

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	2171267.03
13	5950306.09	2172059.13
14	5951141.79	2172853.23
15	5951976.39	2173648.23
16	5952816.79	2174408.43
17	5953484.79	2175020.43
18	5954165.60	2175614.62
19	5954848.68	2176142.64
20	5955586.99	2176734.43
21	59563163.09	2177341.53
22	5957000.39	2177943.53
23	5957679.79	2178549.53
24	5958326.69	2179124.13
25	5958934.09	2179652.03
26	5959574.79	2180232.13
27	5960201.49	2180794.33
28	5960738.59	2181324.23
29	5961290.49	2181821.23
30	5961843.39	2182387.23
31	5962398.69	2182928.23
32	5962956.99	2183493.43
33	5963518.09	2184045.43
34	5964083.39	2184555.43
35	5964653.79	2185045.43
36	5965229.29	2185519.43
37	5965810.99	2185981.43
38	5966398.99	2186431.43
39	5966993.29	2186870.43
40	5967593.99	2187300.43
41	5968199.29	2187721.43
42	5968810.29	2188134.43
43	5969426.99	2188540.43
44	5970049.29	2188940.43
45	5970677.29	2189335.43
46	5971310.99	2189726.43
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48	5972595.29	2190497.43
49	5973245.99	2190879.43
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58	5979356.99	2194268.43
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63	5982948.29	2196168.43
64	5983682.99	2196551.43
65	5984422.29	2196936.43
66	5985167.29	2197322.43
67	5985917.99	2197710.43
68	5986673.29	2198100.43
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71	5988973.29	2199284.43
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110	6023109.29	2217094.43
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116	6029034.29	2220241.43
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118	6031049.29	2221314.43
119	6032064.29	2221855.43
120	6033084.29	2222400.43
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144	6059076.29	2236421.43
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157	6074364.29	2244715.43
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168	6087960.29	2252129.43
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171	6091773.29	2254214.43
172	6093054.29	2254915.43
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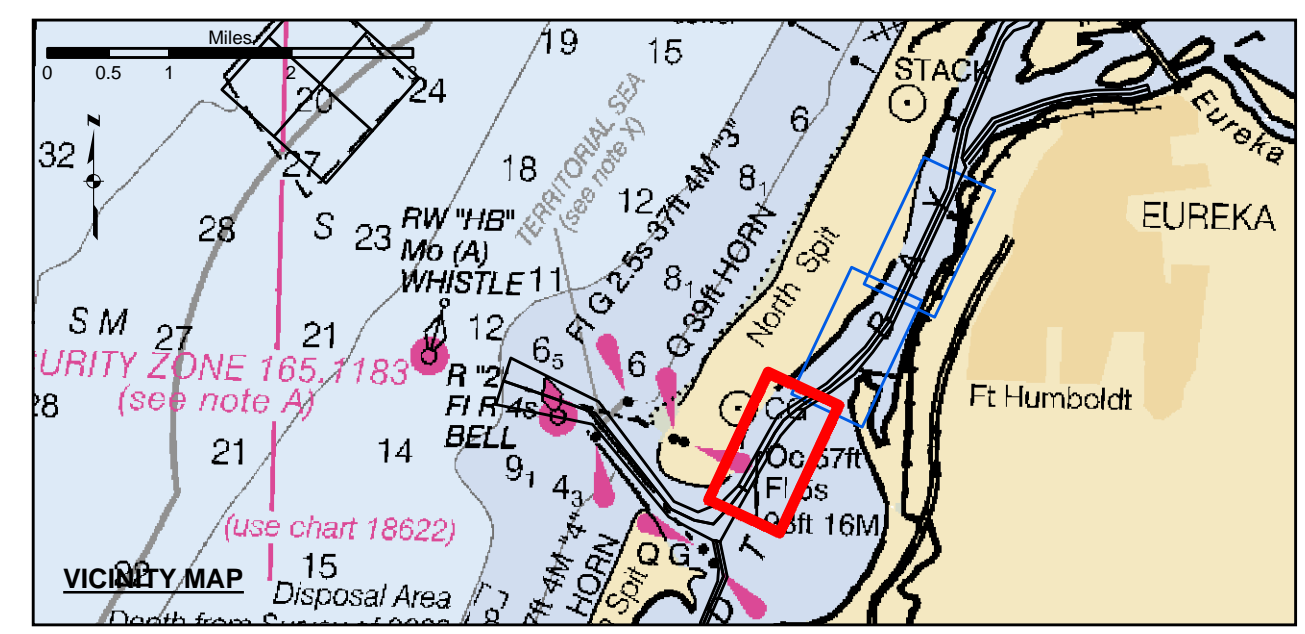
US Army Corps of Engineers
 San Francisco District
 1455 Market Street
 San Francisco, CA 94103

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Prepared Under the Direction of:	LT COLONEL J. RAYFIELD	Chart Date:	Mar 15, 2018
Submittal:	Hydro Survey Team Leader	Plotted By:	PDT
Recommended:	Chief, Hydro Survey Section	Checked By:	PDT
Approved:	Chief, Construction Branch	Drawn by:	PDT

CALIFORNIA
 HUMBOLDT COUNTY
**HUMBOLDT BAY
 NORTH BAY CHANNEL**
 CONDITION SURVEY
 08 MARCH 2018

Sheet Reference Number
 1 of 3

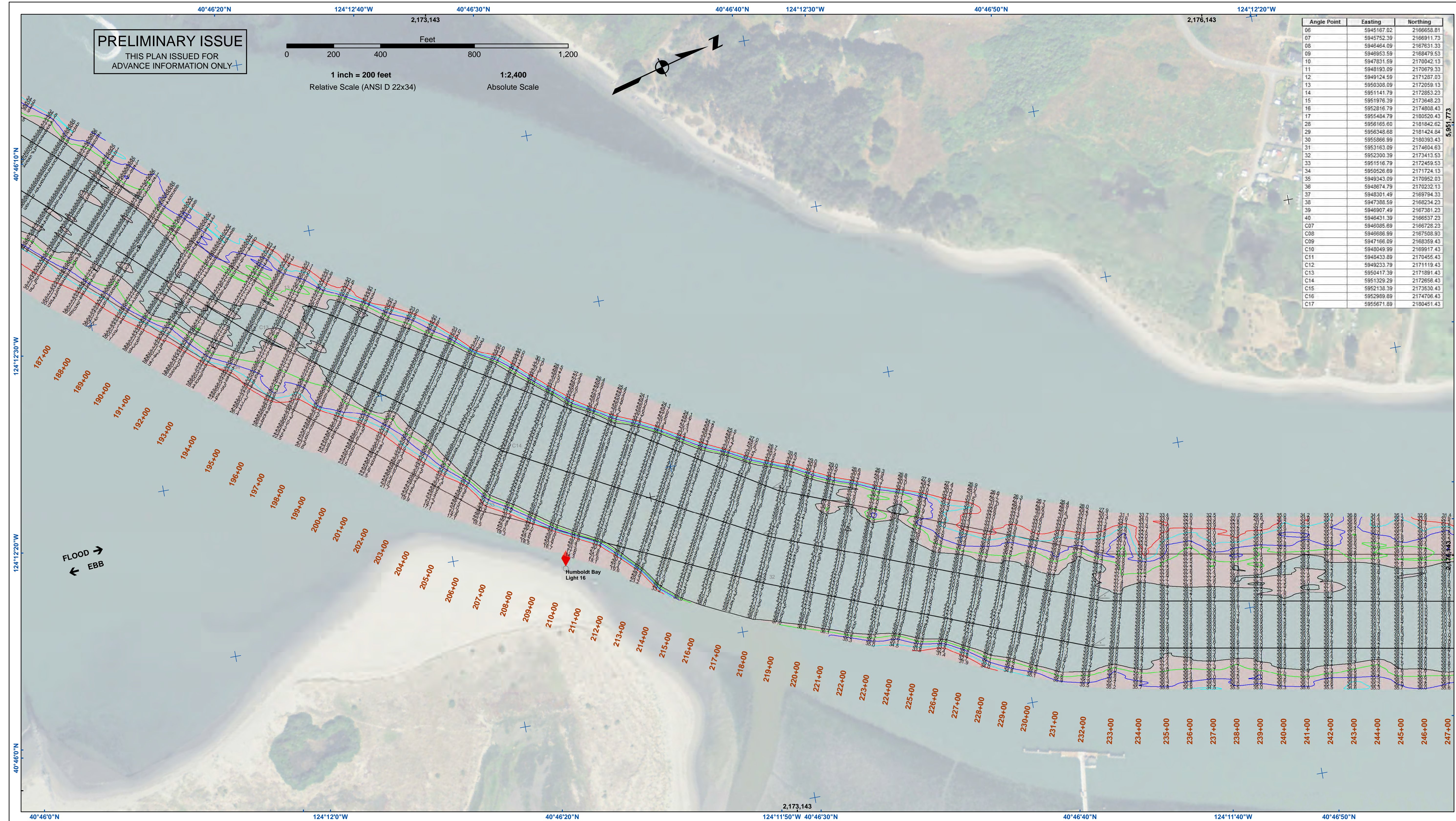


Federal Navigation Channel	Beacon, General	Contours
Shoaling Area	Obstruction Point	-38
Placement Area	Navigation Buoy	-37
Anchorage Area	Navigation Buoy	-36
Wreck Area	Shoalest Sounding*	-35
Submerged Wreck		-34
Angle Point		

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 1 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, SAMOIA 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 GAUGES REFERENCED TO U.S.C. & G.S.
 BENCH MARKS AS FOLLOWS:
 EUREKA & SOMOIA 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.



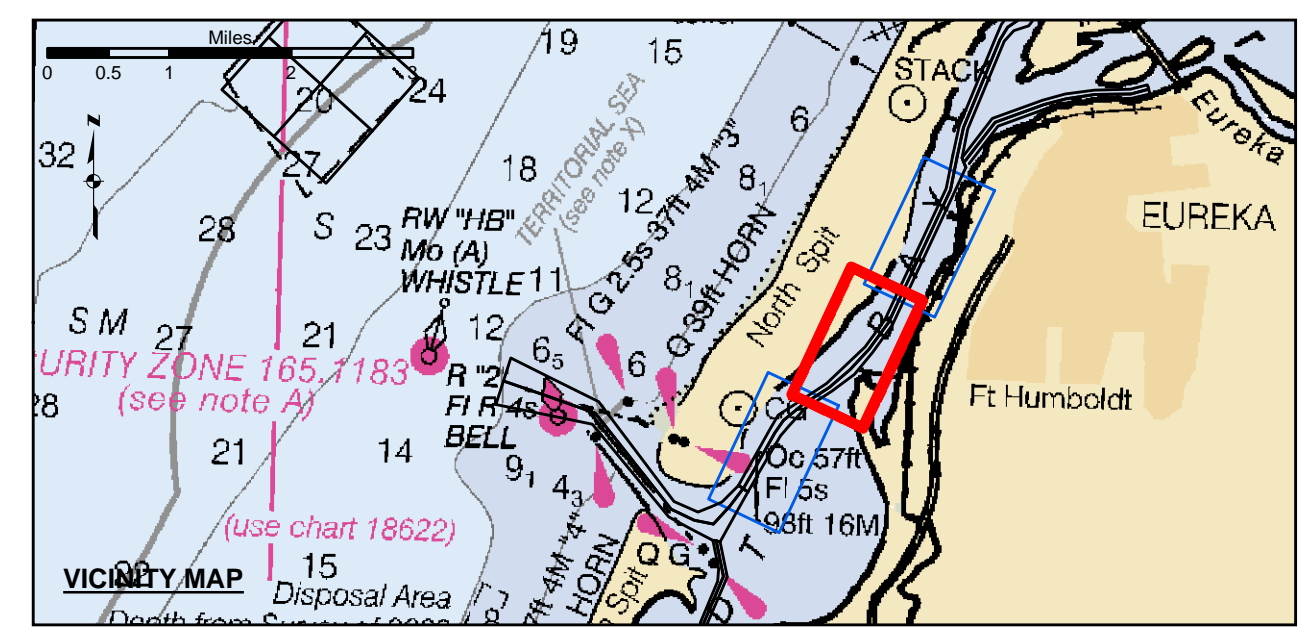
Angle Point	Easting	Northing
06	5945167.02	2166658.81
07	5945752.39	2166911.73
08	5946464.09	2167631.33
09	5946953.59	2168479.53
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17	5953484.79	2175204.43
28	595165.60	2181942.62
29	5956348.68	2181424.64
30	5955866.99	2180393.43
31	5953163.09	2174604.63
32	5952300.39	2173413.53
33	5951516.79	2172459.53
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35	5949343.09	2170952.03
36	5948674.79	2170232.13
37	5948301.49	2169794.33
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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	5948433.69	2170455.43
C12	5949233.79	2171119.43
C13	5950417.39	2171881.43
C14	5951329.29	2172858.43
C15	5952138.39	2173530.43
C16	5952989.89	2174706.43
C17	5955671.89	2180451.43

PRELIMINARY ISSUE
THIS PLAN ISSUED FOR ADVANCE INFORMATION ONLY

Scale: 1 inch = 200 feet
Relative Scale (ANSI D 22x34) 1:2,400
Absolute Scale

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Prepared Under the Direction of	Chart Date
LT COLONEL C.E. DISTRICT ENGINEER	Mar 15, 2018
Surveyed By	Plotted By
TRAVIS J. RAYFIELD	PDT
Hydro Survey Team Leader	Checked By
Recommended	Chief, Hydro Survey Section
Approved	Chief, Construction Branch
Designed by	Drawn by
PDT	PDT



Federal Navigation Channel	Beacon, General	Contours
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	-38
Anchorage Area	Navigation Buoy	-37
Wreck Area	Shoalest Sounding*	-36
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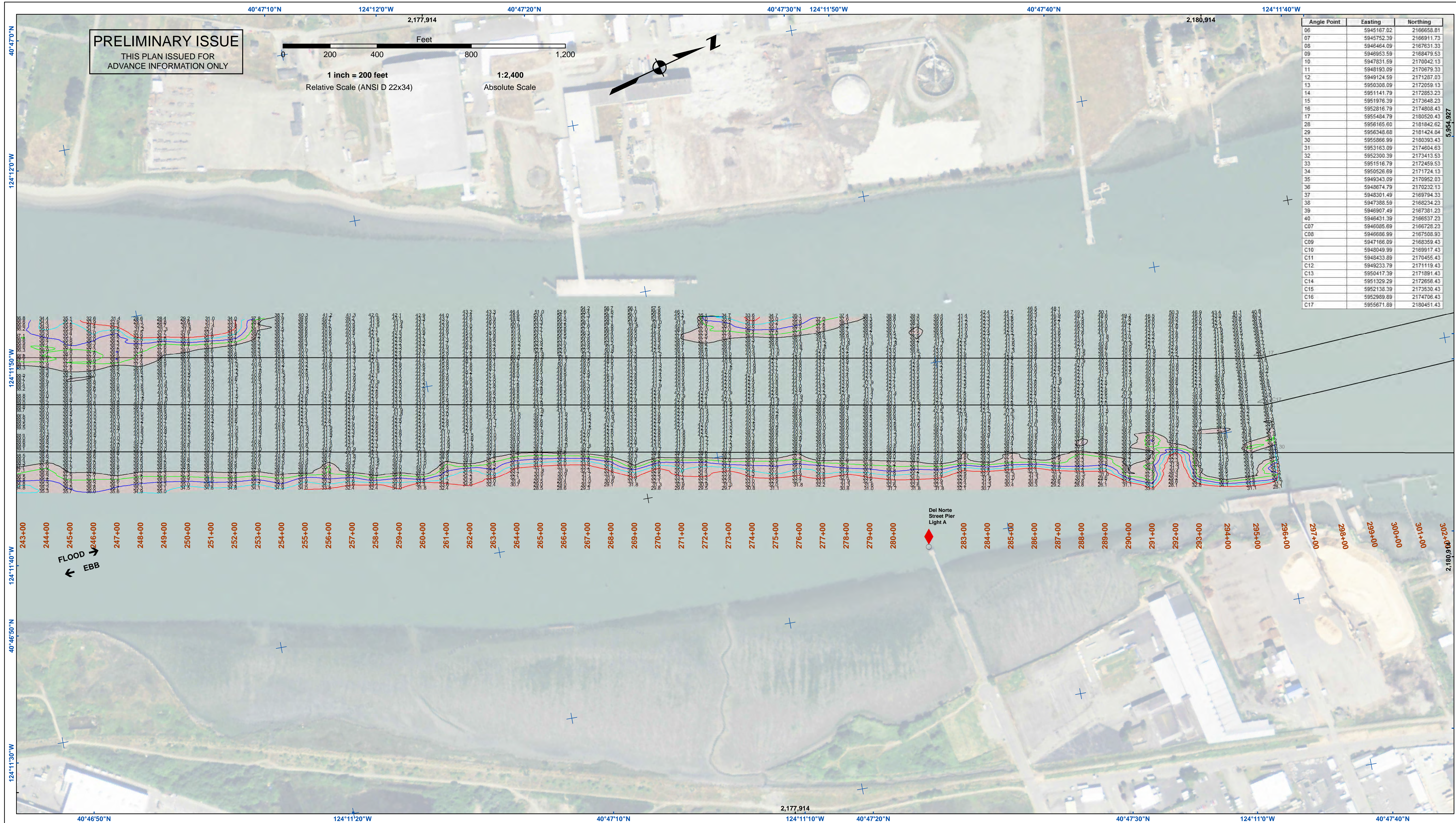
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PROJECT DEPTHS ARE AS FOLLOWS:
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EUREKA CHANNEL, FIELDS LANDING CHANNEL & MILE 5.0 TO "N" STREET = 26 FEET

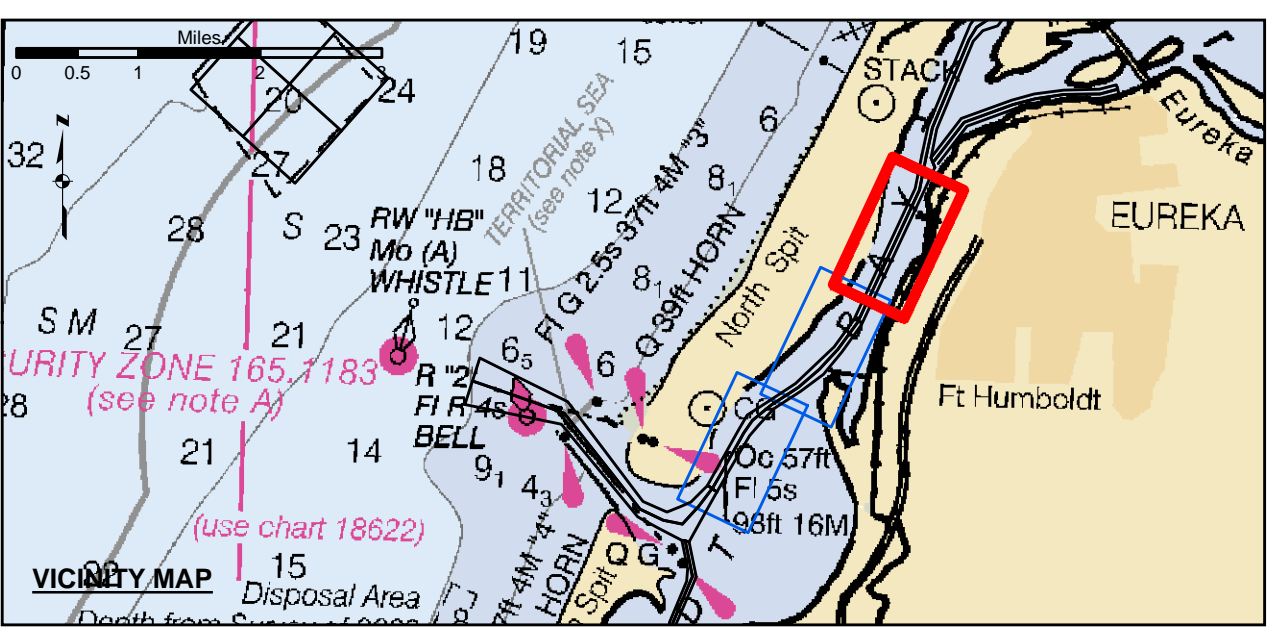
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CALIFORNIA
HUMBOLDT COUNTY
HUMBOLDT BAY
NORTH BAY CHANNEL
CONDITION SURVEY
08 MARCH 2018

Sheet Reference Number
2 of 3



Angle Point	Easting	Northing
06	5945167.02	2166658.81
07	5945752.39	2166911.73
08	5946464.09	2167631.33
09	5946953.59	2168479.53
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28	595165.60	2161842.62
29	5956348.68	2161424.64
30	5955866.99	2160393.43
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	2169174.43
C11	5948433.69	2170455.43
C12	5949233.79	2171119.43
C13	5950417.39	2171881.43
C14	5951329.29	2172858.43
C15	5952138.39	2173530.43
C16	5952989.89	2174706.43
C17	5955671.69	2180451.43



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Prepared Under the Direction of TRAVIS J. RAYFIELD LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Mar 15, 2018
Submittal: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Checked by: PDT
Approval: Chief, Construction Branch	Drawn by: PDT

CALIFORNIA
HUMBOLDT BAY
NORTH BAY CHANNEL
CONDITION SURVEY
08 MARCH 2018

Sheet Reference Number
3 of 3