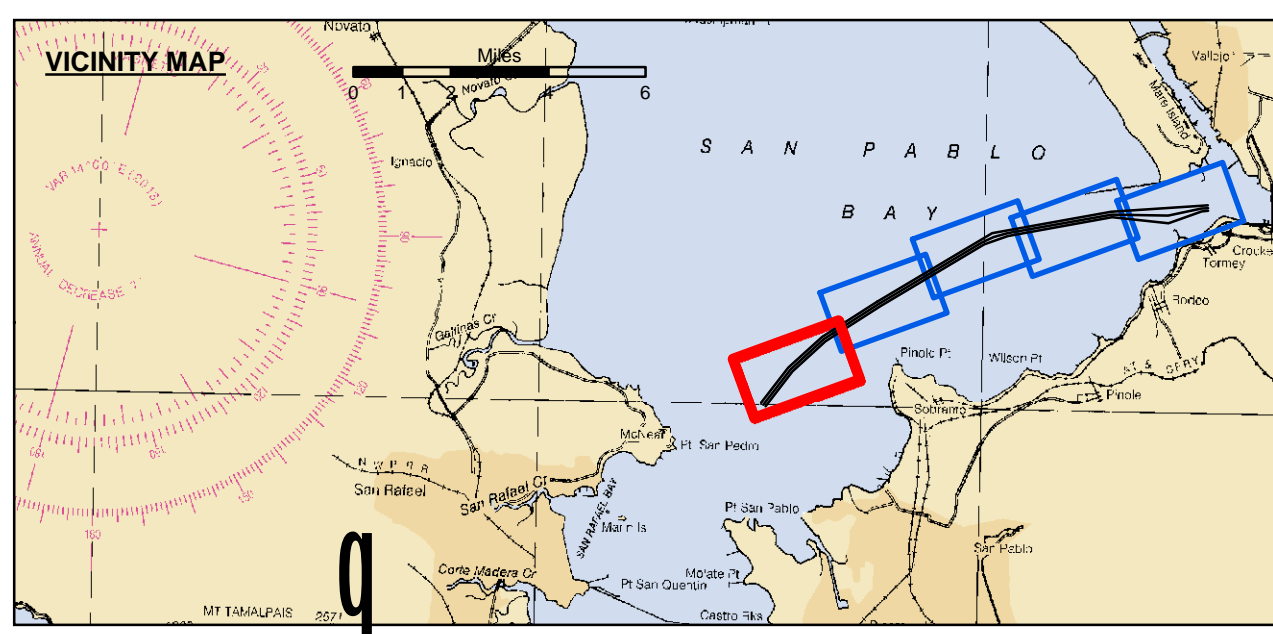


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Chart Date:	Nov 30, 2016
Designed by:	PDT
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Drawn by:	PDT

CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 17-20 OCTOBER
 AND 15 NOVEMBER 2016

Sheet
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 Number
1 of 5



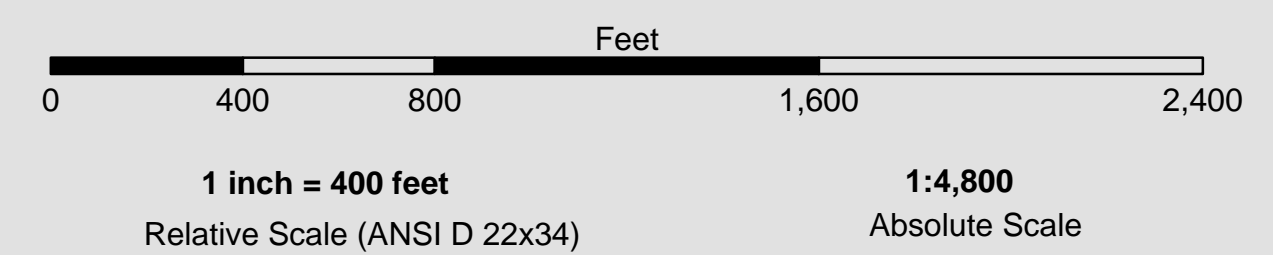
- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding*
- Contours
- 35
- 34
- 33
- 32
- 31

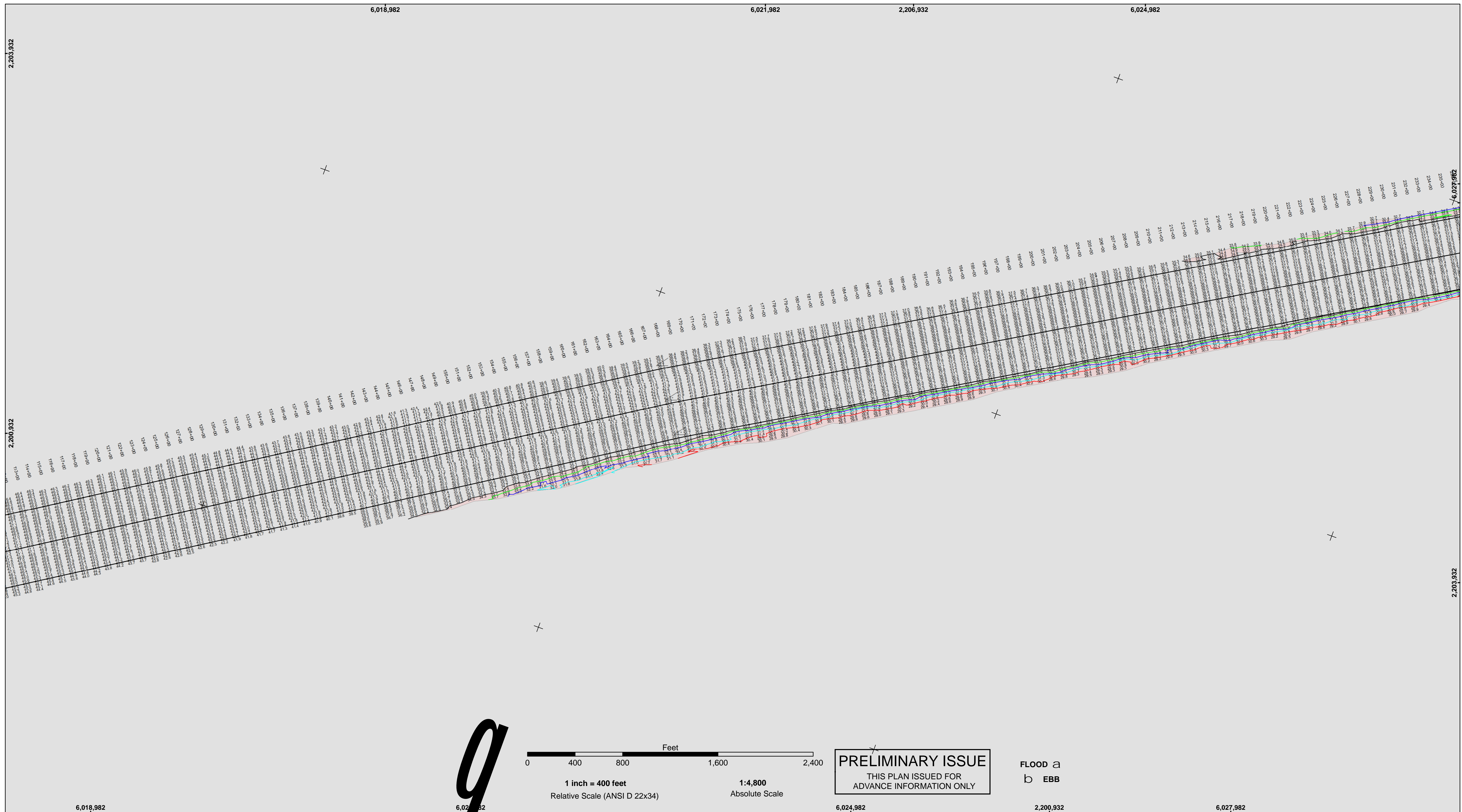
NOTES:
 HORIZONTAL COORDINATE SYSTEM:
 NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE III. DISTANCE UNITS IN U.S. SURVEY FEET.
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 HORIZONTAL GPS CONTROL:
 COAST GUARD D-BEACON
 VERTICAL CONTROL:
 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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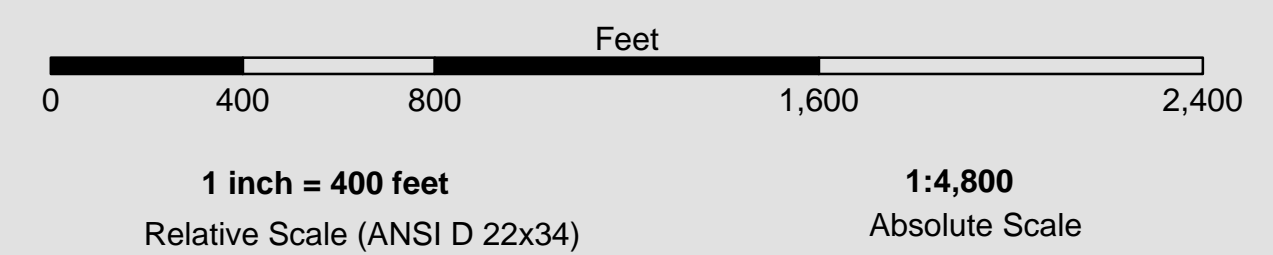
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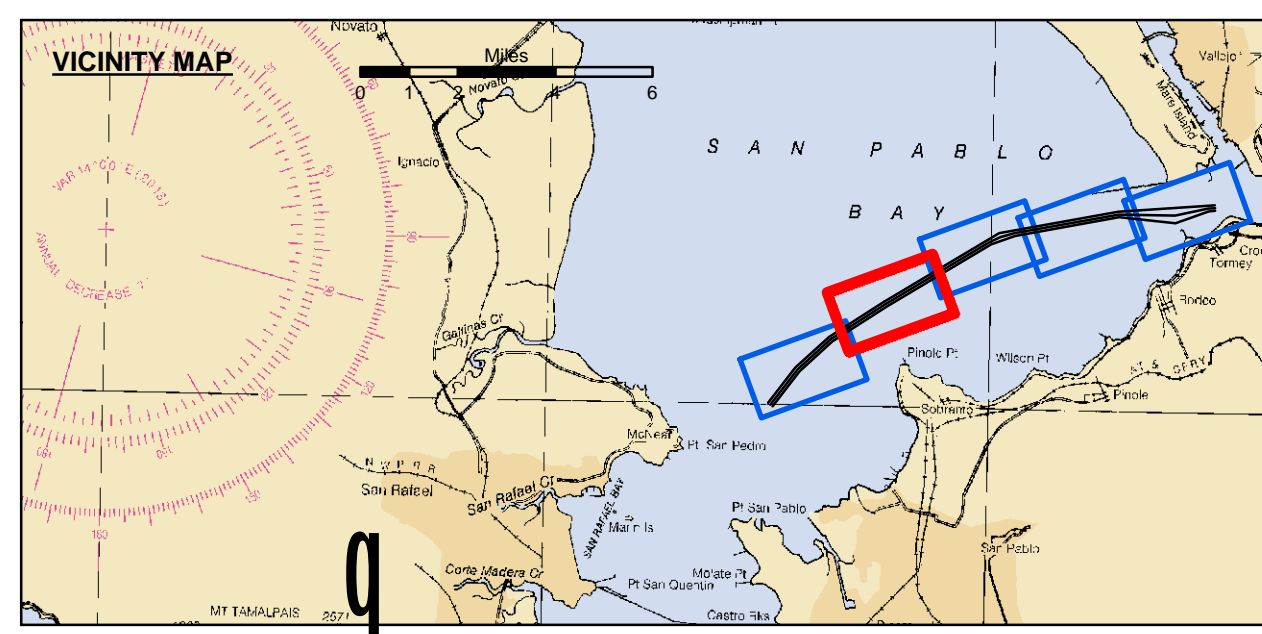
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Prepared Under the Direction of JOHN C. MORROW LT. COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Nov 30, 2016
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	



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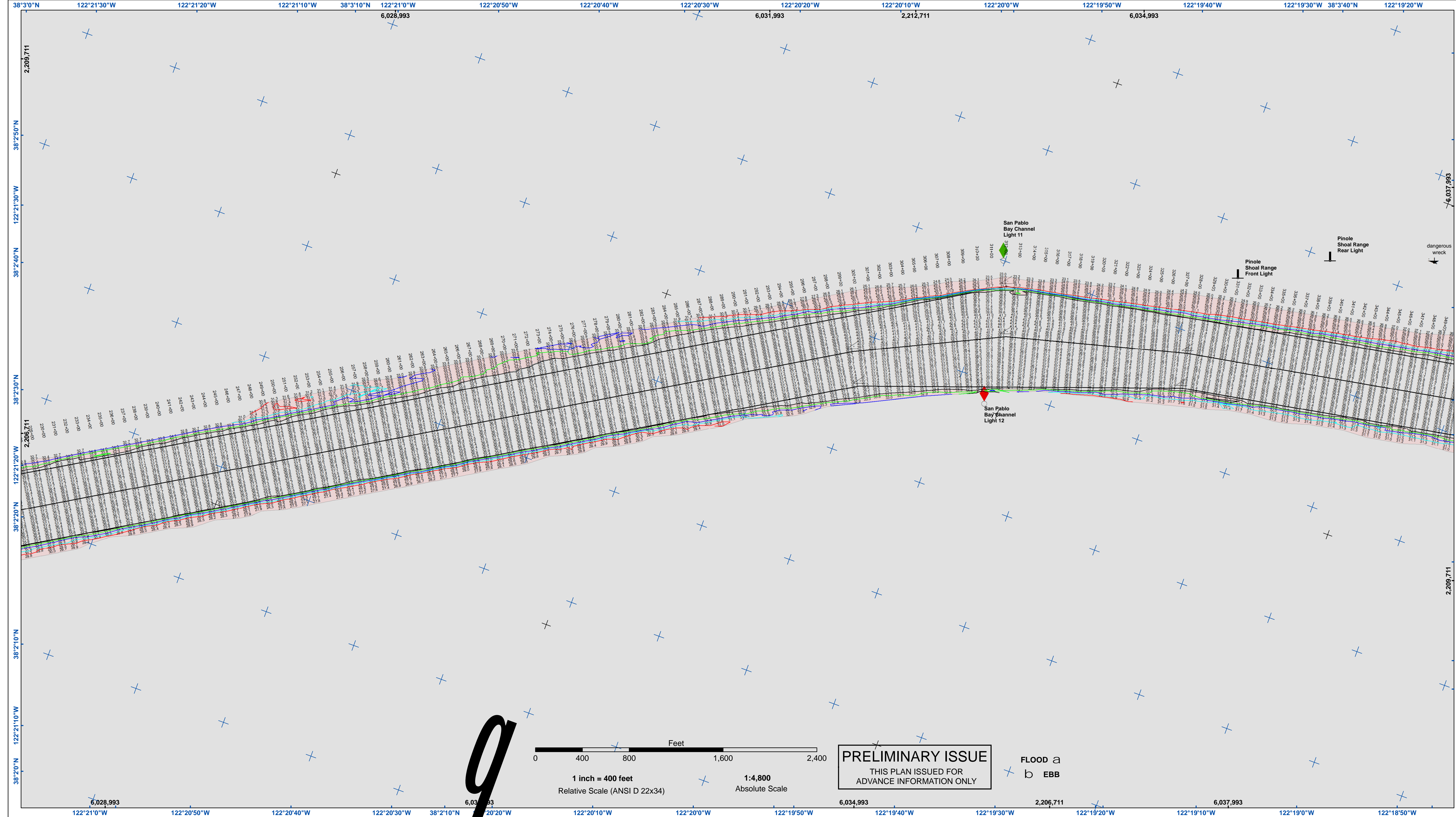
- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
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 TIDE GAUGE LOCATED AT MARE ISLAND PIER 35.

CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 17-20 OCTOBER
 AND 15 NOVEMBER 2016

Sheet Reference Number
 2 of 5



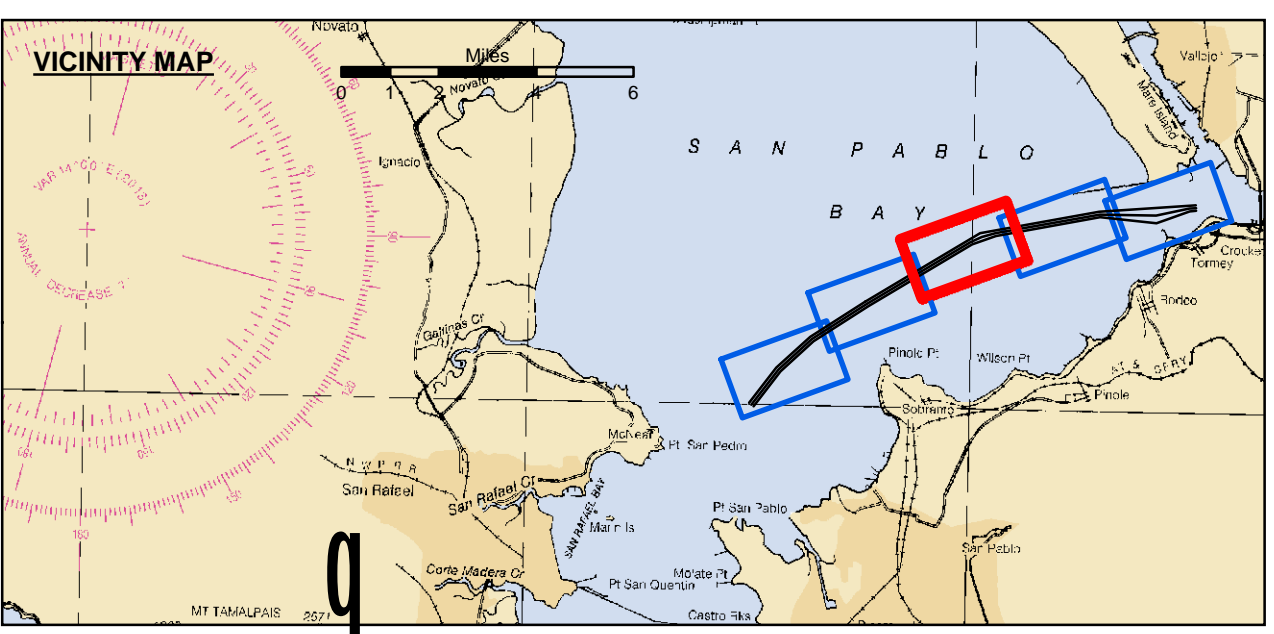
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 San Francisco District
 1455 Market Street
 San Francisco, CA 94103

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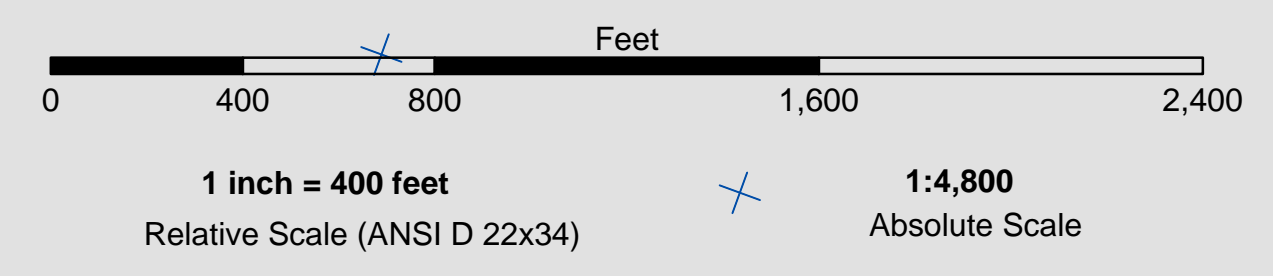
Chart Date:	Nov 30, 2016
Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Approved:	Chief, Construction Branch
Surveyed By:	JOHN C. MORROW
Plotted By:	PDT
Chart Date:	Nov 30, 2016

CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 17-20 OCTOBER
 AND 15 NOVEMBER 2016

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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

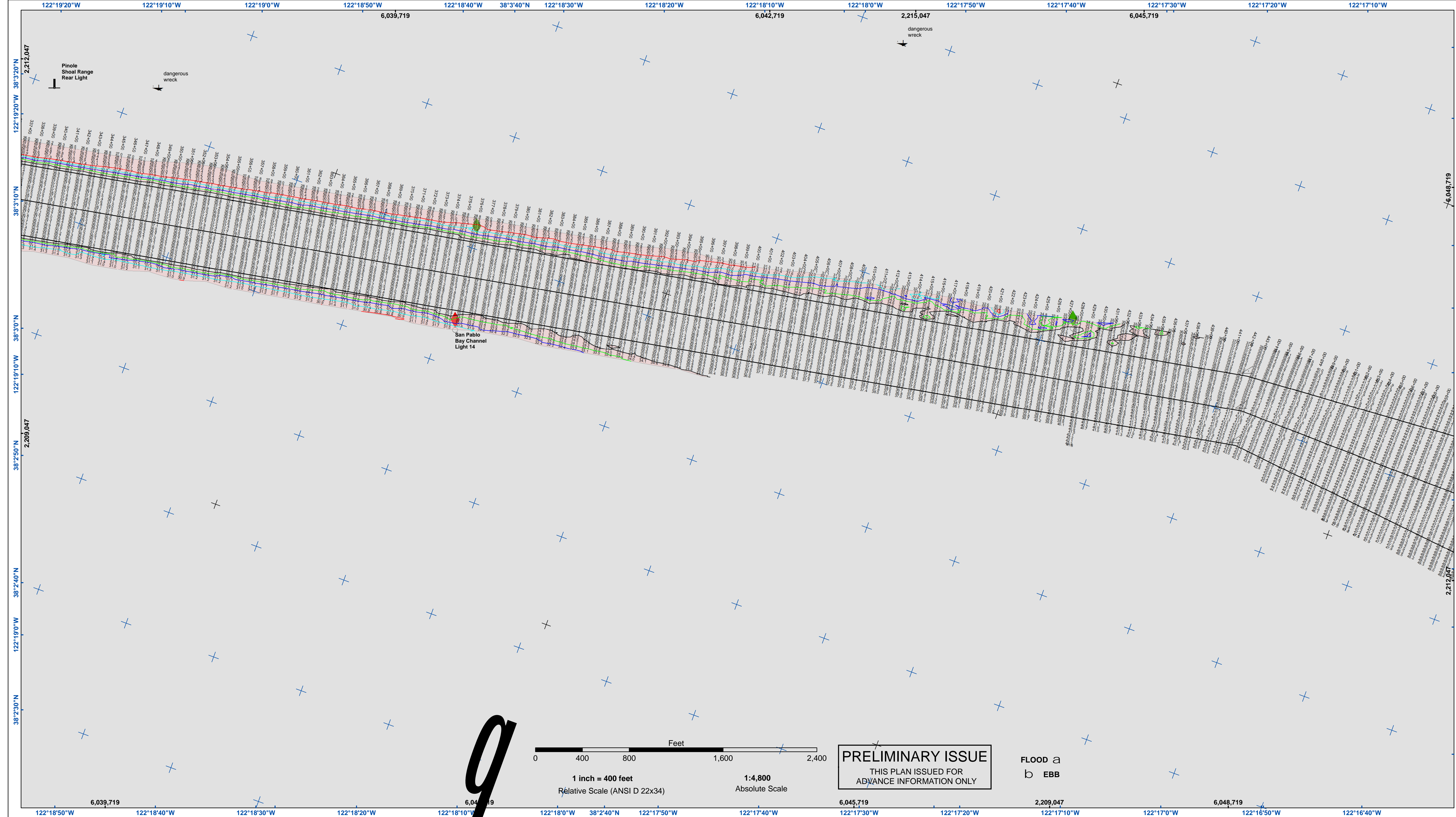


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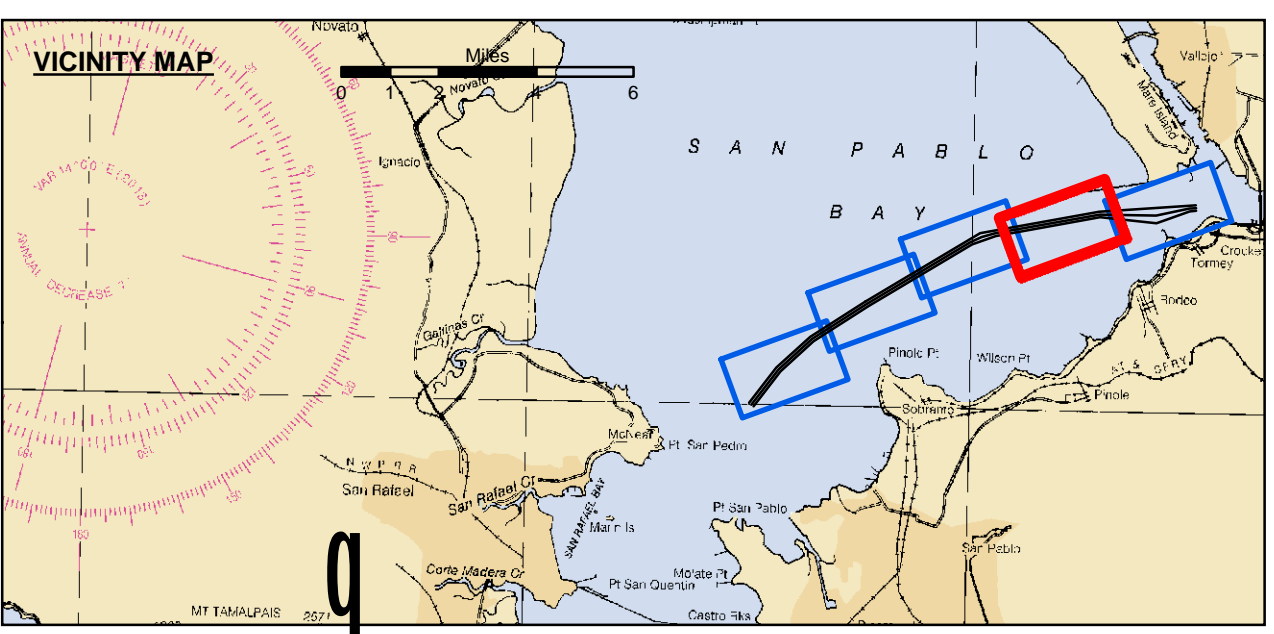
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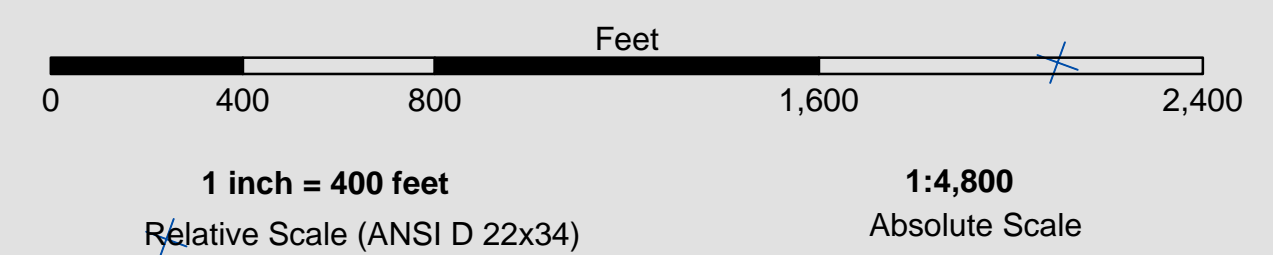
Prepared Under the Direction of JOHN C. MORROW LT Colonel, C.E., District Engineer	Chart Date: Nov 30, 2016
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	

CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 17-20 OCTOBER
 AND 15 NOVEMBER 2016

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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 | | |

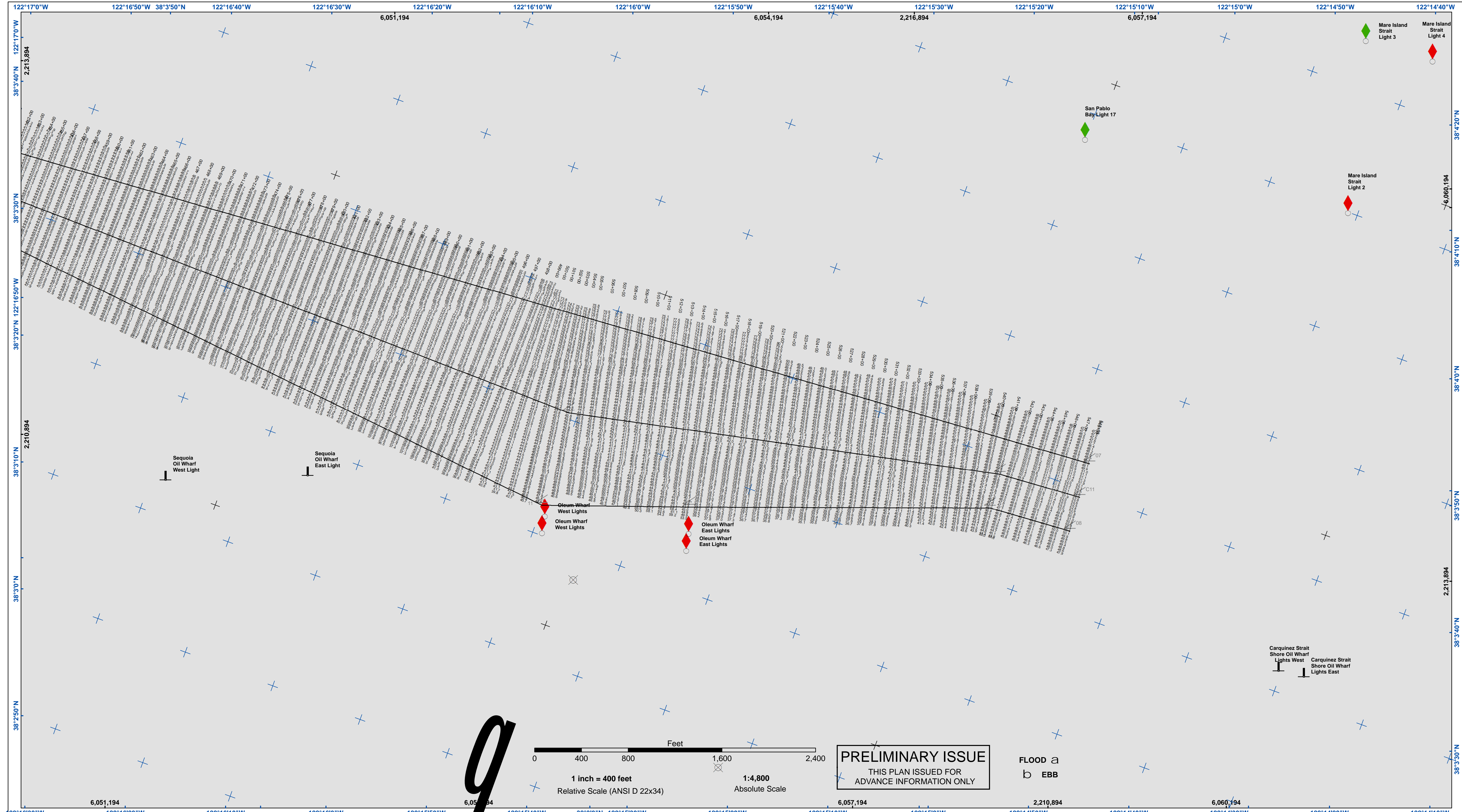


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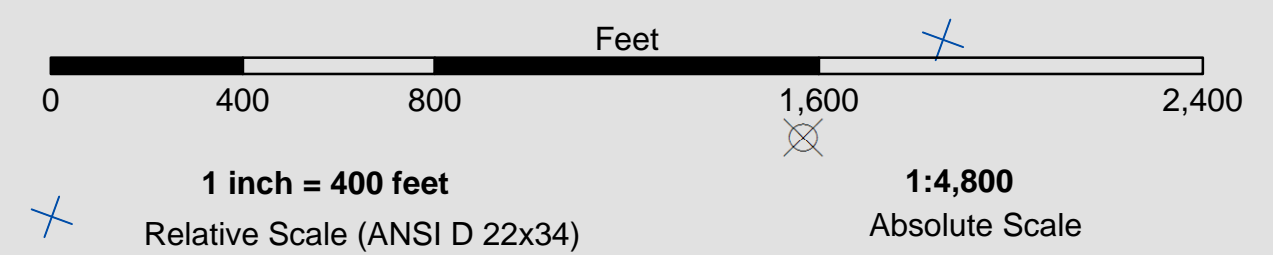
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Chart Date:	Nov 30, 2016
Designed by:	PDT
Plotted by:	PDT
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Drawn by:	PDT

CALIFORNIA
PINOLE SHOALS
 POST-DREDGE SURVEY
 17-20 OCTOBER
 AND 15 NOVEMBER 2016

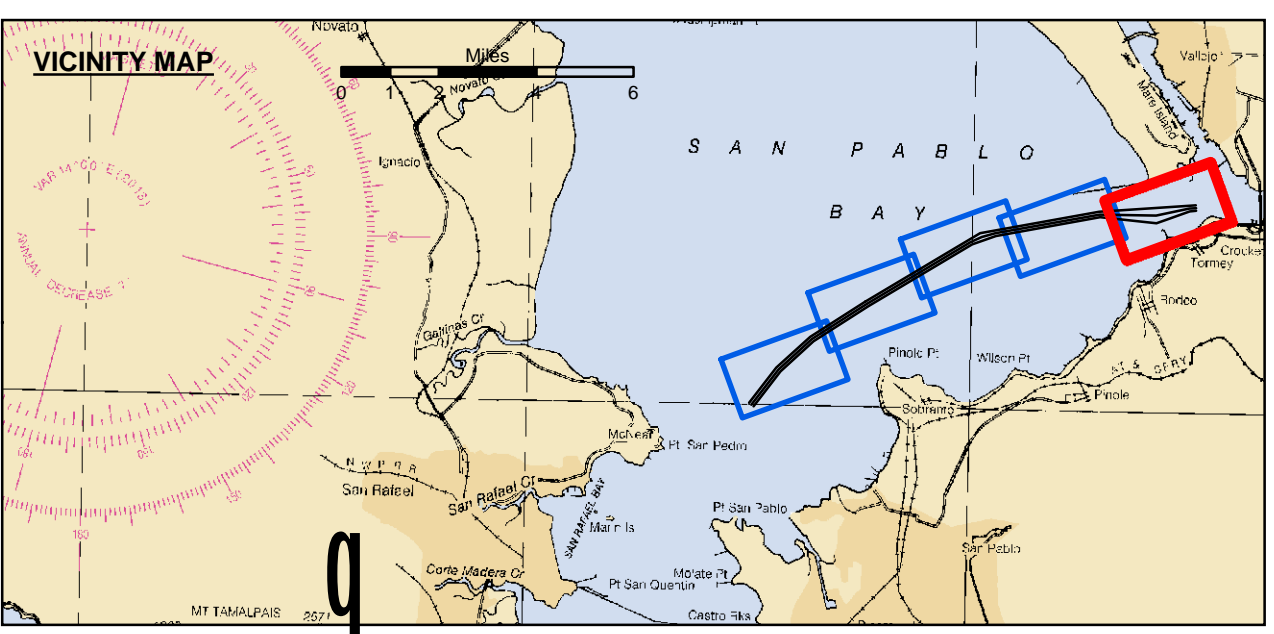
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- | | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
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