



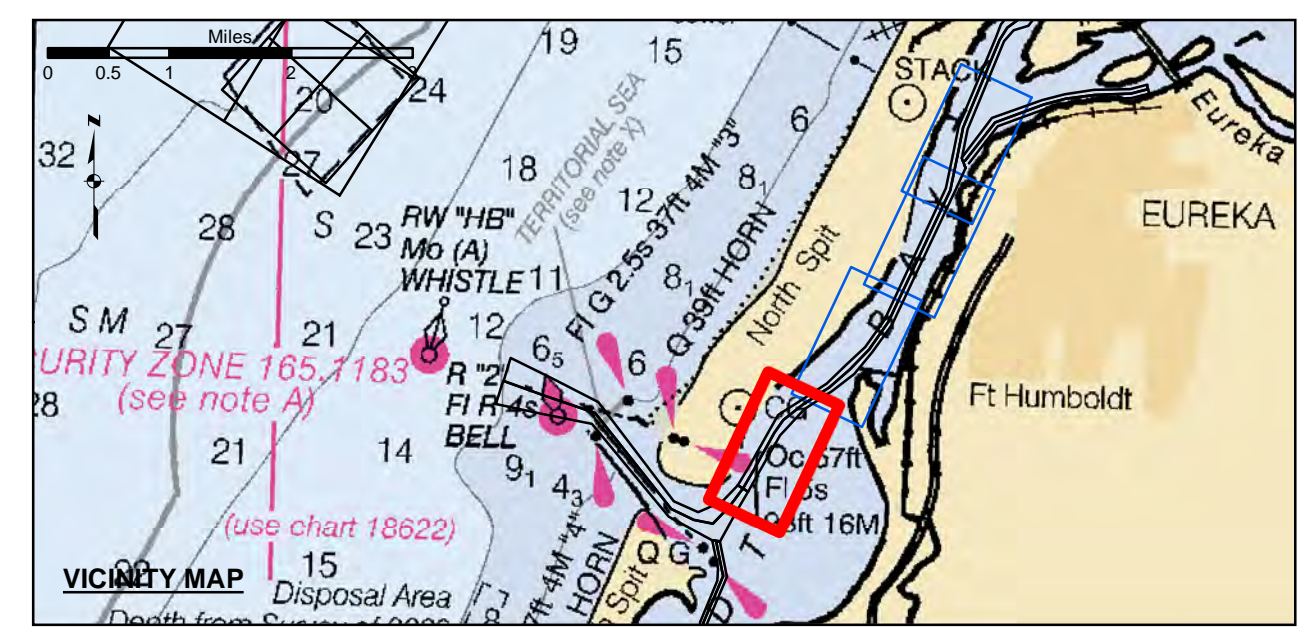
Angle Point	Easting	Northing
06	5945167.02	2166658.81
07	5945752.39	2166911.73
08	5946464.09	2167631.33
09	5946953.59	2168479.53
10	5947831.59	2170042.13
11	5948193.09	2170679.33
12	5949124.59	2171267.03
13	5950308.09	2172059.13
14	5951141.79	2172853.23
15	5951976.39	2173648.23
16	5952816.79	2174408.43
17	5953484.79	2175204.43
28	595165.00	2161942.62
29	595348.68	2161424.64
30	595586.99	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	2169917.43
C11	5949333.69	2170455.43
C12	5949233.79	2171119.43
C13	5950417.39	2171891.43
C14	5951329.29	2172858.43
C15	5952138.39	2173530.43
C16	5952989.89	2174706.43
C17	5953571.69	2180451.43

**US Army Corps of Engineers**  
 San Francisco District  
 450 Golden Gate Ave  
 San Francisco, CA 94102

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Prepared Under the Direction of	Chart Date:
LT COLONEL W. SHEBESTA	Jul 10, 2023
Submitted:	Plotted By:
Hydro Survey Team Leader	PDT
Recommended:	Checked By:
Chief, Hydro Survey Section	PDT
Approved:	Drawn by:
Chief, Construction Branch	PDT

**HUMBOLDT COUNTY**  
**HUMBOLDT BAY**  
**NORTH BAY CHANNEL**  
**POST-DREDGE SURVEY**  
 29 JUNE - 01 JULY 2023

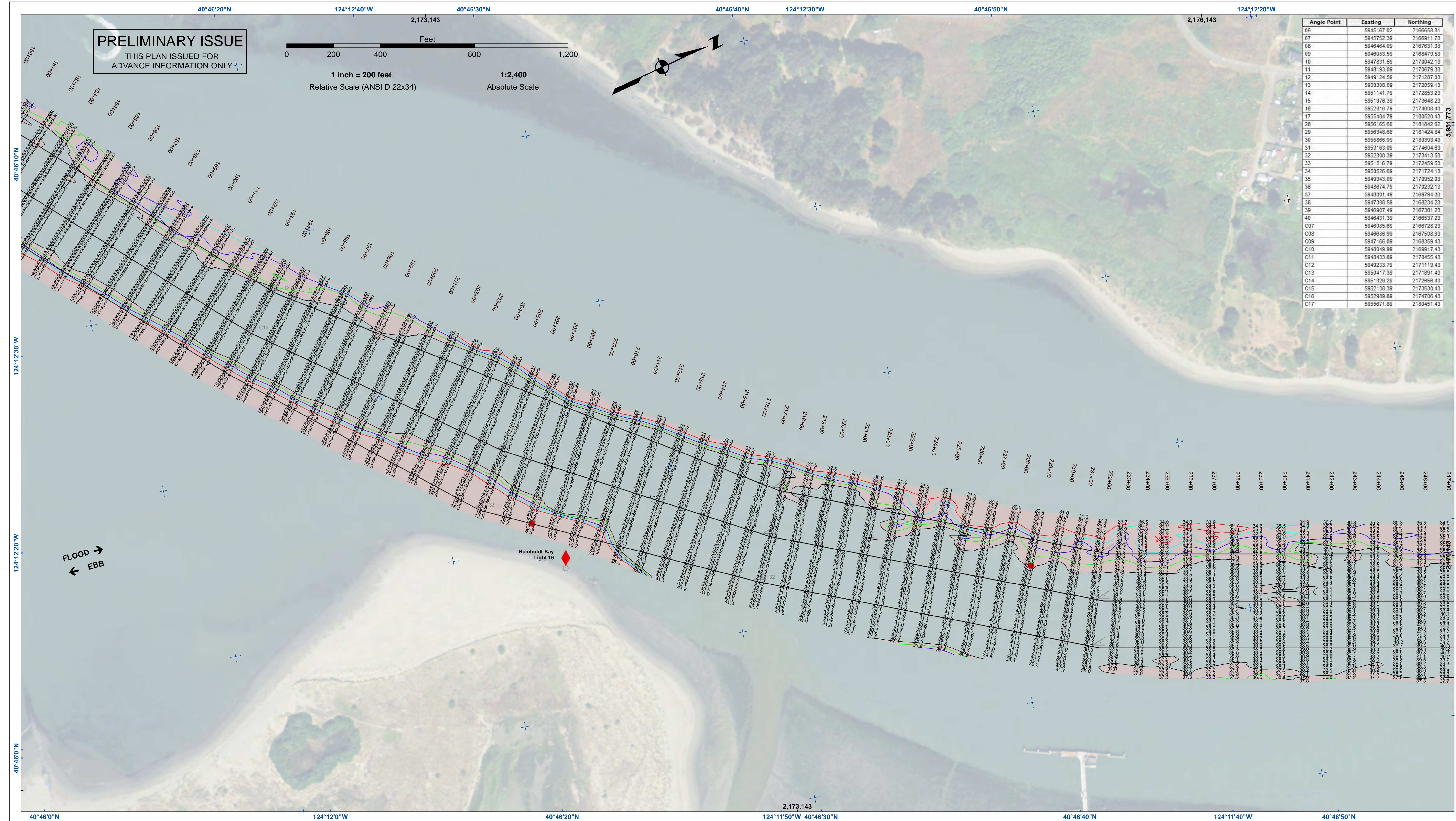


- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding\*
- Contours**
- 38
- 37
- 36
- 35
- 34

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 SURVEYED BY THE CORPS OF ENGINEERS.  
 SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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 18N, 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.  
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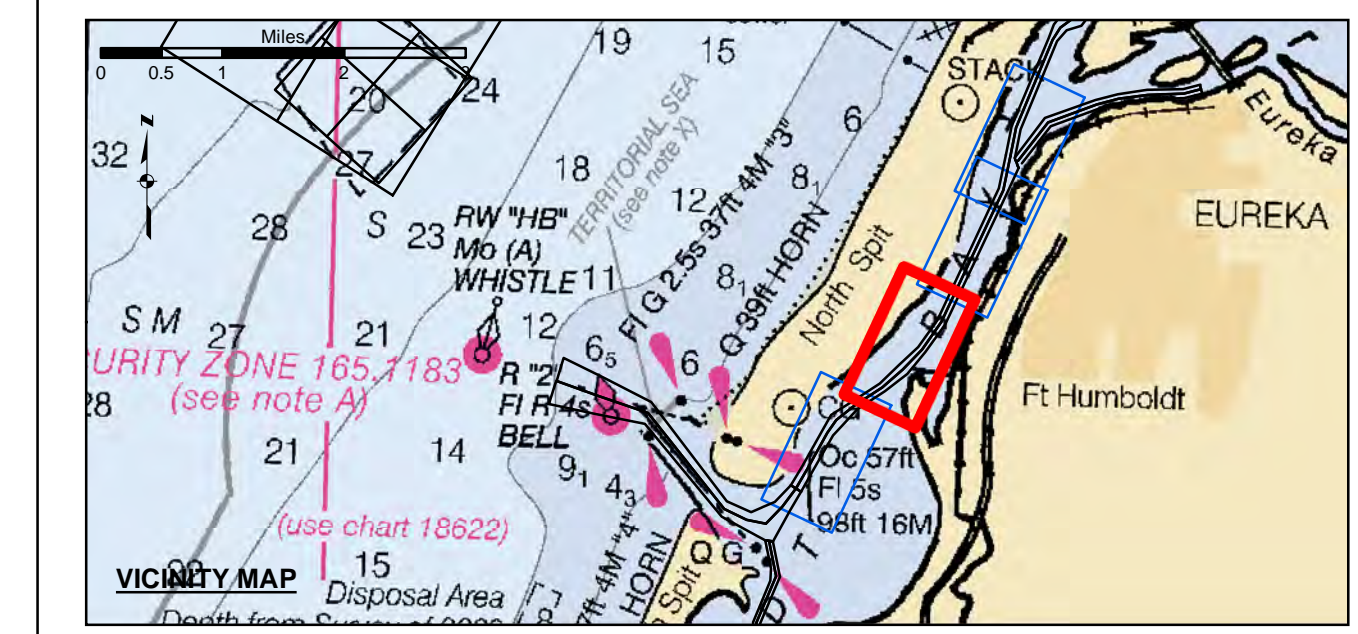
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Angle Point	Easting	Northing
06	5945167.02	2166658.81
07	5945752.39	2166911.73
08	5946464.09	2167631.33
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12	5949124.59	2171267.03
13	5950308.09	2172059.13
14	5951141.79	2172853.23
15	5951976.39	2173648.23
16	5952816.79	2174408.43
17	5953484.79	2175204.43
18	5954165.60	2176042.64
19	5954848.68	2176924.84
20	5955566.99	2177853.43
21	5956348.68	2178831.33
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40	5980463.59	2207217.13
C07	5946085.69	2166728.23
C08	5946686.99	2167508.93
C09	5947166.09	2168359.43
C10	5948049.99	2169271.43
C11	5949333.69	2170245.43
C12	5950233.79	2171179.43
C13	5950417.39	2171881.43
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Federal Navigation Channel	Beacon, General	<b>Contours</b>
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		

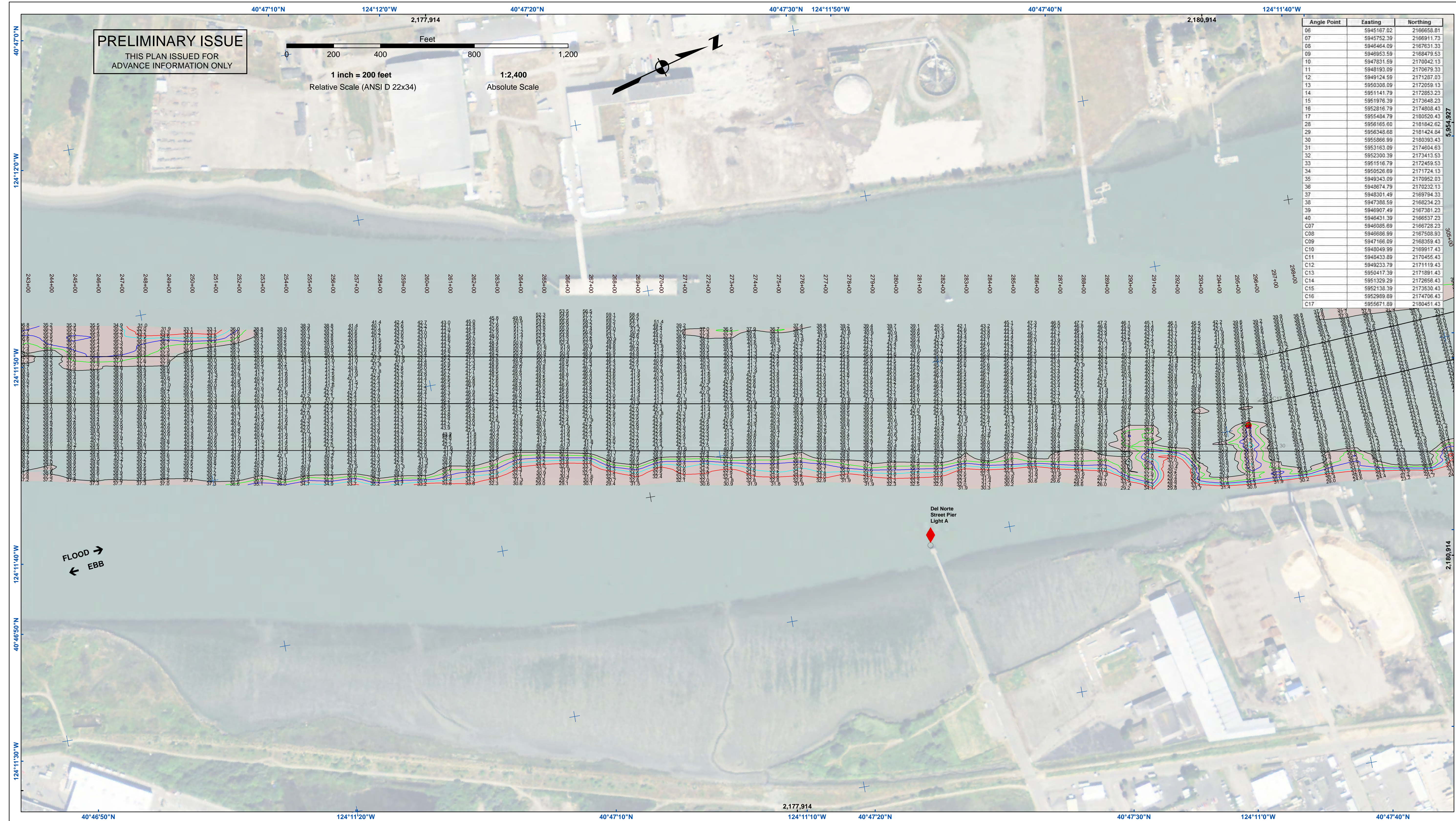
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Chart Date:	Jul 10, 2023	Designed by:	PDT	Drawn by:	PDT
Surveyed By:	LT COLONEL W. SHEBESTA	Plotted By:	PDT	Checked By:	PDT
Submitted:	Hydro Survey Team Leader	Recommended:	Chief, Hydro Survey Section	Approved:	Chief, Construction Branch

**HUMBOLDT COUNTY**  
**HUMBOLDT BAY**  
**NORTHBAY CHANNEL**  
**POST-DREDGE SURVEY**  
 29 JUNE - 01 JULY 2023

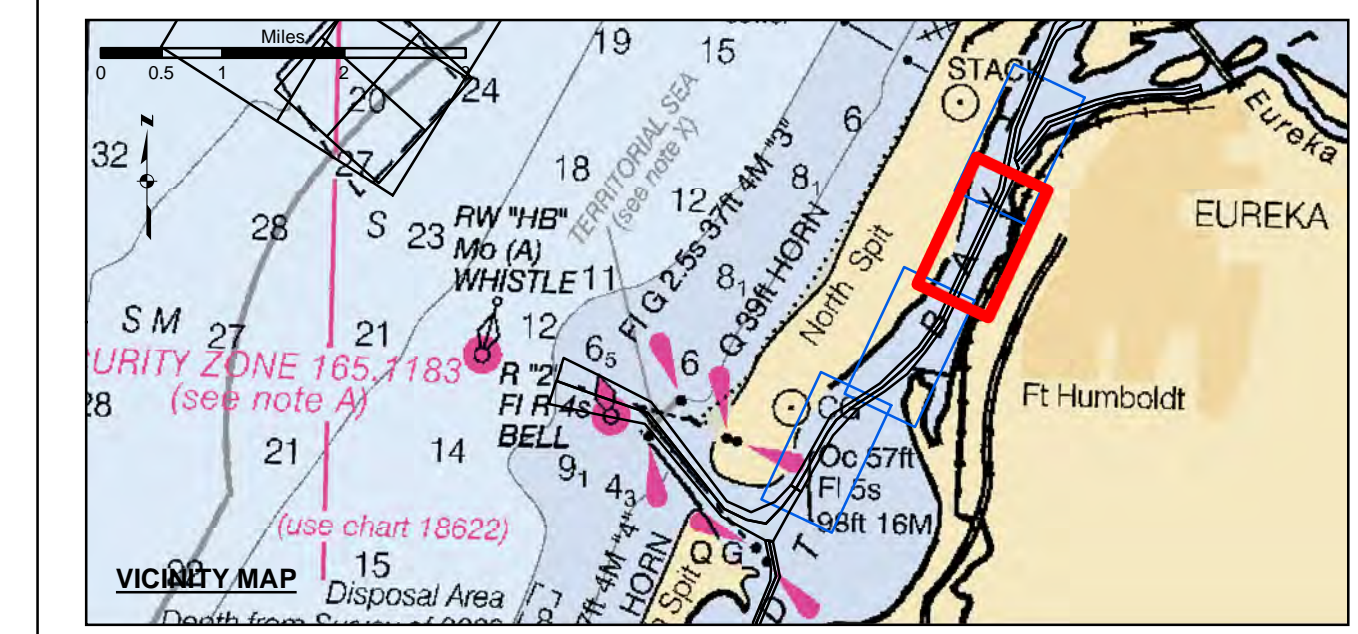
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19	5954848.68	2176924.64
20	5955586.99	2177843.43
21	5956348.68	2178804.63
22	5957120.39	2179813.53
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24	5958707.49	2181974.33
25	5959526.69	2183124.13
26	5960364.09	2184324.03
27	5961219.49	2185574.33
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31	5964796.49	2191074.23
32	5965728.49	2192574.23
33	5966675.49	2194124.23
34	5967637.49	2195724.23
35	5968615.49	2197374.23
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37	5970619.49	2200824.23
38	5971645.49	2202624.23
39	5972687.49	2204474.23
40	5973745.49	2206374.23
C07	5974819.49	2208324.23
C08	5975909.49	2210324.23
C09	5977015.49	2212374.23
C10	5978137.49	2214474.23
C11	5979275.49	2216624.23
C12	5980429.49	2218824.23
C13	5981599.49	2221074.23
C14	5982785.49	2223374.23
C15	5983987.49	2225724.23
C16	5985205.49	2228124.23
C17	5986439.49	2230574.23

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Shoaling Area	Obstruction Point	-38
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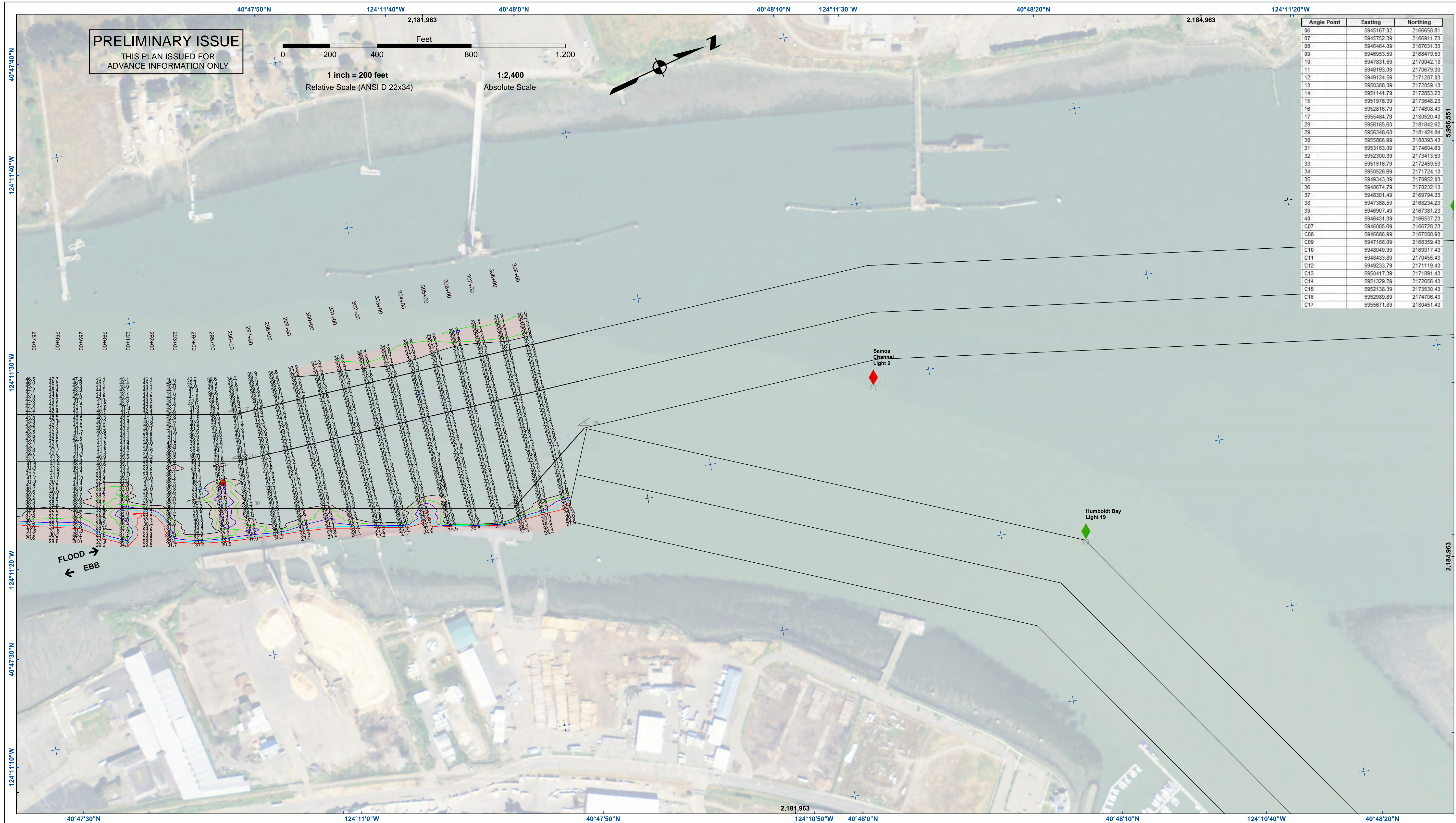
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Prepared Under the Direction of <b>LT COLONEL W. SHEBESTA</b>	Chart Date: Jul 10, 2023
Submittal: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Checked by: PDT
Approved: Chief, Construction Branch	Drawn by: PDT

**HUMBOLDT COUNTY**  
**HUMBOLDT BAY**  
**NORTHBAY CHANNEL**  
**POST-DREDGE SURVEY**  
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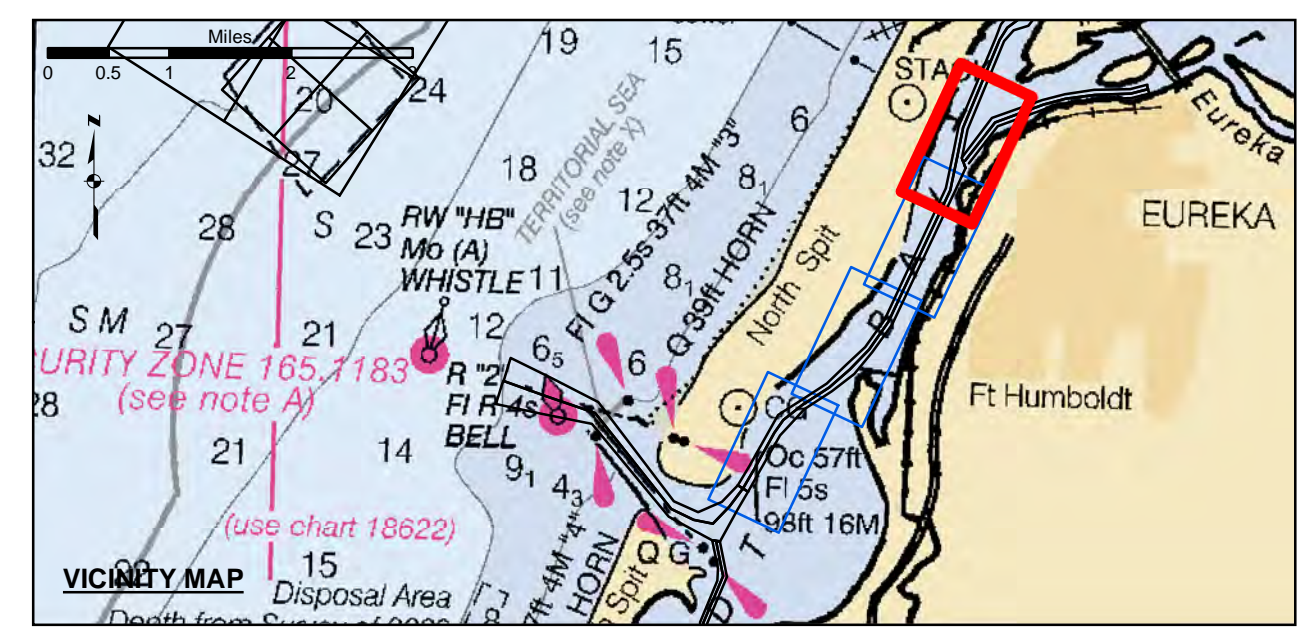
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Prepared Under the Direction of <b>TIMOTHY W. SHEBESTA</b> LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Jul 10, 2023
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	

HUMBOLDT COUNTY  
**HUMBOLDT BAY  
NORTH BAY CHANNEL  
POST-DREDGE SURVEY**  
29 JUNE - 01 JULY 2023



- Federal Navigation Channel
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