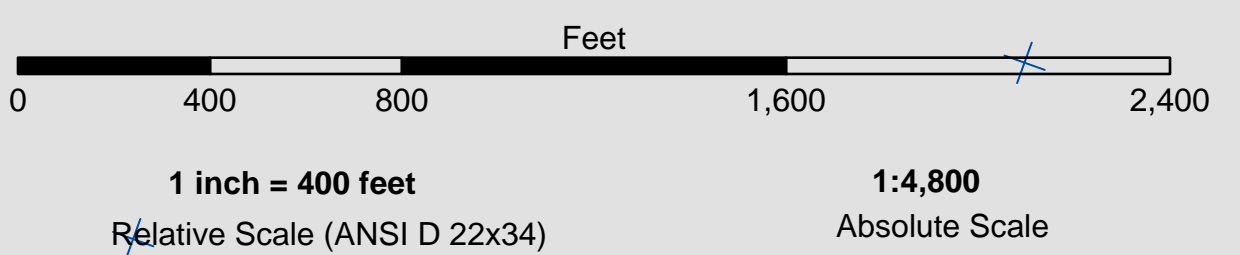


US Army Corps of Engineers
 San Francisco District
 1455 Market Street
 San Francisco, CA 94103

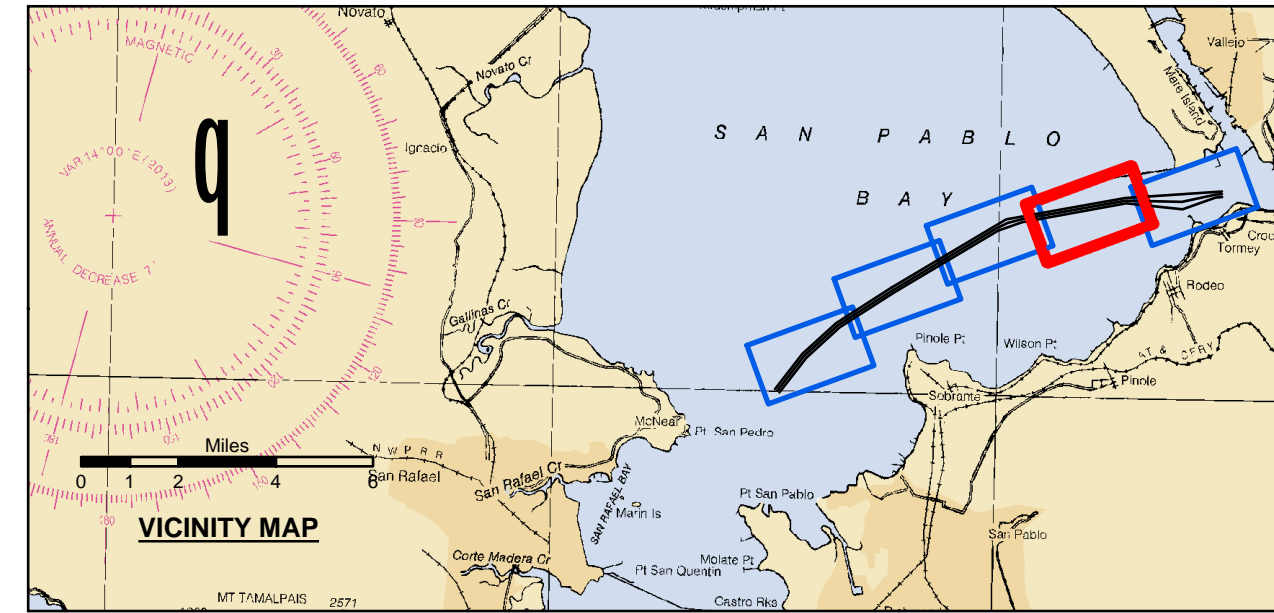
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Chart Date:	Mar 03, 2015
Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Surveyed By:	
Plotted By:	PDT
Prepared Under the Direction of:	JOHN C. MORROW LT. COLONEL, C.E., DISTRICT ENGINEER
Submitted:	Hydro Survey Team Leader
Recommended:	Chief, Hydro Survey Station
Approved:	Chief, Construction Branch



PRELIMINARY ISSUE
 THIS PLAN ISSUED FOR
 ADVANCE INFORMATION ONLY

FLOOD a
 b EBB



	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				

NOTES:
 NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE III. PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY. DISTANCE UNITS IN U.S. SURVEY FEET.
 VERTICAL DATUM: Mean Lower Low Water (MLLW). SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT.
 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.
 SURVEYED BY THE CORPS OF ENGINEERS.
 THE PROJECT DEPTH IS -35 FEET AT MLLW.
 CONTROL: RTK POSITIONING AND TIDES: POINT PINOLE 4 RESIT (PID: JT2895) - NOAA TIDE STATION 941 5056 941 5218 L (No PID) - NOAA TIDE STATION 941 941 5218

CALIFORNIA
 SAN PABLO BAY
 PINOLE SHOALS
 24-25 FEBRUARY 2015
 CONDITION SURVEY

Sheet Reference Number
 4 of 5