

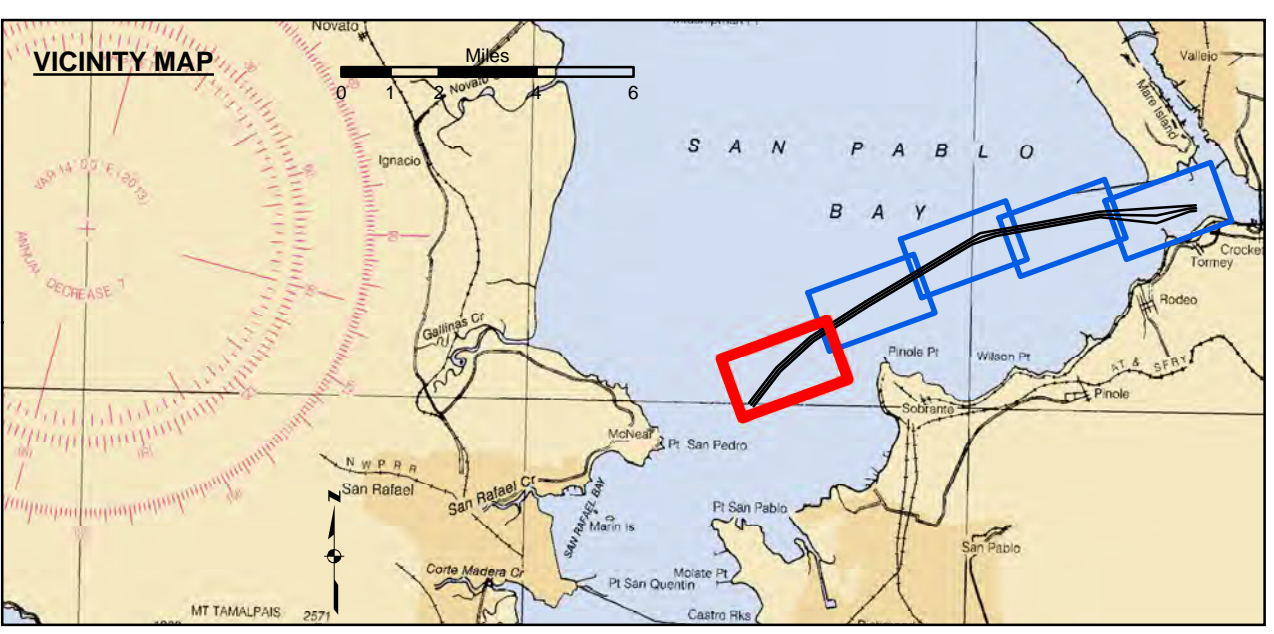
US Army Corps of Engineers
 San Francisco District
 1455 Market Street
 San Francisco, CA 94103

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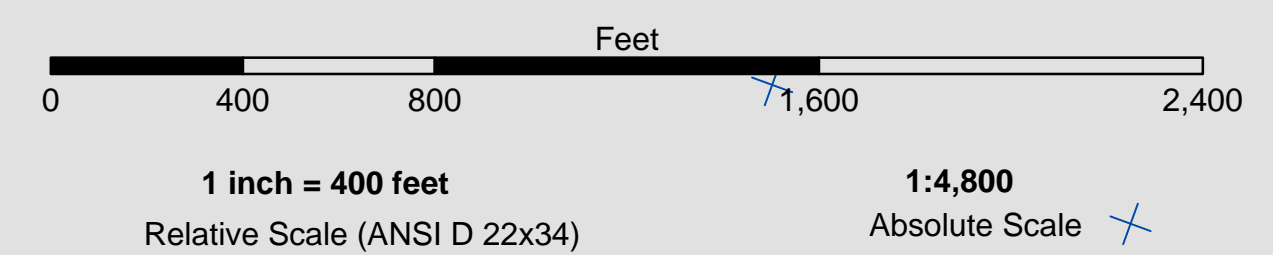
Chart Date:	Aug 22, 2017
Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA
PINOLE SHOALS
 CONDITION SURVEY
 15 AUGUST 2017
 SAN PABLO BAY

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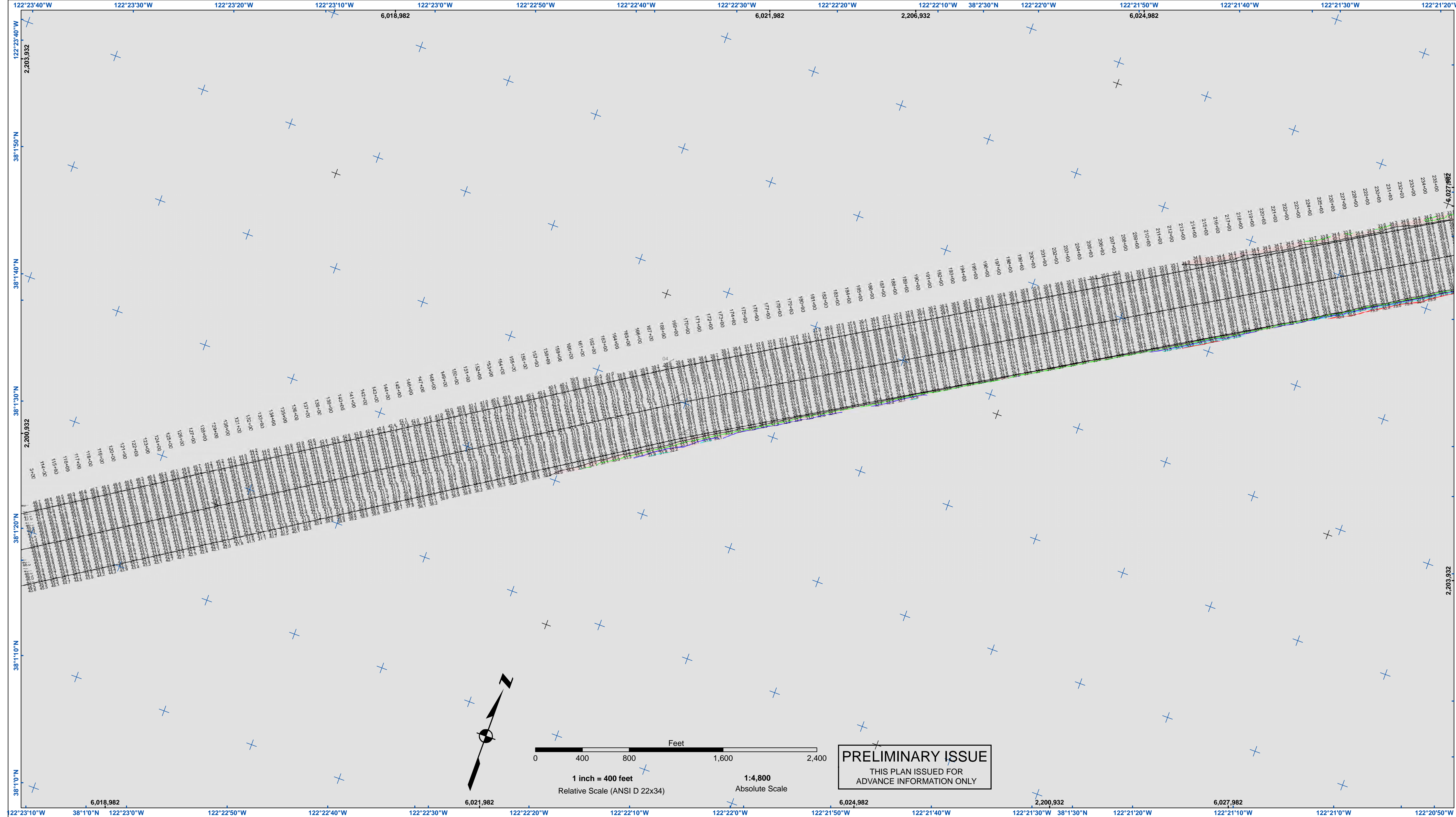
Federal Navigation Channel	Beacon, General	Contours
Shoaling Area	Obstruction Point	-35
Placement Area	Navigation Buoy	-34
Anchorage Area	Navigation Buoy	-33
Wreck Area	Shoalest Sounding*	-32
Submerged Wreck		-31
Angle Point		



PRELIMINARY ISSUE
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NOTES:
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 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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 HORIZONTAL GPS CONTROL:
 COAST GUARD D-BEACON
 VERTICAL CONTROL:
 BENCHMARK: 5256 C (1976) USC&GS DISK, ELEV. 34.75 MLLW, NAVD 88 DATUM
 TIDE GAUGE LOCATED AT POINT PINOLE PIER.
 BENCHMARK: 5218 L (1976) USC&GS DISK, ELEV. 11.00 MLLW, NAVD 88 DATUM
 TIDE GAUGE LOCATED AT MARE ISLAND PIER 35.

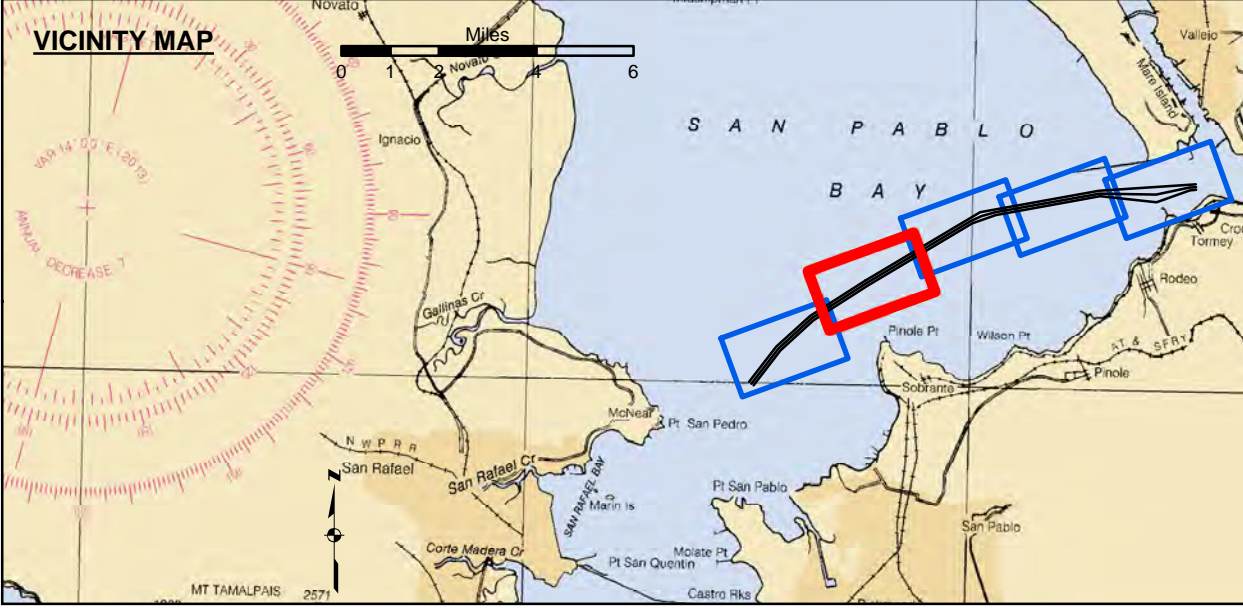


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Chart Date:	Aug 22, 2017
Surveyed By:	Travis J. Rayfield
Plotted By:	PDT
Checked By:	PDT
Drawn by:	PDT

CALIFORNIA
PINOLE SHOALS
 CONDITION SURVEY
 15 AUGUST 2017
 SAN PABLO BAY

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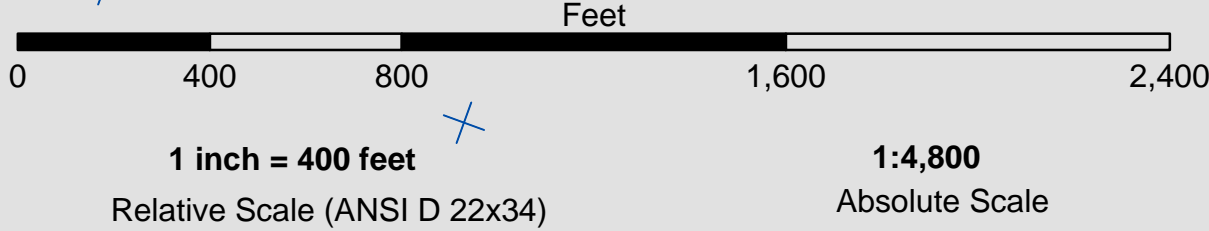


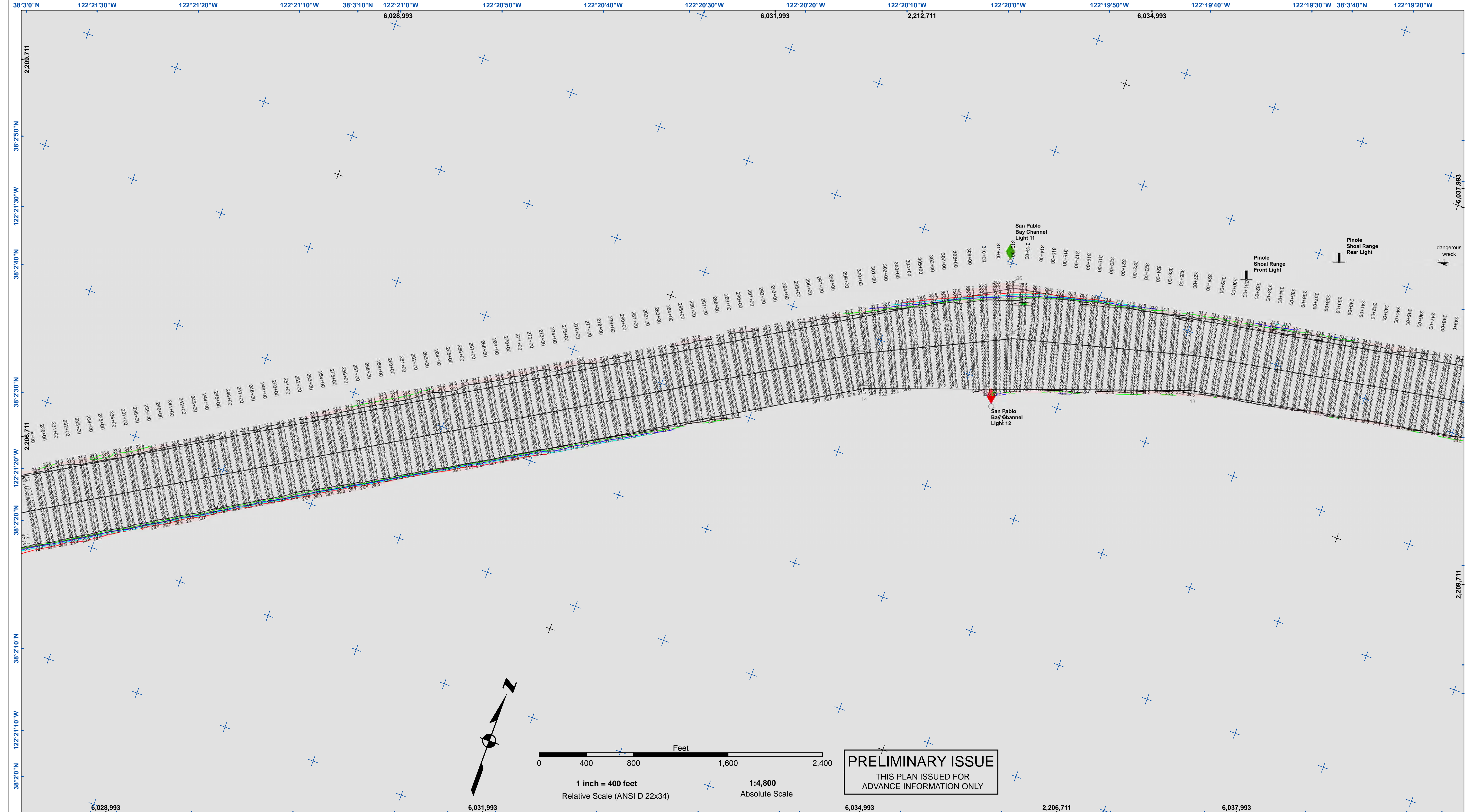
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Shoaling Area	Obstruction Point	-35
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Submerged Wreck		
Angle Point		

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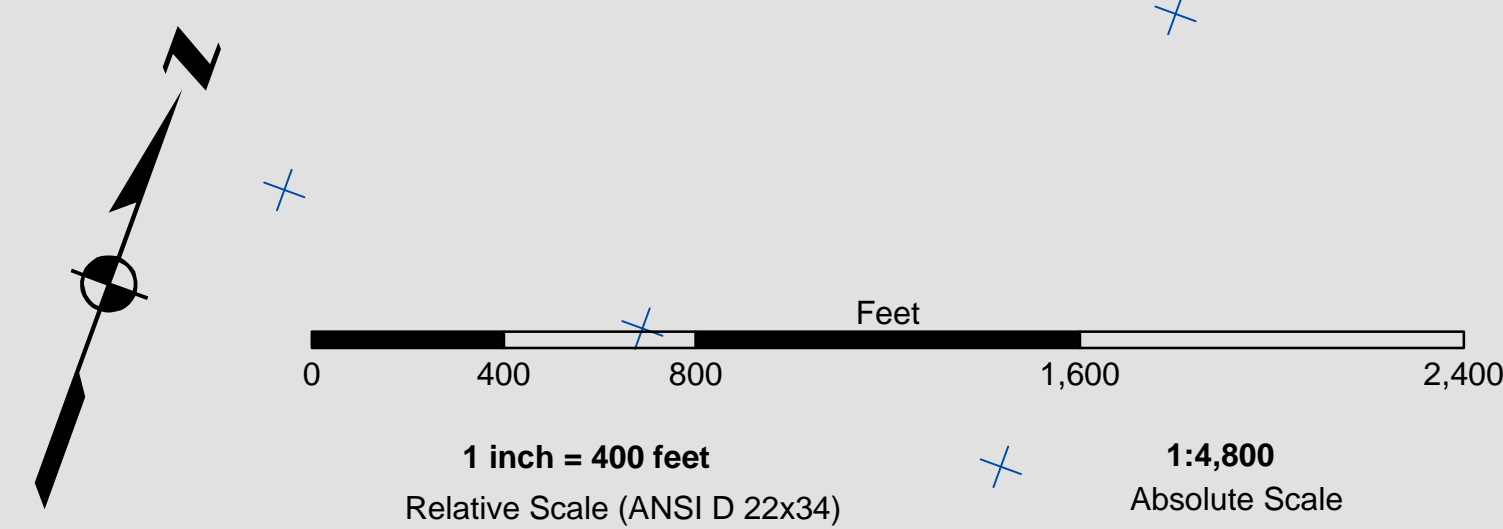
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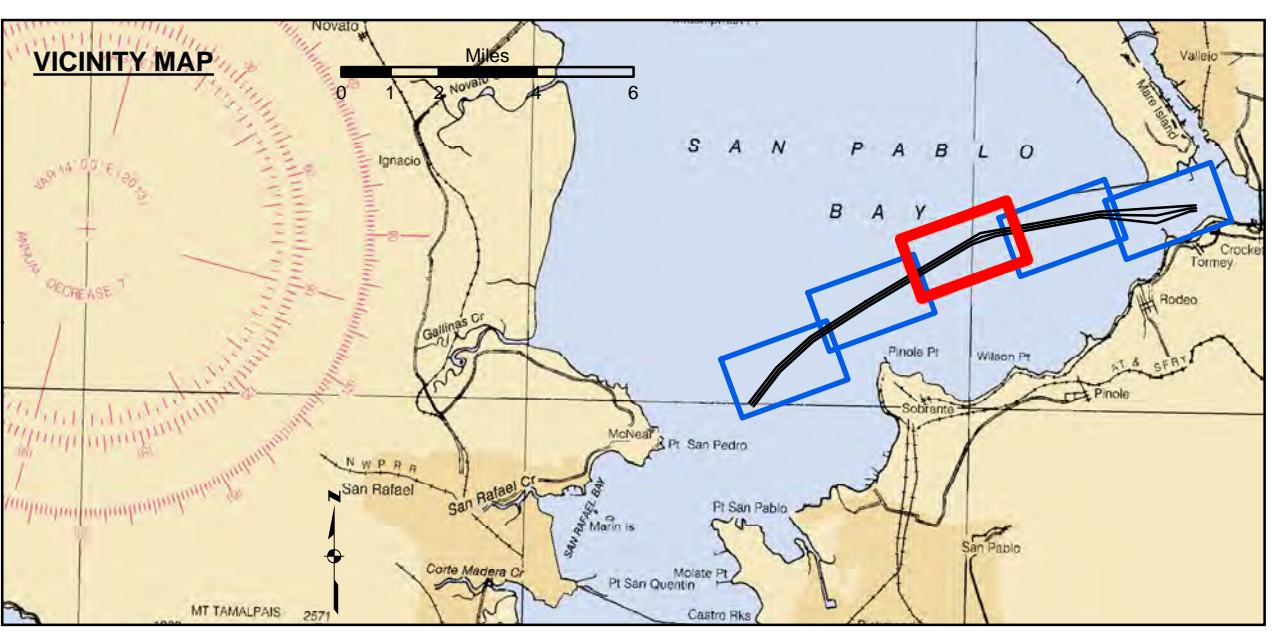
Chart Date:	Aug 22, 2017
Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Approved:	Chief, Construction Branch
Surveyed By:	LT. COLONEL J. RAYFIELD
Plotted By:	Hydro Survey Team Leader
Recommended:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch

CALIFORNIA
PINOLE SHOALS
 CONDITION SURVEY
 15 AUGUST 2017

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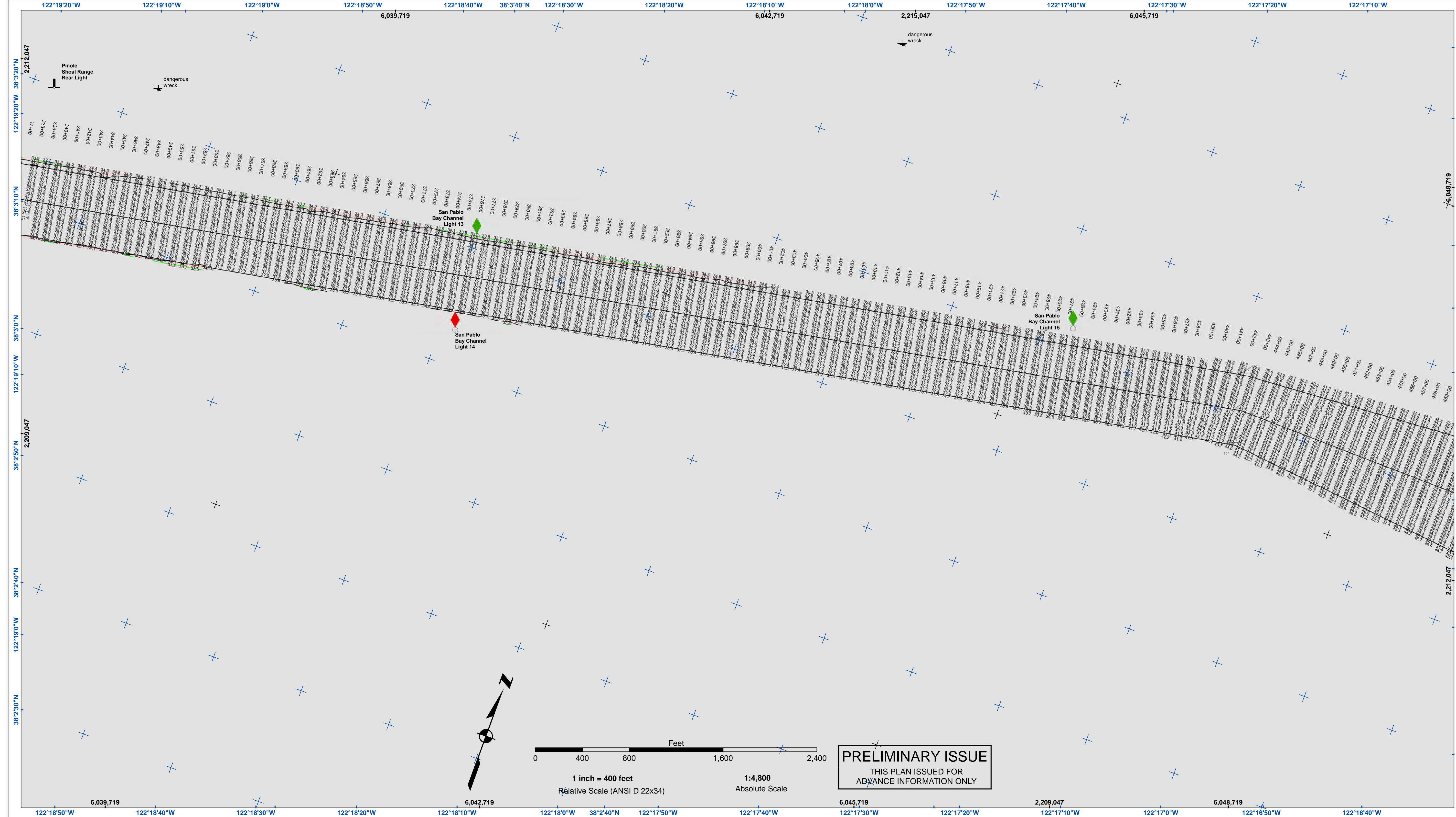
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- | | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
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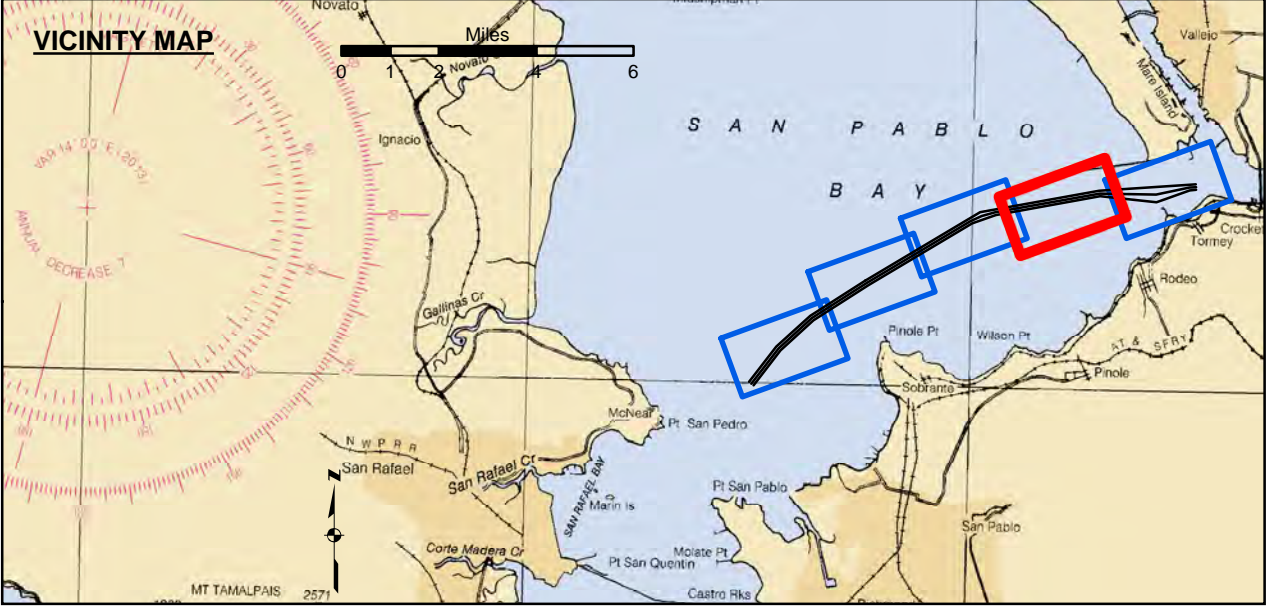
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Prepared Under the Direction of TRAVIS J. RAYFIELD LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Aug 22, 2017
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	

CALIFORNIA
PINOLE SHOALS
 CONDITION SURVEY
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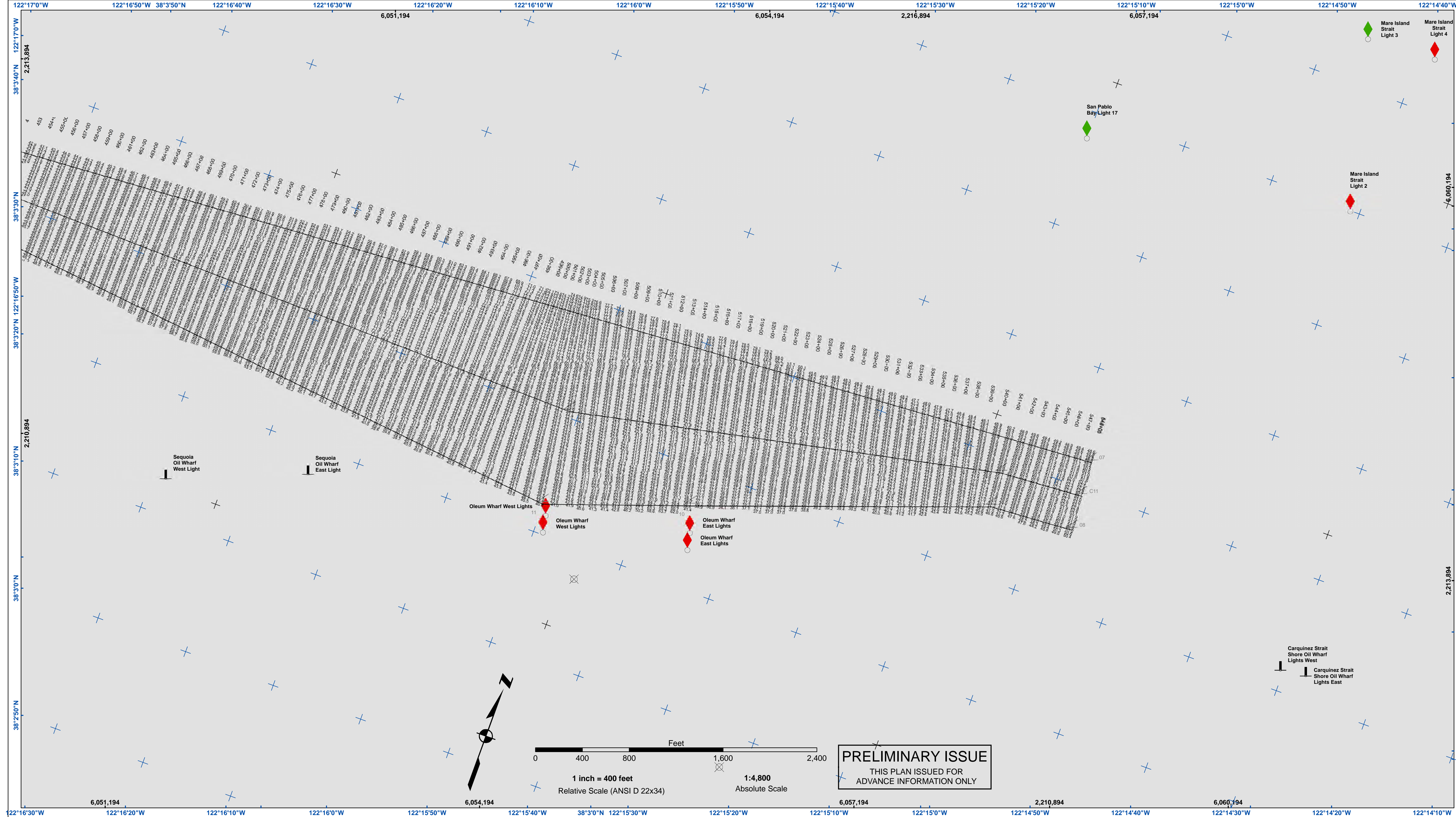


- | | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
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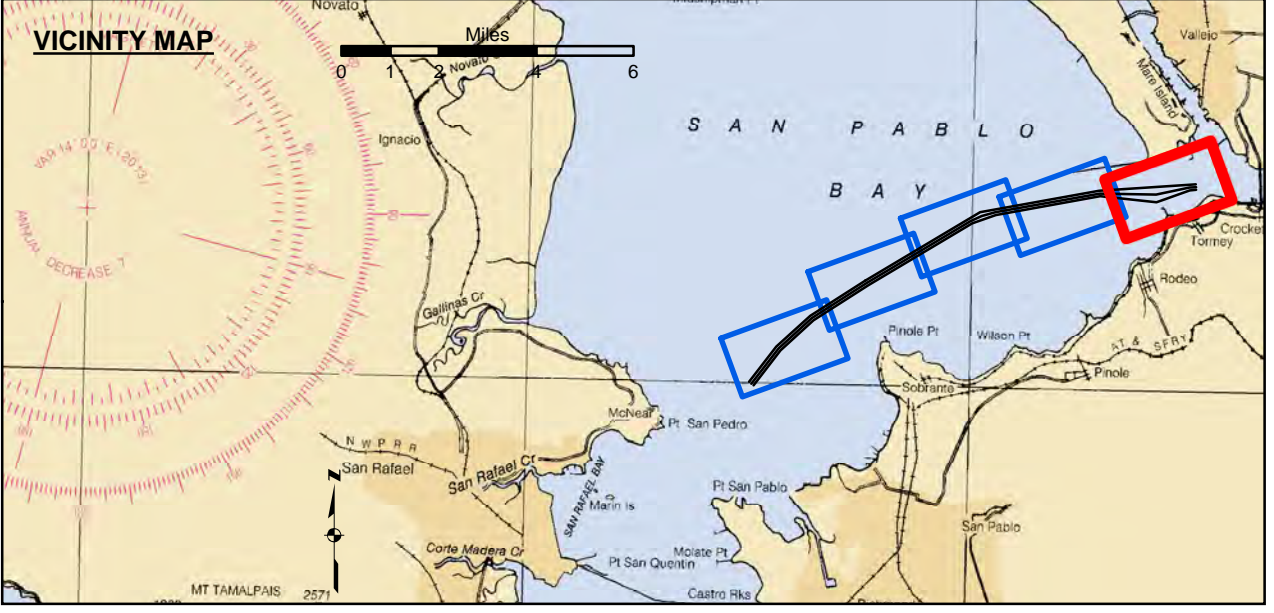
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Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA
PINOLE SHOALS
 CONDITION SURVEY
 15 AUGUST 2017
 SAN PABLO BAY

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- 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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