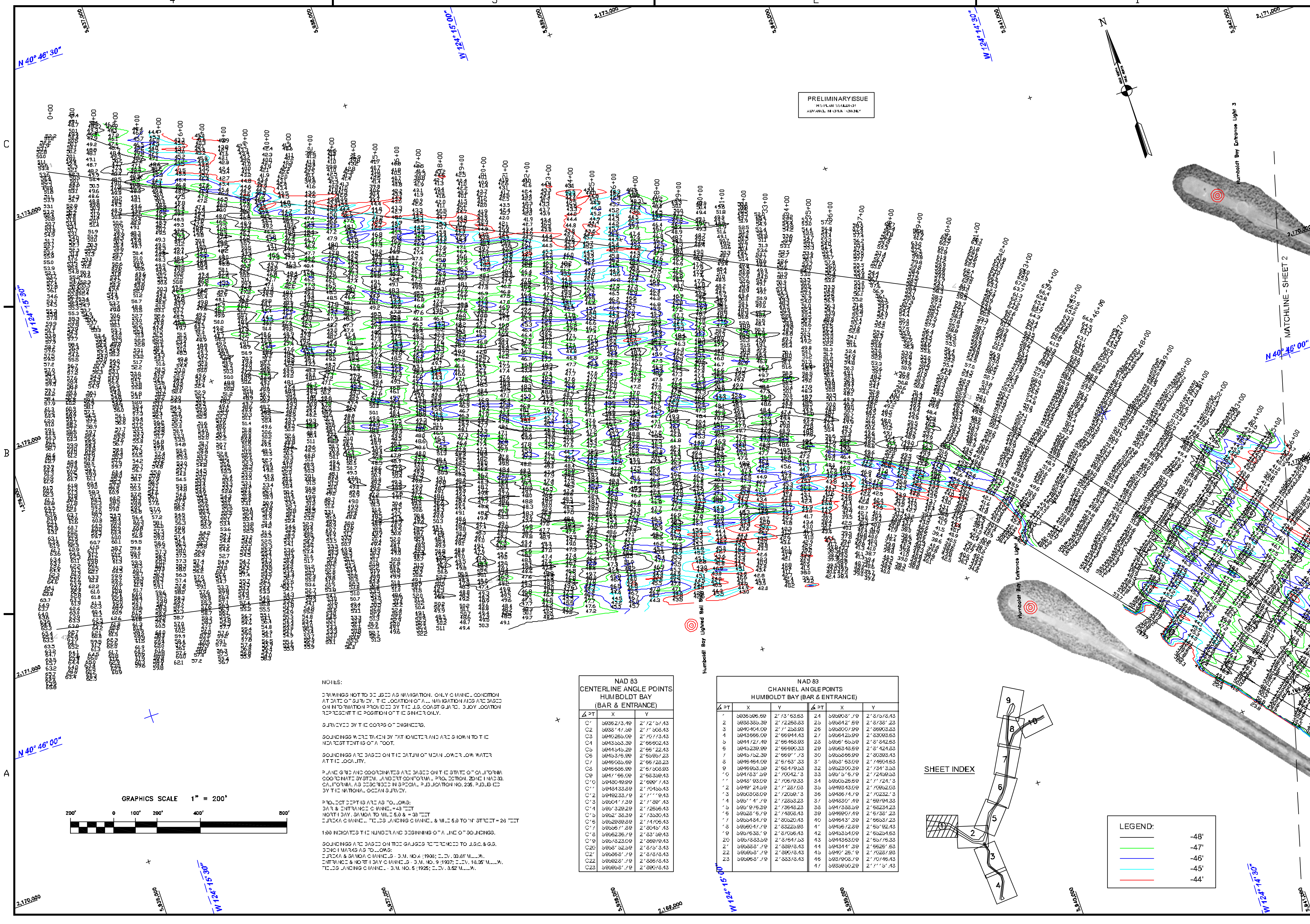


DESIGNED BY:	DATE:	5/20/2013	SHEET NO.:	1 OF 10	X	XXX
DRAWN BY:	DATE:		SHEET NO.:			
PREPARED UNDER THE DIRECTION OF:	JOHN K. BAKER					
APPROVED:	LT. COLONEL, C.E., DISTRICT ENGINEER					
MARK:	DESCRIPTION:	DATE:	APPR.			

SUBMITTED:	PDT	DESIGNED BY:	PDI
Hydro Survey Team Leader		DATE:	5/20/2013
APPROVAL RECOMMENDED:		SHEET NO.:	1 OF 10
CHIEF, Field Survey Branch		DATE:	
APPROVED:		PREPARED UNDER THE DIRECTION OF:	JOHN K. BAKER
CHIEF, Construction Branch		DATE:	

HUMBOLDT COUNTY  
CALIFORNIA  
HUMBOLDT BAY  
BAR & ENTRANCE  
POSTIDREDEG SURVEY  
14-15 MAY 2013

Sheet reference number  
C1



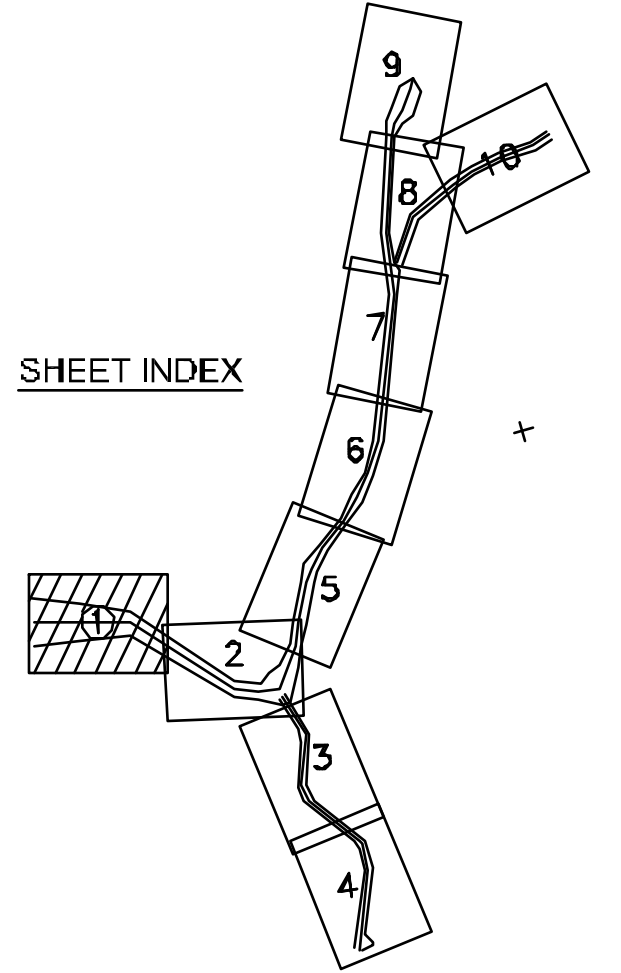
NOTES:  
DRAWINGS NOT TO BE USED AS NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY. THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST & GEOD. SURV. LOCATION REPRESENTS THE POSITION OF THE SINKER ONLY.  
SURVEYED BY THE CORPS OF ENGINEERS.  
SOUNDINGS WERE TAKEN BY FATHOMETERS AND ARE SHOWN TO THE NEAREST TENTH 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 14N, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 236, PUBLISHED BY THE NATIONAL OCEANIC SURVEY.  
PROJECT DEPTHS ARE AS FOLLOWS:  
BAR & ENTRANCE CHANNEL - 48 FEET  
NORTH BAY, SAMOIA TO MILE 5.0 & 30 FEET  
JEREA CHANNEL, TELDS LANDING CHANNEL, & MILE 5.0 TO 'N' STREET - 20 FEET  
100 INDICATES THE NUMBER AND BEGINNING OF A LINE OF SOUNDINGS.  
SOUNDINGS ARE BASED ON TIDE GAUGES REFERENCED TO I.S.C. & G.S. SOUNDING MARKS AS FOLLOWS:  
JEREA & SAMOIA CHANNELS - 3 M, NO. 1900; I.C.V. 39.81 M.L.W.  
TELDS LANDING CHANNEL - 3 M, NO. 918; I.C.V. 39.81 M.L.W.  
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TELDS LANDING CHANNEL - 3 M, NO. 918; I.C.V. 39.81 M.L.W.

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

Δ PT	X	Y
01	589523.19	217257.43
02	589371.99	217308.43
03	589285.09	217373.43
04	589333.39	217502.43
05	589459.29	217522.43
06	589337.99	217597.23
07	589505.99	217523.23
08	589595.99	217538.99
09	589175.99	217538.43
10	589304.99	217597.43
11	589433.39	217538.43
12	589333.39	217522.43
13	589547.29	217597.43
14	589329.29	217295.43
15	589273.29	217335.43
16	589299.29	217475.43
17	589567.29	217545.43
18	589623.29	217597.43
19	589723.29	217597.43
20	589837.29	217597.43
21	589937.29	217597.43
22	589937.29	217597.43
23	589937.29	217597.43

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

Δ PT	X	Y	Δ PT	X	Y
1	589505.99	217373.43	24	589937.29	217578.43
2	589335.39	217225.43	25	589847.29	217538.43
3	589470.49	217238.43	26	589807.99	217597.43
4	589335.39	217597.43	27	589847.29	217597.43
5	589470.49	217522.43	28	589847.29	217597.43
6	589335.39	217597.43	29	589847.29	217597.43
7	589470.49	217597.43	30	589847.29	217597.43
8	589470.49	217597.43	31	589847.29	217597.43
9	589470.49	217597.43	32	589847.29	217597.43
10	589470.49	217597.43	33	589847.29	217597.43
11	589470.49	217597.43	34	589847.29	217597.43
12	589470.49	217597.43	35	589847.29	217597.43
13	589470.49	217597.43	36	589847.29	217597.43
14	589470.49	217597.43	37	589847.29	217597.43
15	589470.49	217597.43	38	589847.29	217597.43
16	589470.49	217597.43	39	589847.29	217597.43
17	589470.49	217597.43	40	589847.29	217597.43
18	589470.49	217597.43	41	589847.29	217597.43
19	589470.49	217597.43	42	589847.29	217597.43
20	589470.49	217597.43	43	589847.29	217597.43
21	589470.49	217597.43	44	589847.29	217597.43
22	589470.49	217597.43	45	589847.29	217597.43
23	589470.49	217597.43	46	589847.29	217597.43
24	589470.49	217597.43	47	589847.29	217597.43



LEGEND:

—	-48'
—	-47'
—	-46'
—	-45'
—	-44'

