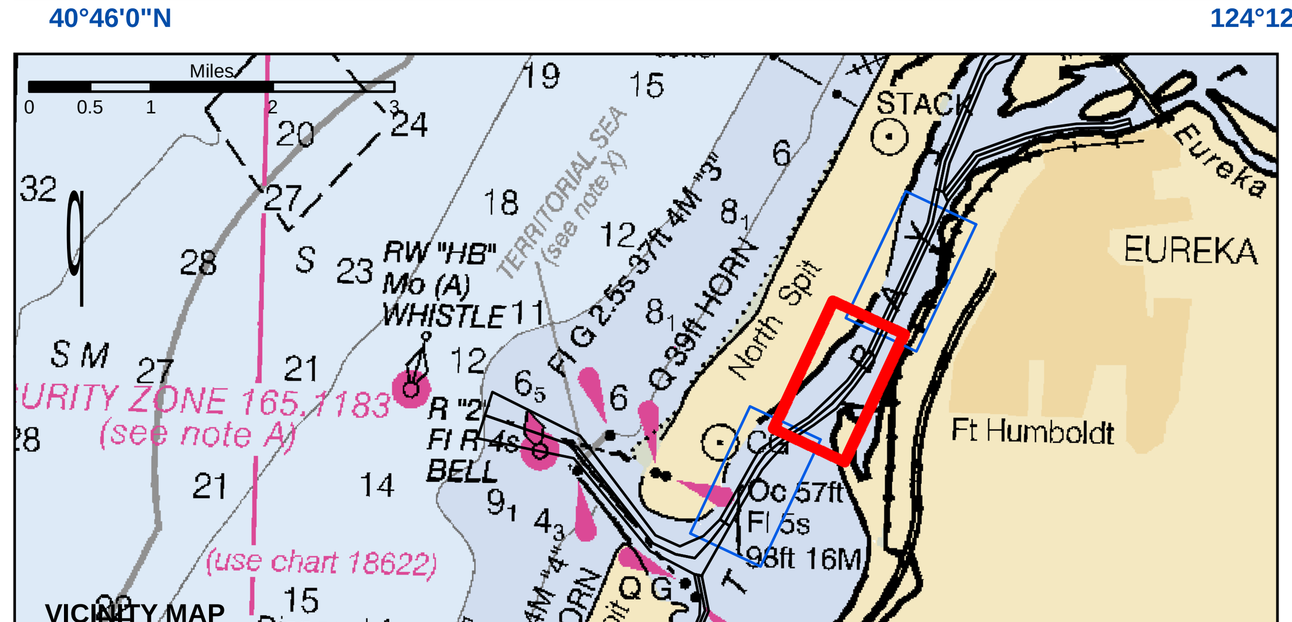
Angle Point	Easting	Northing
06	5945167.02	2166658.81
07	5945752.39	2166911.73
08	5946464.09	2167631.33
09	5946953.59	2168479.53
10	5947831.59	2170042.13
11	5948193.09	2170679.33
12	5949124.59	2171287.03
13	5950308.09	2172059.13
14	5951141.79	2172853.23
15	5951976.39	2173648.23
16	5952816.79	2174808.43
17	5955484.79	2180520.43
28	5956165.60	2181842.62
29	5956348.68	2181424.84
30	5955866.99	2180393.43
31	5953163.09	2174604.63
32	5952300.39	2173413.53
33	5951516.79	2172459.53
34	5950526.69	2171724.13
35	5949343.09	2170952.03
36	5948674.79	2170232.13
37	5948301.49	2169794.33
38	5947388.59	2168234.23
39	5946907.49	2167381.23
40	5946431.39	2166537.23
C07	5946085.69	2166728.23
C08	5946686.99	2167508.93
C09	5947166.09	2168359.43
C10	5948049.99	2169917.43
C11	5948433.89	2170455.43
C12	5949233.79	2171119.43
C13	5950417.39	2171891.43
C14	5951329.29	2172656.43
C15	5952138.39	2173530.43
C16	5952989.89	2174706.43
C17	5955671.89	2180451.43

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

Chart Date: Feb 23, 2015
Designed by:
Drawn by: PDT
Surveyed By:
Plotted By: PDT
Checked 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 Section
Approved: Chief, Construction Branch



Legend		Legend		Contours	
	Federal Navigation Channel		Beacon, General		-38
	Shoaling Area		Obstruction Point		-37
	Placement Area		Navigation Buoy		-36
	Anchorage Area		Navigation Buoy		-35
	Wreck Area		Shoalest Sounding*		-34
	Submerged Wreck				
	Angle Point				

NOTES:
DRAWINGS NOT TO BE USED AS 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 LOCATION REPRESENT THE POSITION OF THE SINKER ONLY.

SURVEYED BY THE CORPS OF ENGINEERS.

SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTHS OF A FOOT.

SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.

PLANE GRID AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE I NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.

PROJECT DEPTHS ARE AS FOLLOWS:
BAR & ENTRANCE CHANNEL = 48 FEET
NORTH BAY, SAMOA TO MILE 5.0 & = 38 FEET
EUREKA CHANNEL, FIELDS LANDING CHANNEL & MILE 5.0 TO "N" STREET = 26 FEET

1:00 INDICATES THE NUMBER AND BEGINNING OF A LINE OF SOUNDINGS.

SOUNDINGS ARE BASED ON TIDE GUAGES REFERENCED TO U.S.C. & G.S.
BENCH MARKS AS FOLLOWS:
EUREKA & SOMOA CHANNELS - B.M. NO. 4 (1906) ELEV. 33.61' M.L.L.W
ENTRANCE & NORTH BAY CHANNELS - B.M. NO. 9 (1937) ELEV. 16.35' M.L.L.W.
FIELDS LANDING CHANNEL - B.M. NO. 5 (1925) ELEV. 8.52' M.L.L.W

CONTROL:
BENCHMARK: 941 8767 TIDAL 11 (PID: LV0359)

HORIZONTAL:
PRIMARY: RTK POSITIONING FROM 941 8767 TIDAL 11
SECONDARY: CG DGPS
VERTICAL/TIDES: RTK ELEVATIONS FROM 941 8767 TIDAL 11

HUMBOLDT BAY NORTHBAY CHANNEL CONDITION SURVEY 14-16 FEBRUARY 2015

HUMBOLDT COUNTY
CALIFORNIA

Sheet Reference Number
2 of 3