

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	2213082.81
07	6058067.95	2213781.27
08	6058127.86	2213182.59
09	6057419.43	2213135.37
10	6055006.55	2212268.87
11	6053815.20	2211848.50
12	6047716.66	2212492.26
13	6038383.66	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

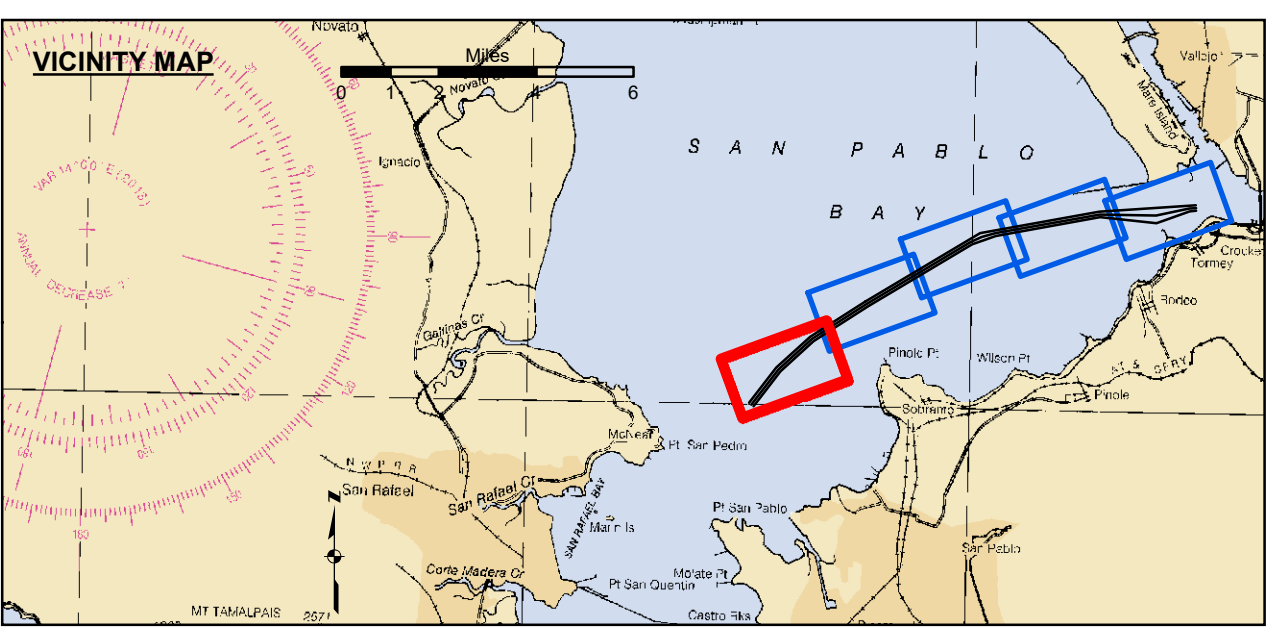
U.S. Army Corps of Engineers
 San Francisco District
 450 Golden Gate Ave.
 San Francisco, CA 94102

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Prepared Under the Direction of JOHN D. CUNNINGHAM LT COLONEL, C.E., DISTRICT ENGINEER	Surveyed By:	Chart Date:
Submitted: Hydro Survey Team Leader	Plotted By: PDT	Oct 23, 2020
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Designed by:
Approved: Chief, Construction Branch	Drawn by: PDT	

CALIFORNIA
PINOLE SHOALS
 CONDITION SURVEY
 10-16 SEPTEMBER 2020

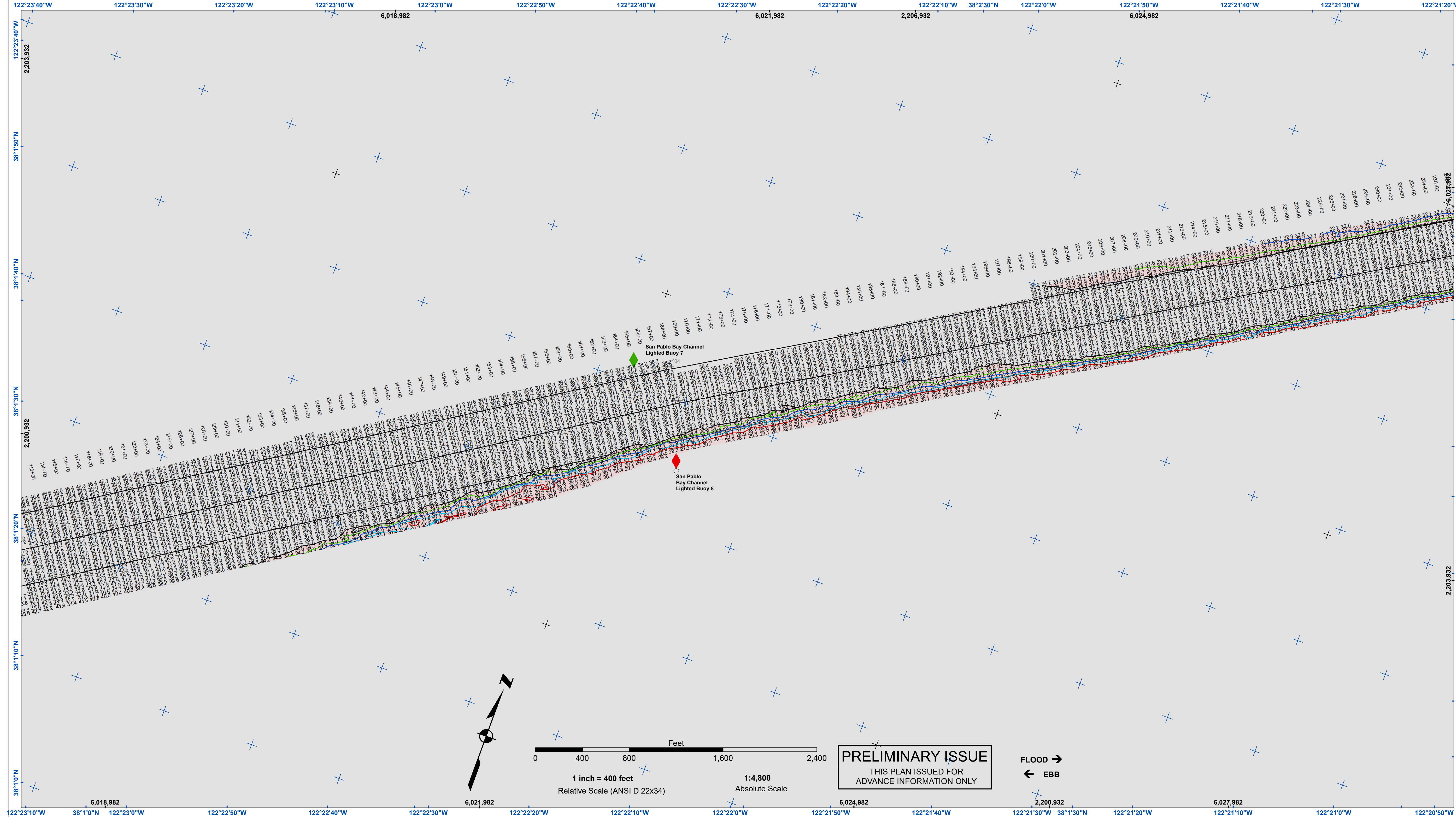
Sheet
Reference
Number
1 of 5



- 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*
- Countours
- 35
- 34
- 33
- 32
- 31

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 TIDAL DATUM CONTROL STATION(S):
 - 9415056 PINOLE POINT - JUNE 2014
 - 9415218 MARE ISLAND - AUG 2013

HORIZONTAL CONTROL DATUM:
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 CONTROL:
 POINT PINOLE 4 RESET | PID: JT2895 | BM 5056 A | PID: BBCN55
 OPUS 3/19/2020 | 9415056
 5218 L 1976 | 5218 R 2006 | PID: BBCN57
 PID: BBC281 | OPUS 10/31/2011 | 9415218
 OPUS 8/11/2010 | 9415218
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 - RESON 150-R SINGLE-HEAD MULTIBEAM ECHOSOUNDER
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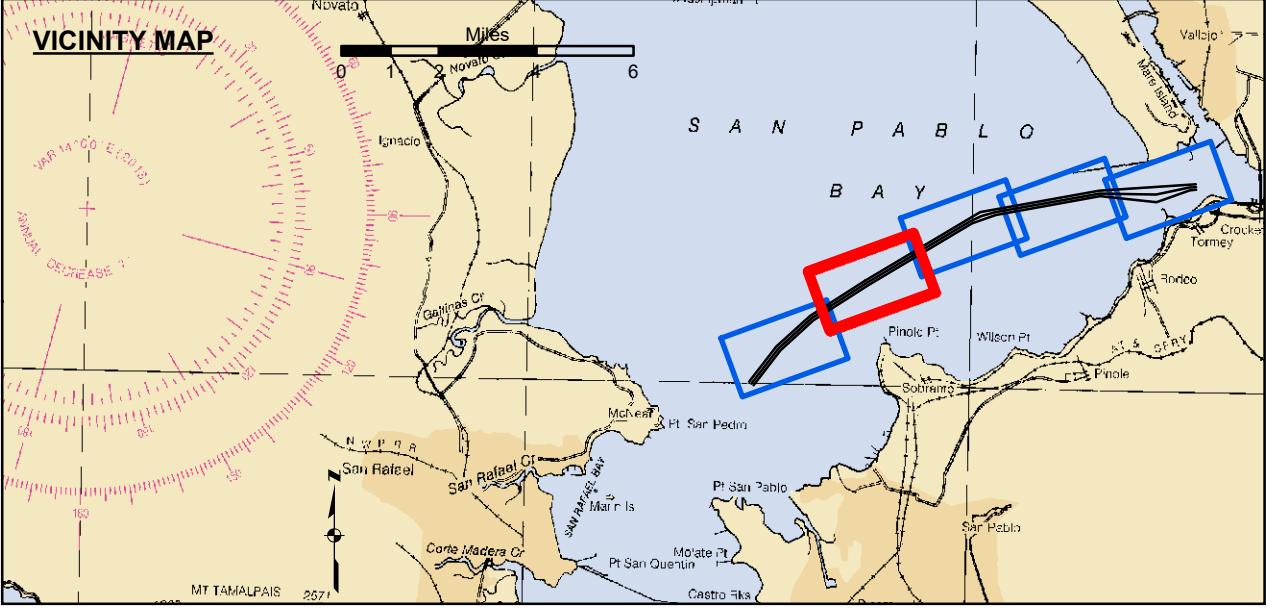
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Prepared Under the Direction of JOHN D. CUNNINGHAM LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Oct 23, 2020
Submitted by: Hydro Survey Team Leader	Designed by: PDT
Recommended by: Chief, Hydro Survey Section	Checked by: PDT
Approved by: Chief, Construction Branch	Drawn by: PDT

CALIFORNIA
PINOLE SHOALS
 CONDITION SURVEY
 10-16 SEPTEMBER 2020

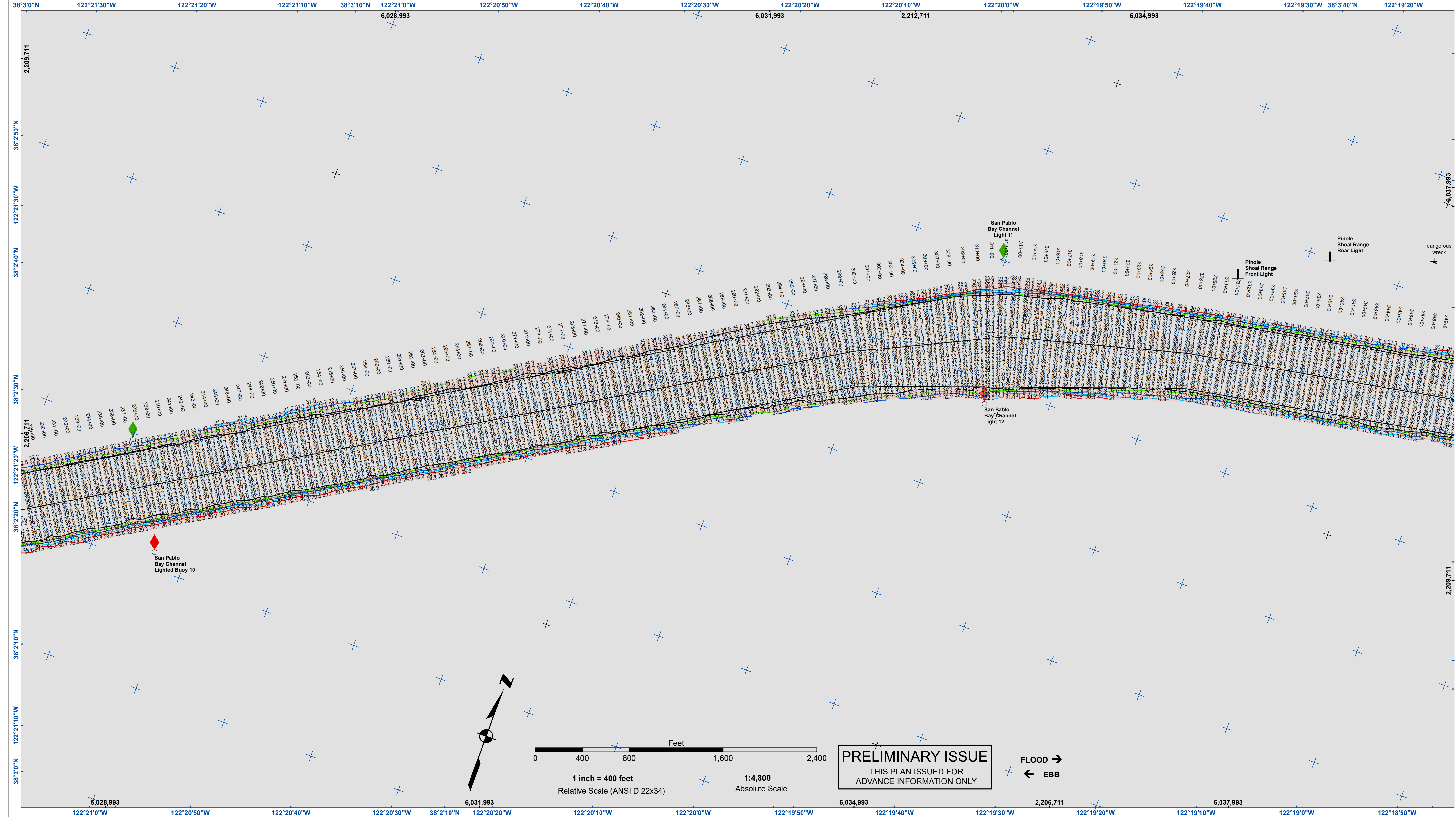
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- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
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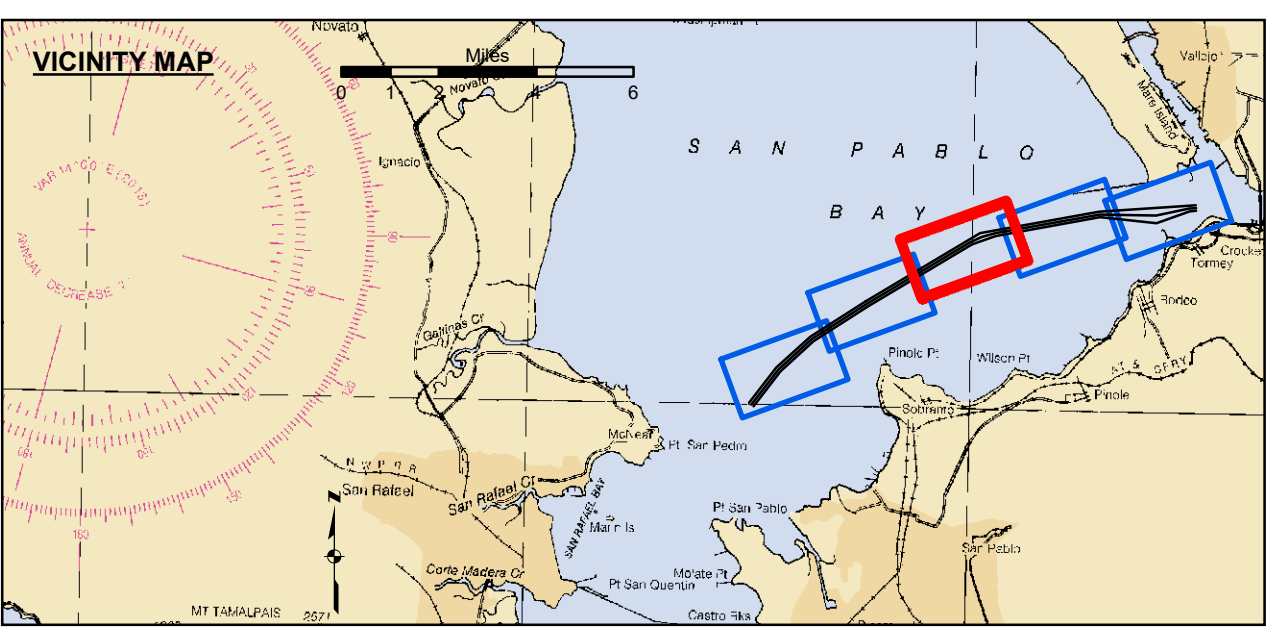
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CALIFORNIA
PINOLE SHOALS
 CONDITION SURVEY
 10-16 SEPTEMBER 2020

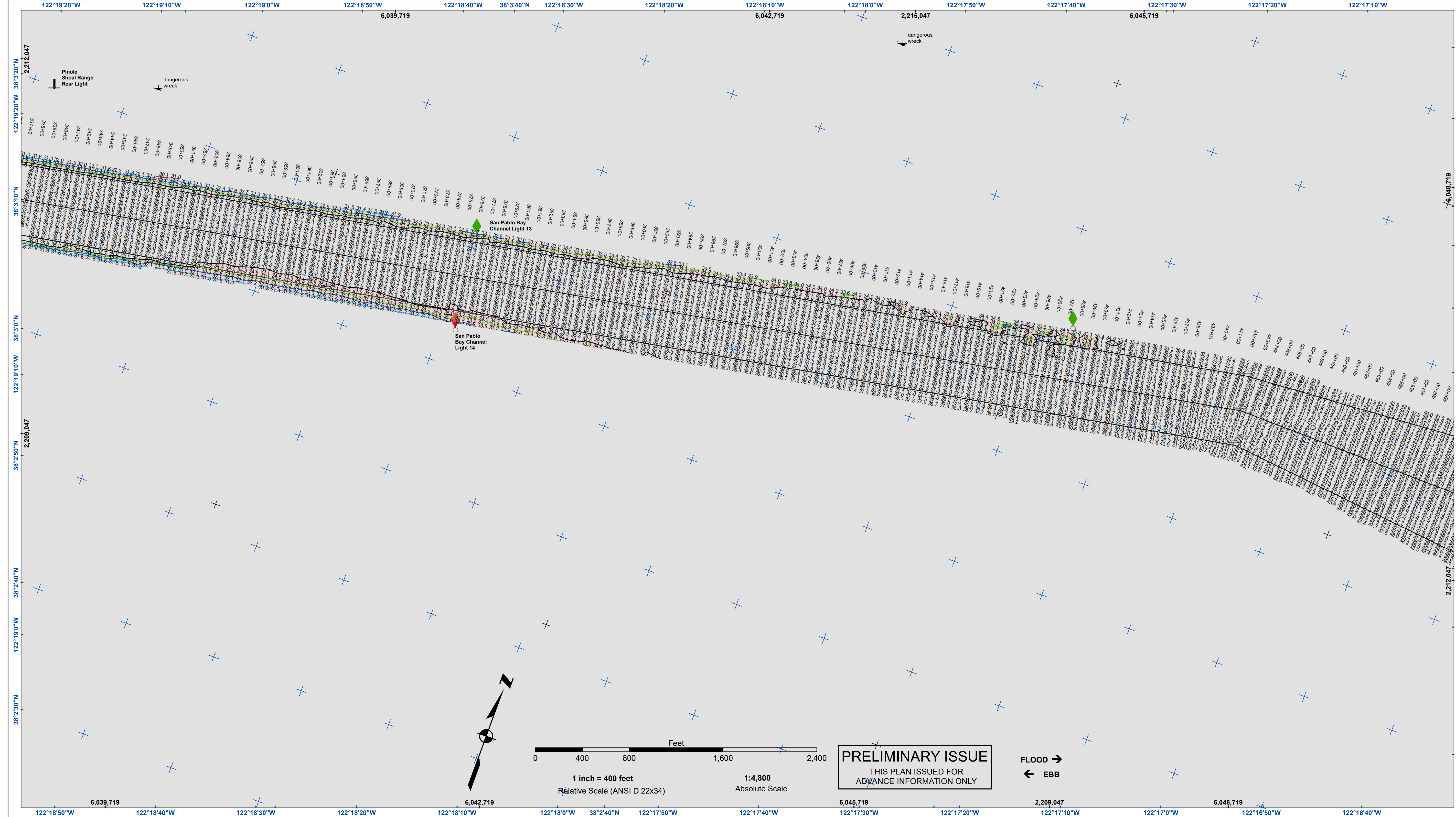
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- | | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
| Shoaling Area | Obstruction Point | -35 |
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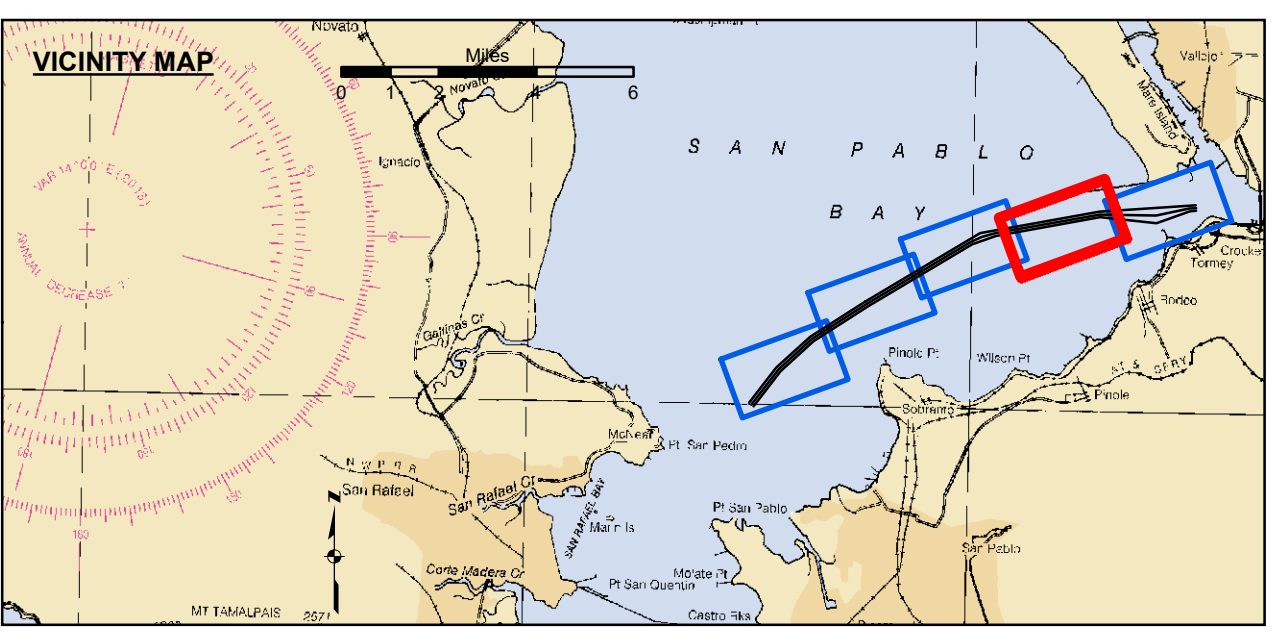
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Submitted: Hydro Survey Team Leader	Plotted By: PDT	Oct 23, 2020
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Designed by:
Approved: Chief, Construction Branch	Drawn by: PDT	

CALIFORNIA
SAN PABLO BAY
PINOLE SHOALS
CONDITION SURVEY
10-16 SEPTEMBER 2020

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Number
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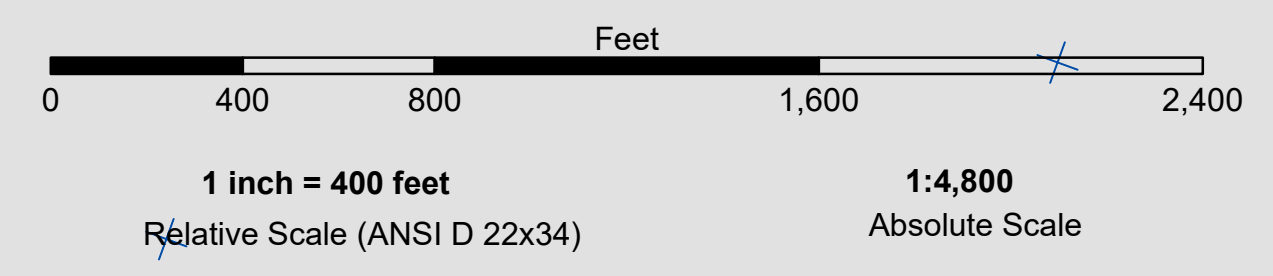


Federal Navigation Channel	Beacon, General	Contours
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Placement Area	Navigation Buoy	-34
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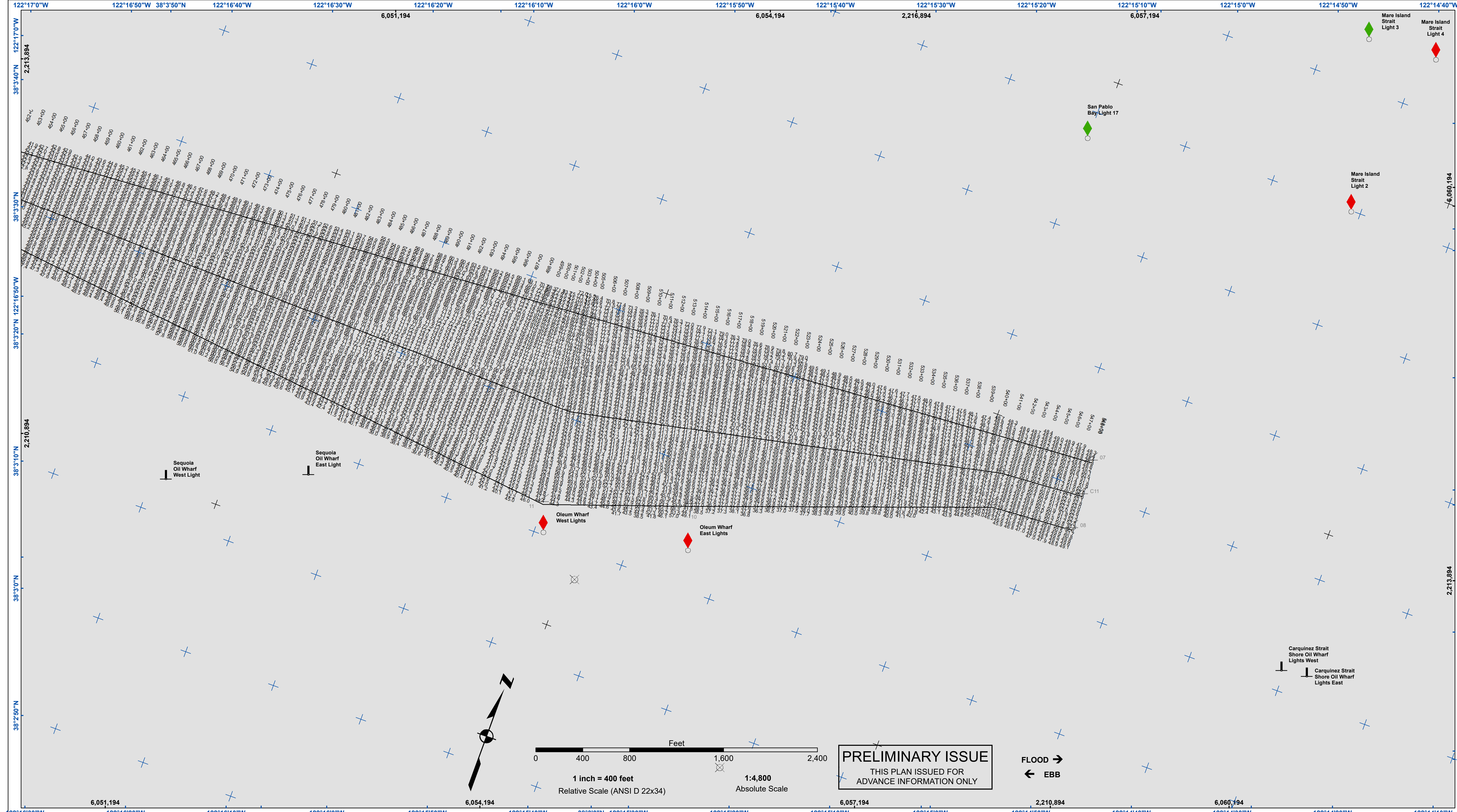
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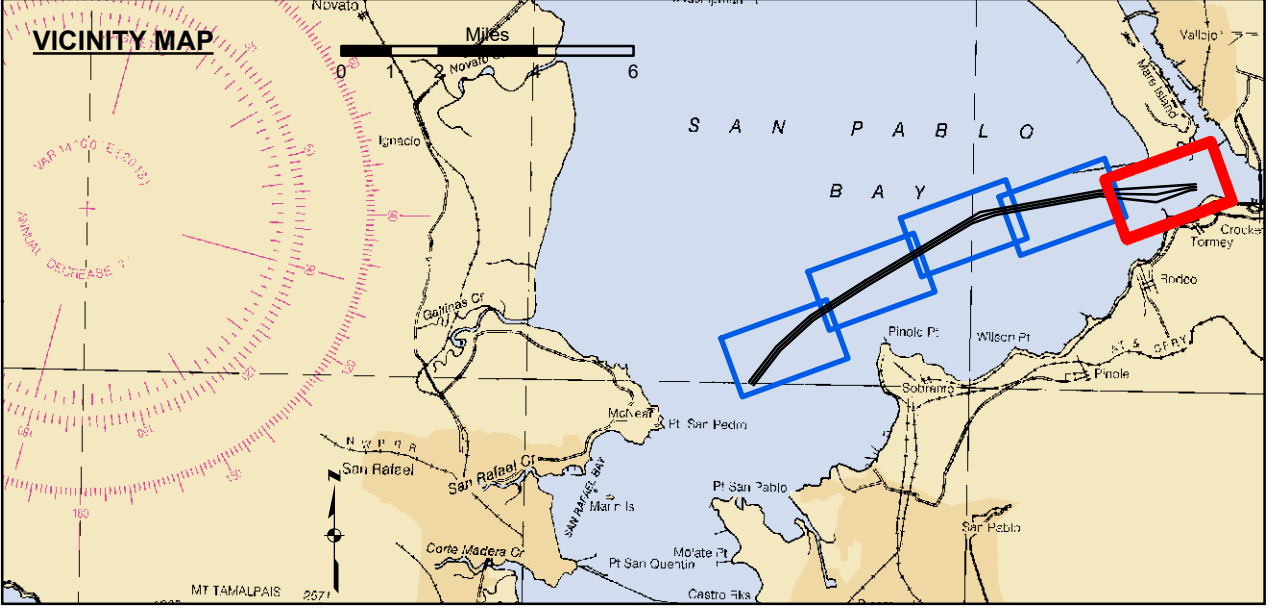
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Prepared Under the Direction of LT COLONEL C.E. CUNNINGHAM	Surveyed By:	Chart Date:
Submitted: Hydro Survey Team Leader	Plotted By: PDT	Oct 23, 2020
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Designed by: PDT
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CALIFORNIA
PINOLE SHOALS
 CONDITION SURVEY
 10-16 SEPTEMBER 2020

Sheet
Reference
Number
5 of 5



- | | | |
|----------------------------|--------------------|-----------|
| Federal Navigation Channel | Beacon, General | Countours |
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