PINOLE PIER.  
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 TIDE GAUGE LOCATED AT MARE ISLAND PIER 35.



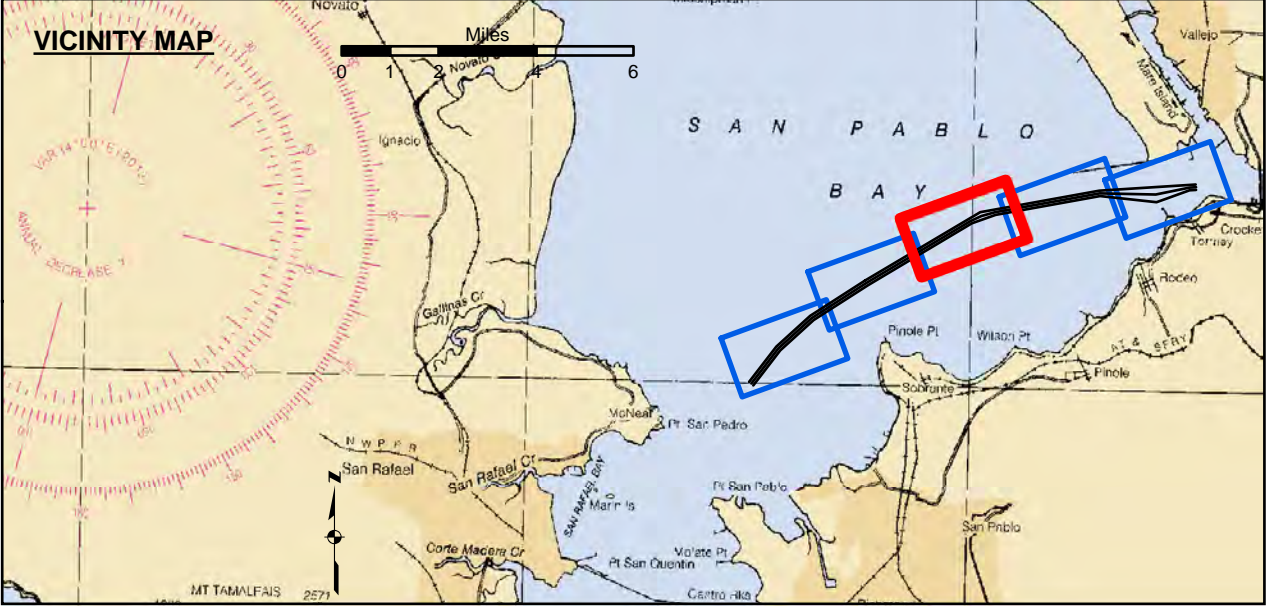
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Chart Date:	Aug 20, 2018
Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA  
**PINOLE SHOALS**  
 CONDITION SURVEY  
 23-26 JULY 2018

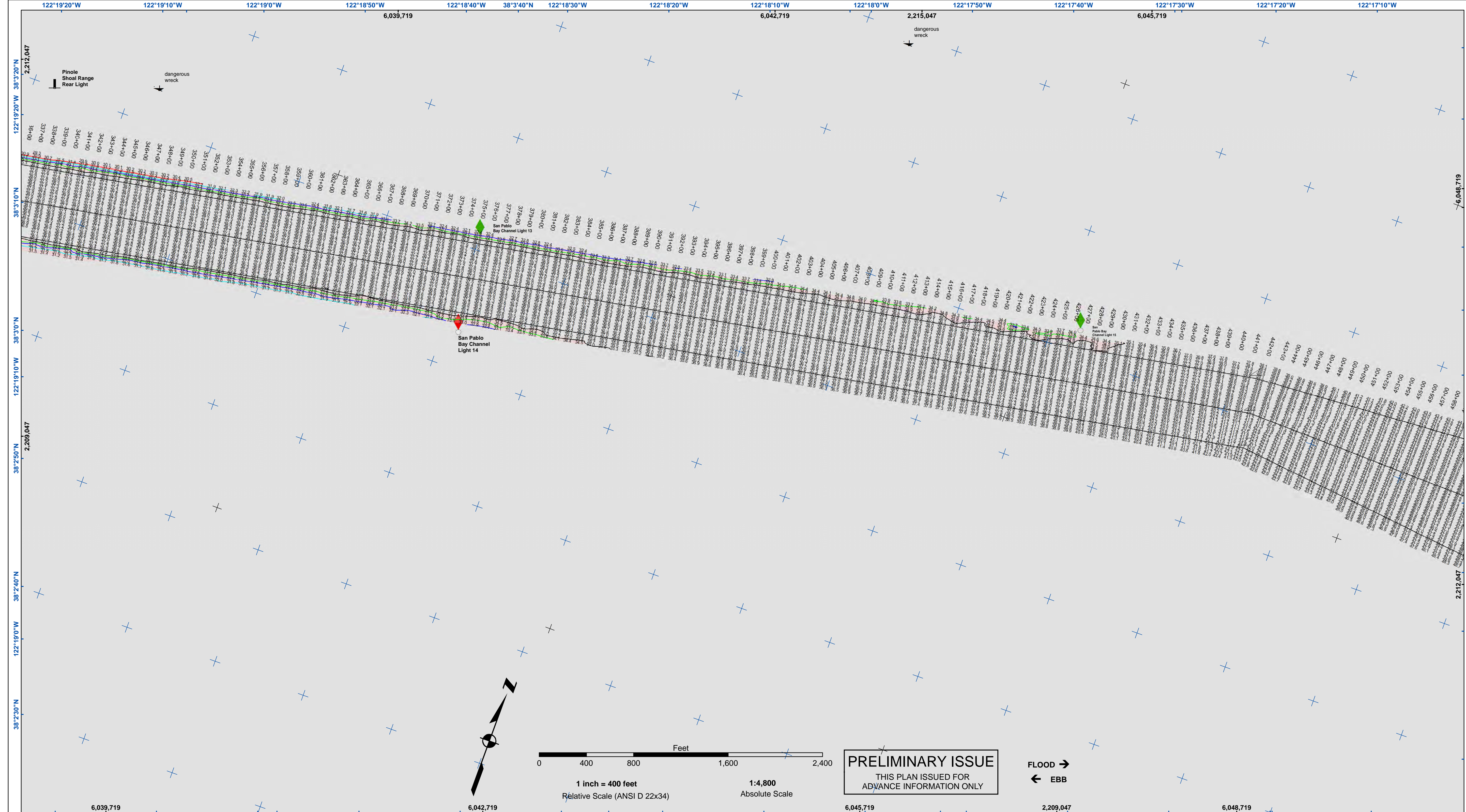
**Sheet Reference Number**  
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- Federal Navigation Channel
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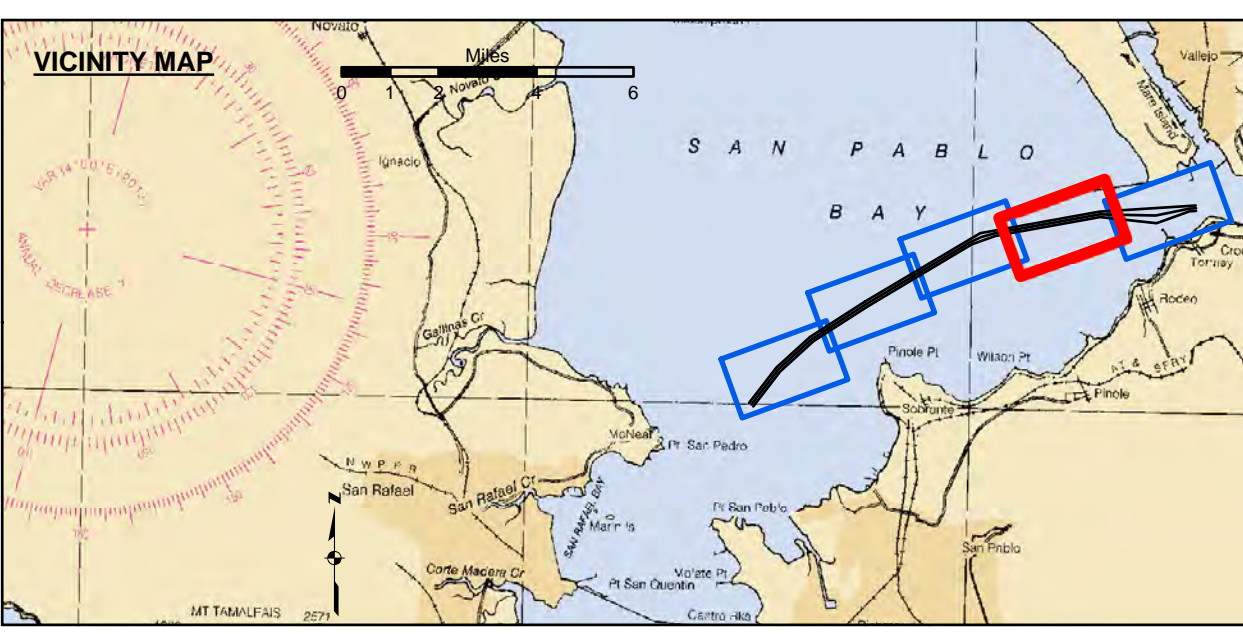
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Prepared Under the Direction of <b>LT. COLONEL J. RAYFIELD</b>	Chart Date: Aug 20, 2018
Submitted by: Hydro Survey Team Leader	Designed by: PDT
Recommended by: Chief, Hydro Survey Section	Checked by: PDT
Approved by: Chief, Construction Branch	Drawn by: PDT

CALIFORNIA  
**PINOLE SHOALS**  
 CONDITION SURVEY  
 23-26 JULY 2018

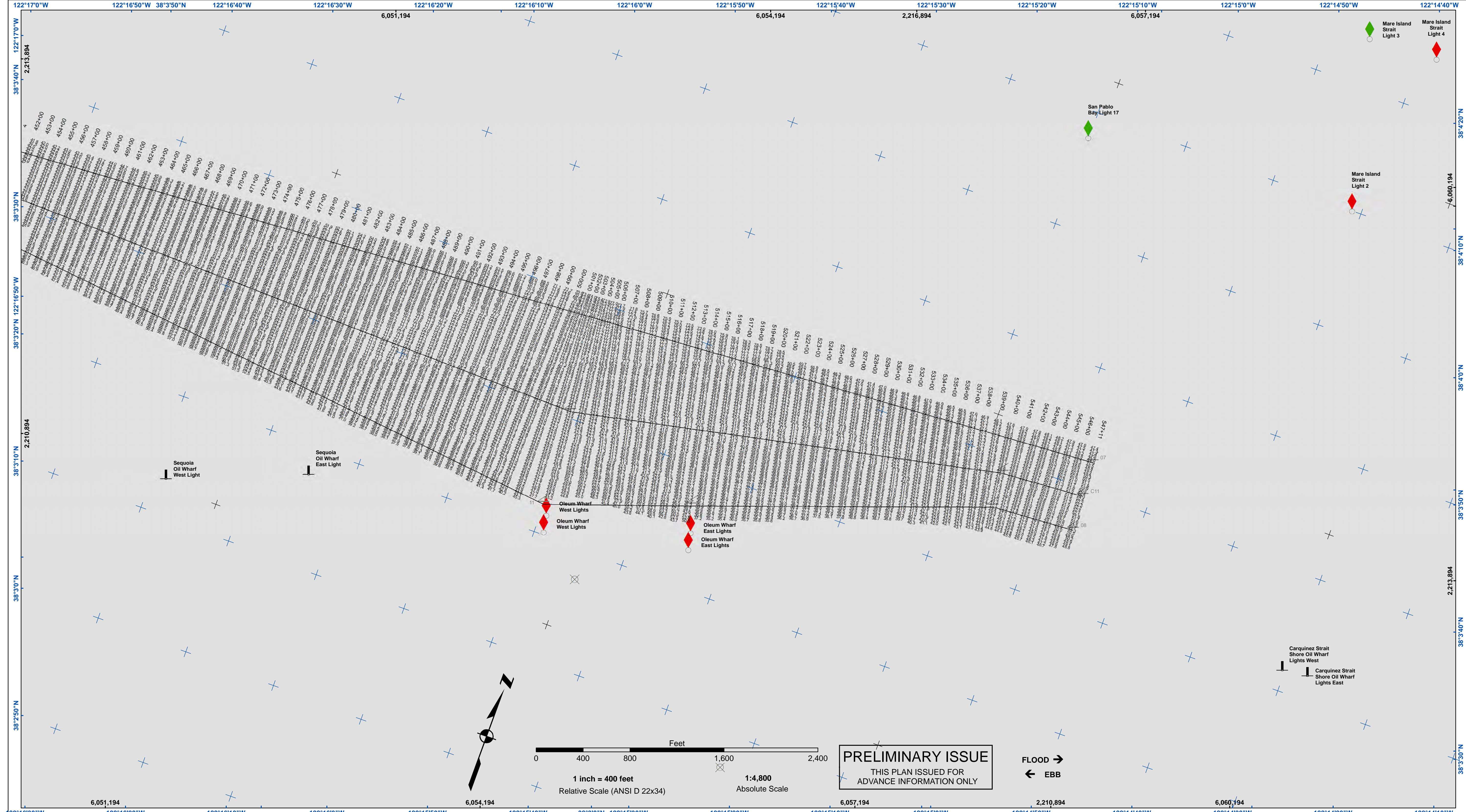
**Sheet Reference Number**  
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- |                            |                    |                 |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General    | <b>Contours</b> |
| Shoaling 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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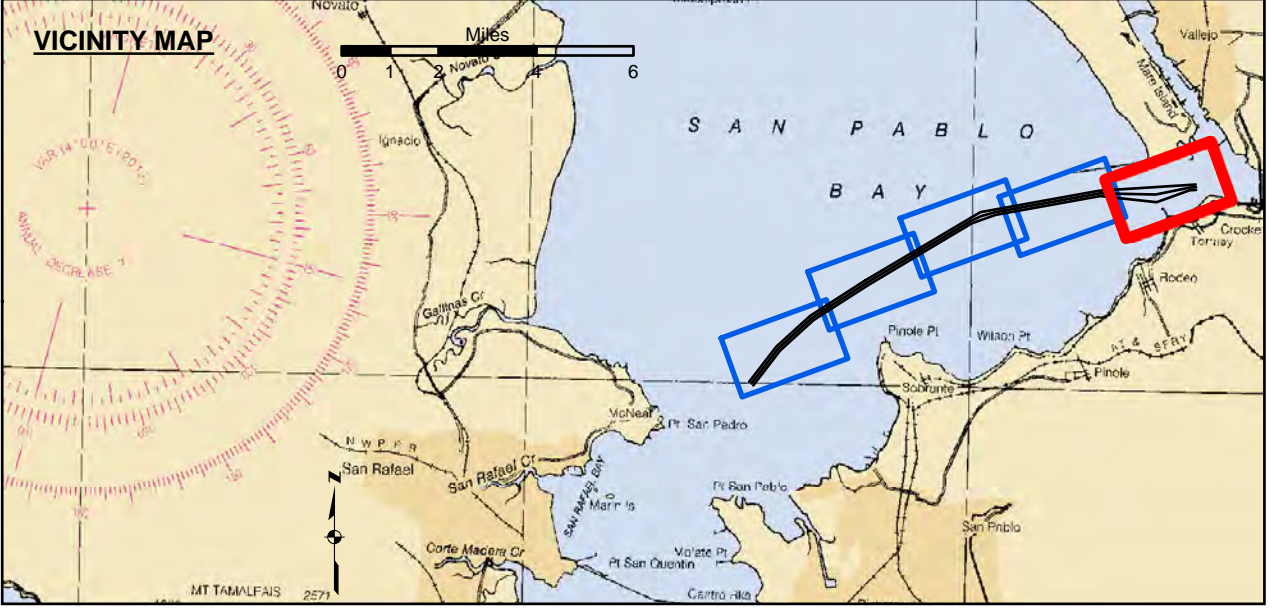
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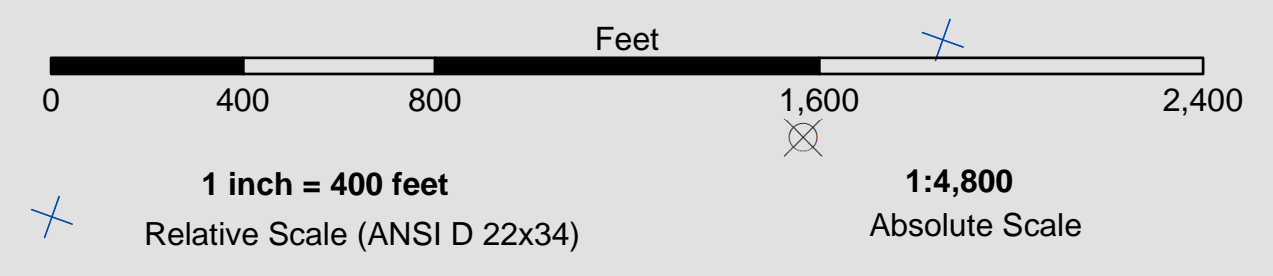
Prepared Under the Direction of <b>TRAVIS J. RAYFIELD</b> LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Aug 20, 2018
Subproject: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

CALIFORNIA  
**PINOLE SHOALS**  
 CONDITION SURVEY  
 23-26 JULY 2018  
 SAN PABLO BAY

**Sheet Reference Number**  
 5 of 5



- Federal Navigation Channel
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**PRELIMINARY ISSUE**  
 THIS PLAN ISSUED FOR  
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