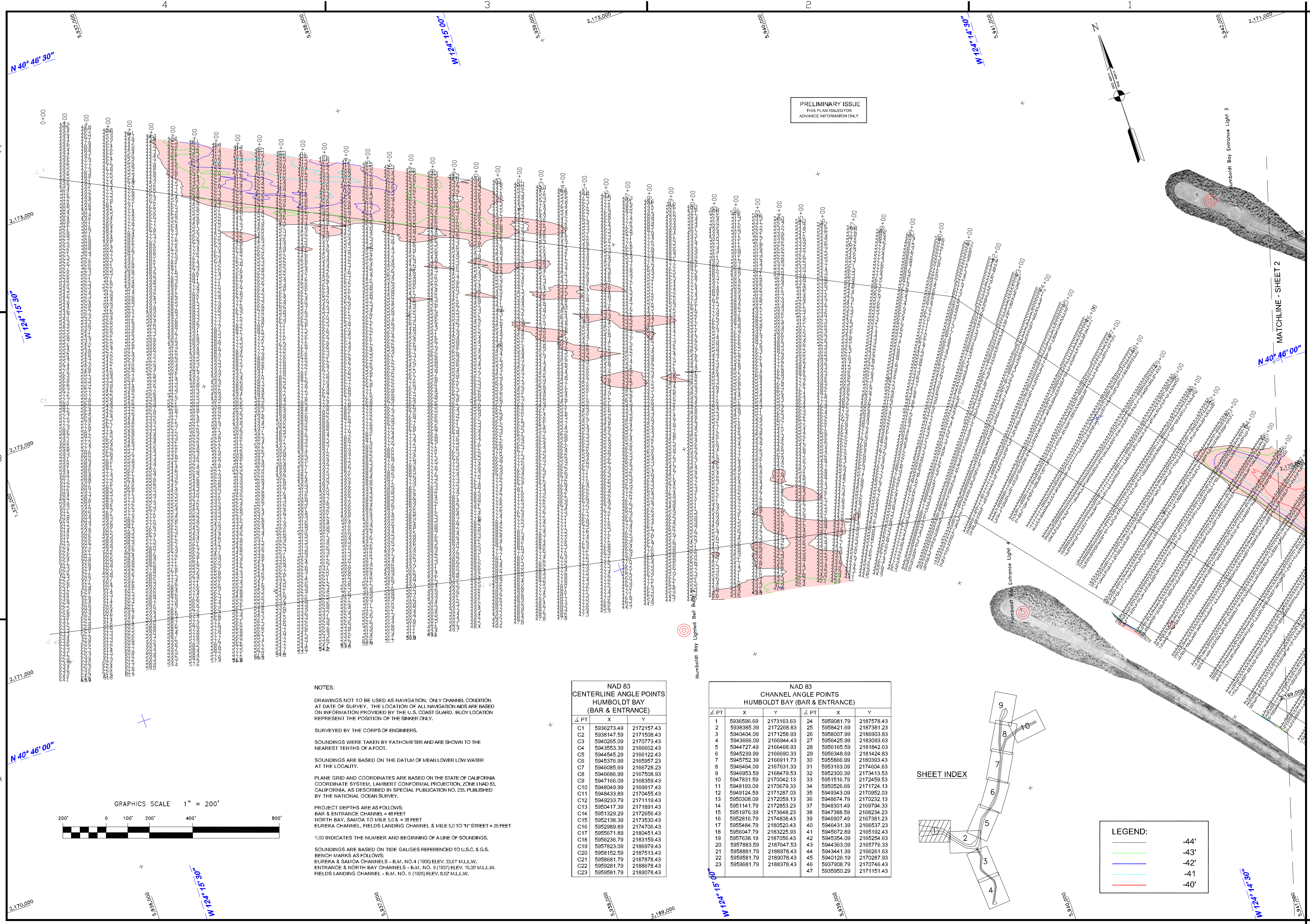


Mark	Description	Date	Appr.

DESIGNED BY:	PDI	CHECKED BY:	PDI	DRAWN BY:	PDI
DATE:	7/25/2014	SHEET NO.:	1 OF 10	DRAWING NO.:	X XXX
APPROVAL RECOMMENDED:		PREPARED UNDER THE DIRECTION OF:	JOHN C. MORROW		
APPROVED:			LT. COLONEL C.E., DISTRICT ENGINEER		

HUMBOLDT COUNTY CALIFORNIA
HUMBOLDT BAY BAR & ENTRANCE
POSTDRIDGE SURVEY
21 JULY 2014

Sheet reference number
C1



PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY

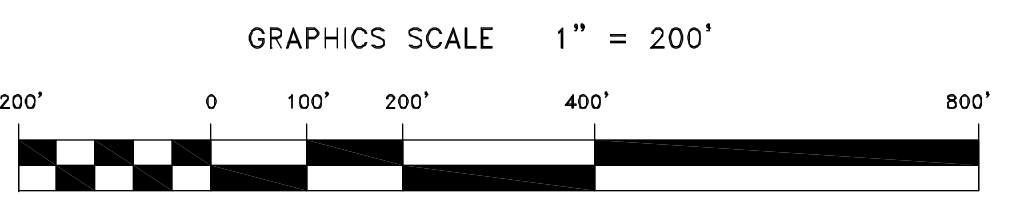
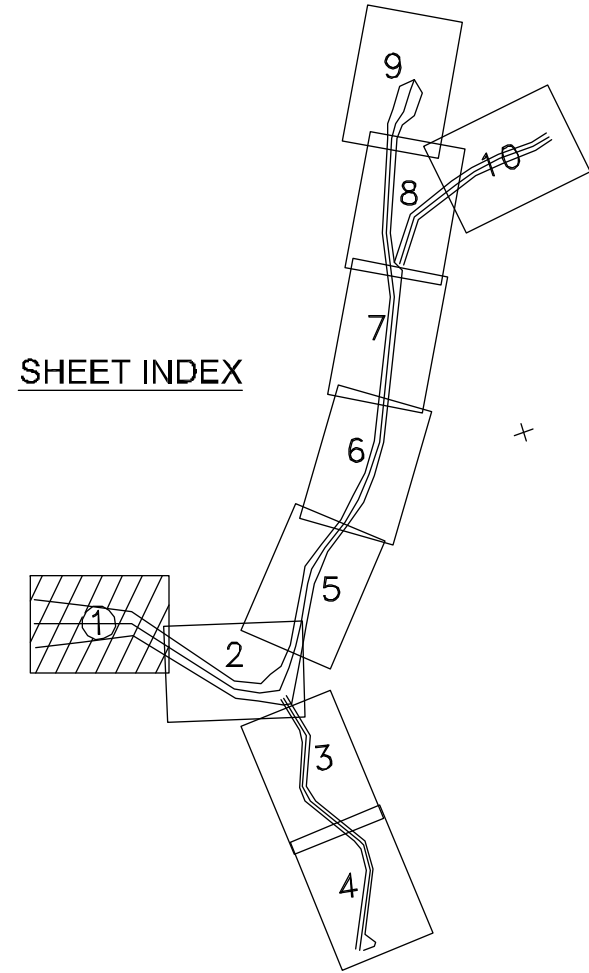
NOTES:
DRAWINGS NOT TO BE USED AS NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY. THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST GUARD. BUOY LOCATION REPRESENT THE POSITION OF THE SINKER ONLY.
SURVEYED BY THE CORPS OF ENGINEERS.
SOUNDINGS WERE TAKEN BY FATHOMETER 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 17N, 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 & SAMOIA CHANNELS - B.M. NO. 4 (1906) ELEV. 33.61' M.L.L.W.
ENTRANCE & NORTH BAY CHANNELS - B.M. NO. 8 (1937) ELEV. 16.29' M.L.L.W.
FIELDS LANDING CHANNEL - B.M. NO. 5 (1925) ELEV. 8.52' M.L.L.W.

NAD 83 CENTERLINE ANGLE POINTS HUMBOLDT BAY (BAR & ENTRANCE)

Δ PT	X	Y
C1	5936273.49	2172157.43
C2	5938147.59	2171508.43
C3	5940265.09	2170773.43
C4	5943553.39	2166022.43
C5	5944545.29	2166122.43
C6	5945376.93	2185657.23
C7	5946085.69	2166728.23
C8	5946686.99	2167508.93
C9	5947166.09	2168359.43
C10	5948049.99	2169917.43
C11	5948433.89	2170455.43
C12	5949233.79	2171119.43
C13	5950417.38	2171891.43
C14	5951329.29	2172656.43
C15	5952138.39	2173530.43
C16	5952989.89	2174706.43
C17	5955671.89	2180451.43
C18	5956236.79	2183159.43
C19	5957823.09	2186979.43
C20	5958152.59	2187513.43
C21	5958681.79	2187878.43
C22	5959281.79	2188678.43
C23	5959581.79	2189078.43

NAD 83 CHANNEL ANGLE POINTS HUMBOLDT BAY (BAR & ENTRANCE)

Δ PT	X	Y	Δ PT	X	Y
1	5936596.69	2173163.63	24	5959081.79	2187576.43
2	5938385.39	2172268.83	25	5958421.69	2187381.23
3	5940404.09	2171258.93	26	5958007.99	2186903.83
4	5943686.09	2168944.43	27	5956425.99	2183093.63
5	5944545.29	2166458.93	28	5955165.59	2181942.63
6	5945239.93	2166690.33	29	5956348.69	2181424.93
7	5945752.39	2166911.73	30	5955866.99	2180393.43
8	5946464.09	2167631.33	31	5955163.09	2174604.63
9	5946953.59	2168479.53	32	5952300.39	2173413.53
10	5947831.59	2170042.13	33	5951516.79	2172459.53
11	5948193.09	2170679.33	34	5950526.69	2171724.13
12	5949124.69	2171287.03	35	5949843.09	2170952.03
13	5950398.09	2172059.13	36	5948774.79	2170232.13
14	5951141.79	2172853.23	37	5948301.49	2169794.33
15	5951976.39	2173648.23	38	5947388.59	2168234.23
16	5952816.79	2174808.43	39	5946907.49	2167381.23
17	5953484.79	2180520.43	40	5946431.39	2166537.23
18	5956047.79	2183225.93	41	5945672.89	2165192.43
19	5957638.19	2187956.43	42	5945354.09	2162554.63
20	5957868.59	2187671.53	43	5944968.09	2161576.33
21	5958681.79	2188978.43	44	5944441.39	2162613.63
22	5959581.79	2189078.43	45	5944126.19	2170287.93
23	5959681.79	2189378.43	46	5937908.79	2170746.43
			47	5935950.29	2171151.43



LEGEND:

—	-44'
—	-43'
—	-42'
—	-41'
—	-40'