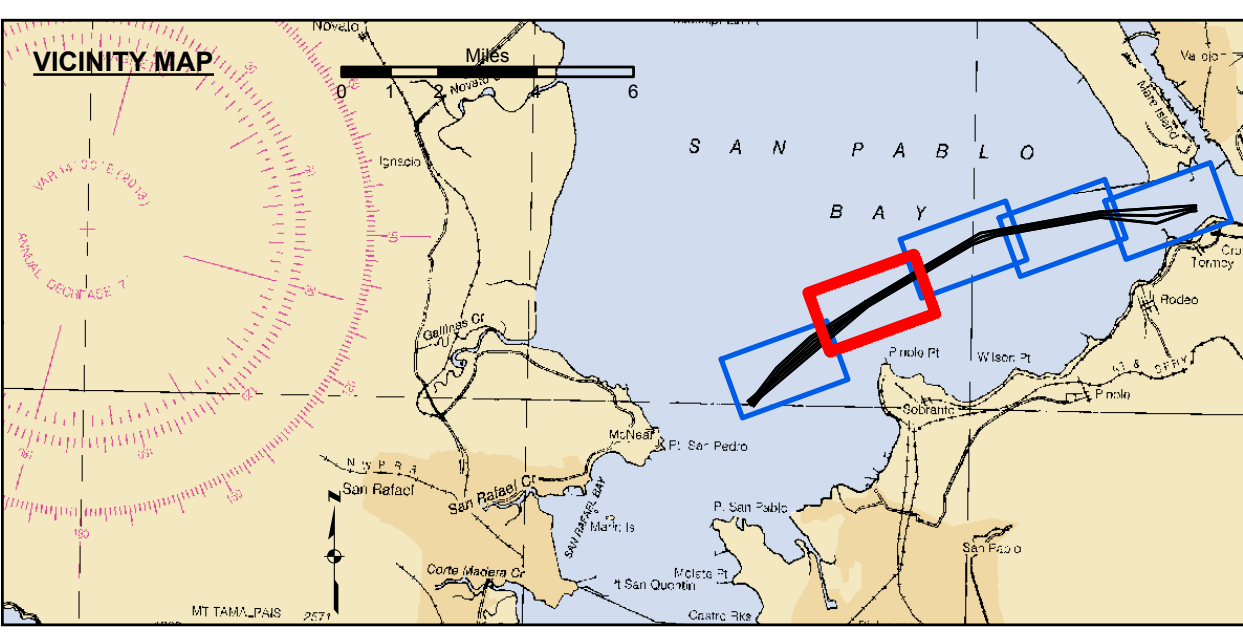
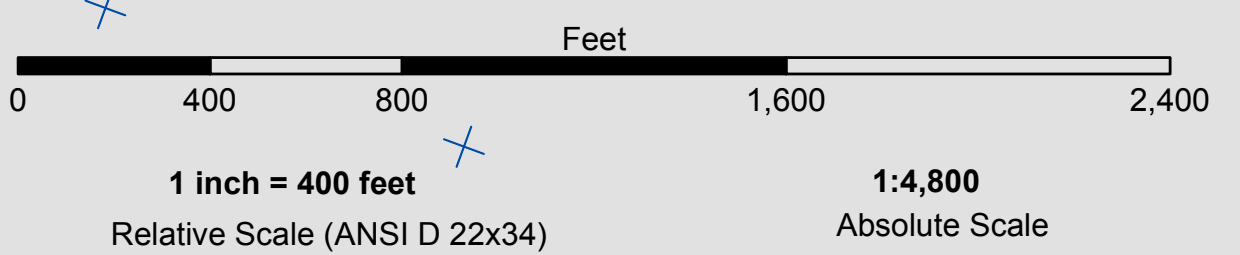


**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY

FLOOD →  
← EBB



- 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

**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.  
VERTICAL DATUM:  
SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER. SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.  
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED TO REPRESENT THE GENERAL CONDITION EXISTING AT THAT TIME.  
BASE MAPS ARE USDA NAIP 2010.  
\*SHOALEST SOUNDING PER QUARTER PER REACH

DRAWING NOT TO BE USED FOR NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY. THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST GUARD. BUOY LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.  
SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT. SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.  
SURVEYED BY THE CORPS OF ENGINEERS.  
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 "5056 C" (1978) 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.

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

**DISCLAIMER**  
The United States Government furnishes the data represented by this map for informational purposes only. The data is not intended for navigation. The user is responsible for the results of any application of the data for other than its intended purpose. The United States Government makes no warranty, expressed or implied, concerning the accuracy, completeness, reliability, utility or timeliness of the data. The user is responsible for the results of any application of the data for other than its intended purpose. These data belong to the Government. Therefore the recipient may not transfer these data to others without also transferring this disclaimer.

|  |                             |
|--|-----------------------------|
| Prepared Under the Direction of<br><b>JOHN C. MORROW</b><br>LT Colonel, C.E. District Engineer | Chart Date:<br>Aug 15, 2014 |
| Submitted:<br>Hydro Survey Team Leader   | Designed by:<br>PDT         |
| Recommended:<br>Chief, Hydro Survey Section  | Checked by:<br>PDT          |
| Approved:<br>Chief, Construction Branch  | Drawn by:<br>PDT            |

CALIFORNIA  
**PINOLE SHOALS**  
POST-DREDGE SURVEY  
6-12 AUGUST 2014  
SAN PABLO BAY

**Sheet Number**  
2 of 5