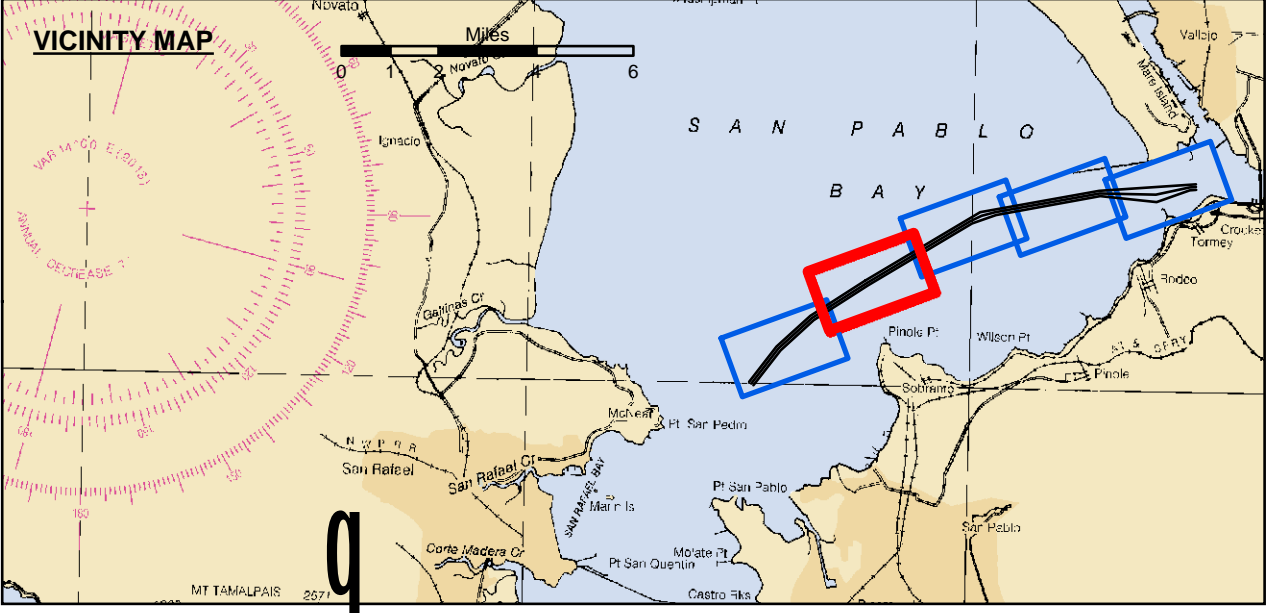


**DISCLAIMER**  
 The United States Government furnishes this information for your information only. It is not intended to be used for navigation. The data represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time. The user is responsible for the results of any application of the data for other than its intended purpose. 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>Jul 08, 2015 |
| Submitted:<br>Hydro Survey Team Leader   | Designed by:<br>PDT         |
| Recommended:<br>Chief, Hydro Survey Section  | Plotted by:<br>PDT          |
| Approved:<br>Chief, Construction Branch  | Checked by:<br>PDT          |
|  | Drawn by:<br>PDT            |

CALIFORNIA  
**PINOLE SHOALS**  
 CONDITION SURVEY  
 1-7 JULY 2015  
 SAN PABLO BAY

**Sheet Reference Number**  
 2 of 5



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

**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.