

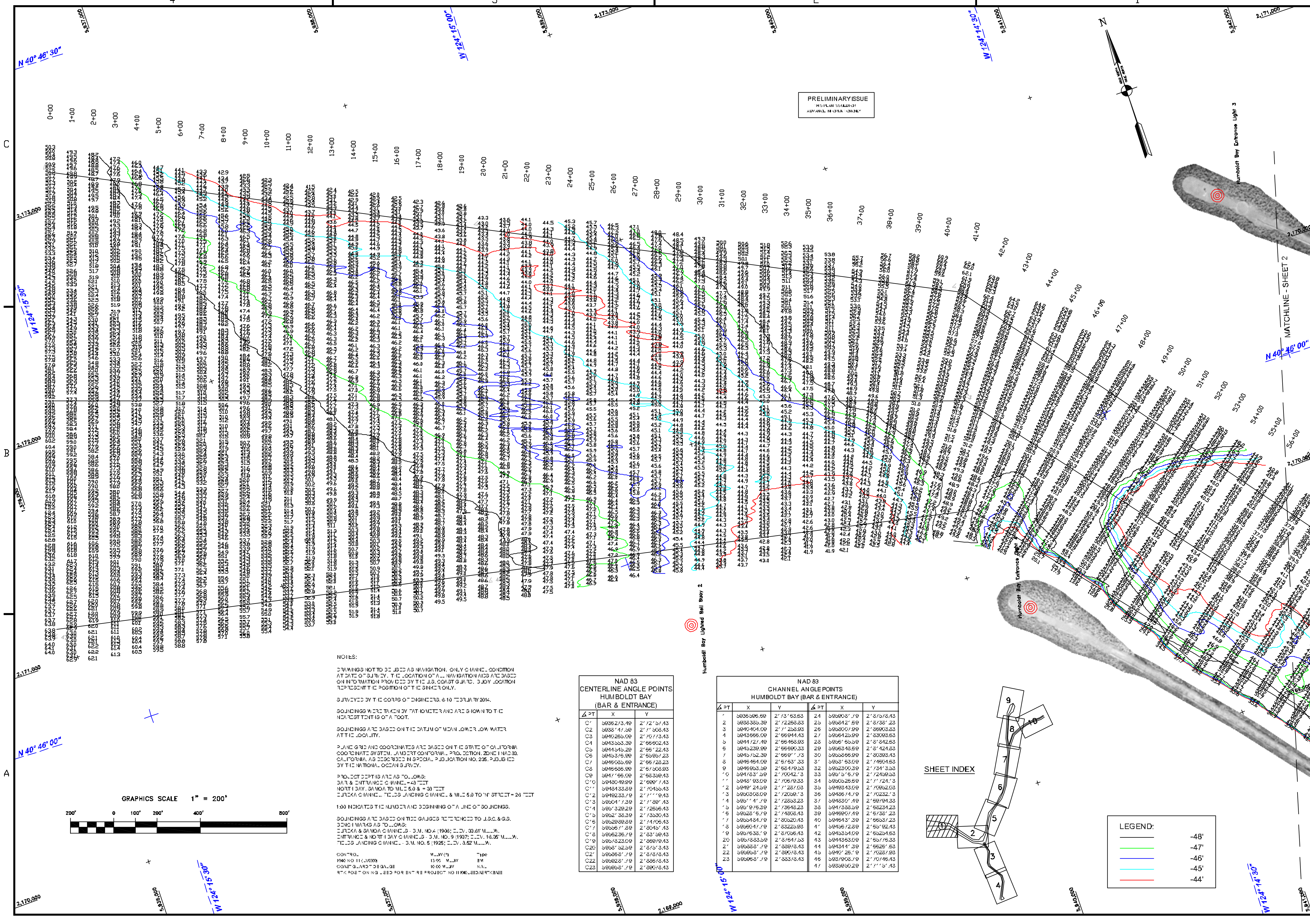
Mark	Description	Date	Appr.

DESIGNED BY:	DATE:	DESIGNED BY:	DATE:
PDI	2/13/2014	PDI	2/13/2014
SHEET NO.:	1 OF 10	SHEET NO.:	1 OF 10
DRAWING NO.:	X	DRAWING NO.:	X
APPROVAL RECOMMENDED:	X	APPROVAL RECOMMENDED:	XXX

SUBMITTED:	PDI	DATE:	2/13/2014
DESIGNED BY:	PDI	DATE:	2/13/2014
DRAWN BY:	PDI	DATE:	2/13/2014
PREPARED UNDER THE DIRECTION OF:	JOHN K. BAKER		
APPROVED:	LT. COLONEL, C.E., DISTRICT ENGINEER		

HUMBOLDT COUNTY
CALIFORNIA
**HUMBOLDT BAY
BAR & ENTRANCE
CONDITION SURVEY**
6-10 FEBRUARY 2014

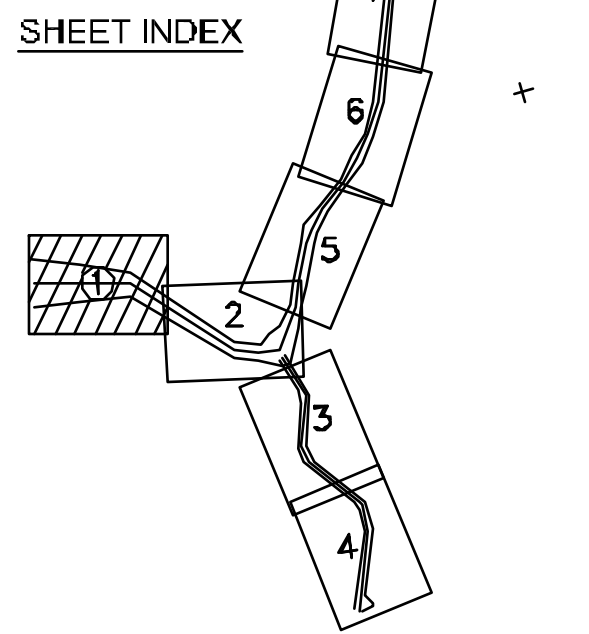
Sheet reference number
C1



PRELIMINARY ISSUE
REVISIONS: 001
ADDITIONAL SHEETS: 001

LEGEND:

(Red line)	-48'
(Green line)	-47'
(Blue line)	-46'
(Cyan line)	-45'
(Magenta line)	-44'



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

Δ PT	X	Y
C1	589523.19	217257.43
C2	589371.99	217103.43
C3	589285.09	217013.43
C4	589333.39	216922.43
C5	589459.29	216832.43
C6	589375.99	216742.43
C7	589459.99	216652.43
C8	589459.99	216562.43
C9	589175.99	216472.43
C10	589204.99	216382.43
C11	589433.39	216292.43
C12	589333.19	216202.43
C13	589471.29	216112.43
C14	589329.29	216022.43
C15	589273.29	215932.43
C16	589238.29	215842.43
C17	589267.29	215752.43
C18	589236.79	215662.43
C19	589122.09	215572.43
C20	589312.39	215482.43
C21	589267.79	215392.43
C22	589267.79	215302.43
C23	589267.79	215212.43

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

Δ PT	X	Y	Δ PT	X	Y
1	589559.99	217363.63	24	589902.79	216778.43
2	589325.29	217225.63	25	589842.79	216688.43
3	589404.09	217125.63	26	589807.99	216598.43
4	589355.09	216994.43	27	589825.99	216508.43
5	589423.99	216865.43	28	589853.99	216418.43
6	589452.99	216736.43	29	589881.99	216328.43
7	589452.99	216607.43	30	589909.99	216238.43
8	589454.09	216478.43	31	589937.99	216148.43
9	589459.99	216349.43	32	589965.99	216058.43
10	589483.79	216220.43	33	589993.99	215968.43
11	589483.79	216091.43	34	590021.99	215878.43
12	589483.79	215962.43	35	590049.99	215788.43
13	589483.79	215833.43	36	590077.99	215698.43
14	589483.79	215704.43	37	590105.99	215608.43
15	589483.79	215575.43	38	590133.99	215518.43
16	589483.79	215446.43	39	590161.99	215428.43
17	589483.79	215317.43	40	590189.99	215338.43
18	589483.79	215188.43	41	590217.99	215248.43
19	589483.79	215059.43	42	590245.99	215158.43
20	589483.79	214930.43	43	590273.99	215068.43
21	589483.79	214801.43	44	590301.99	214978.43
22	589483.79	214672.43	45	590329.99	214888.43
23	589483.79	214543.43	46	590357.99	214798.43
24	589483.79	214414.43	47	590385.99	214708.43

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 BUOY ONLY.
SURVEYED BY THE CORPS OF ENGINEERS, 8-10 FEBRUARY 2014.
SOUNDINGS WERE TAKEN BY WATSON AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT.
SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCATION.
PLANE GRID AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL, PROJECTION, ZONE 11 NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 295, PUBLISHED BY THE NATIONAL OCEANIC SURVEY.
PROBABLE DEPTHS ARE AS FOLLOWS:
BAR & ENTRANCE CHANNEL - 40 FEET
NORTH BAY, SAMOA TO MILE 5.0 & 30 FEET
EUREKA CHANNEL - TIDE GAUGING 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 J.S.C. & G.S. 2 TIDE MARKS TO TIDE GAUGES:
EUREKA & SAMOA CHANNEL - S.M. NO. 4-1908; I.L.V. 30.81 M.L.W.
ENTRANCE & NORTH BAY CHANNEL - S.M. NO. 9-1907; I.L.V. 18.35 M.L.W.
TIDE GAUGING CHANNEL - S.M. NO. 5-1928; I.L.V. 3.82 M.L.W.
CONTROL M.L.W. (M) Type
1940 NORTH BAY Channel 13.95 M.L.W. B
COAST & GEOD. SURV. 10.66 M.L.W. N.A.
RTK POSITIONING USED FOR ENTIRE PROJECT. NO II KML USED ANYWHERE.

