

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, 05 MAR 2011 - THESS ANDING 12, 58 MAR 2011 - BAR & ENTRANCE, NORTH BAY 03 MAR 2011 - SAVONA & JURKA

SOUNDINGS WERE TAKEN BY FATHOMETER 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 COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, ANSERT CONFORMAL PROJECTION, ZONE 1 NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 236, PUBLISHED BY THE NATIONAL OCEANIC SURVEY.

PROJECT DETAILS ARE AS FOLLOWS:  
 BAR & ENTRANCE CHANNEL - 43 FEET  
 NORTH BAY, SAVONA TO MILE 5.0 & 0.9 FEET  
 JURKA CHANNEL - THESS ANDING CHANNEL - MILE 6.0 TO 'N' STREET - 28 FEET

100 INDICATES THE NUMBER AND BEGINNING OF A LINE OF SOUNDINGS.

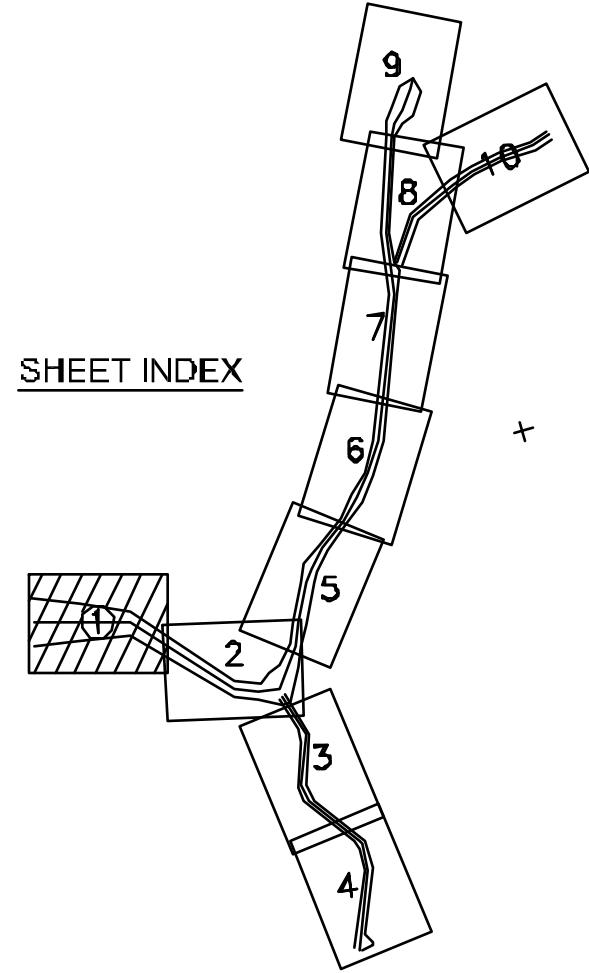
SOUNDINGS ARE BASED ON THE GAUGES REFERENCED TO J.S.C. & G.S. BENCH MARKS AS FOLLOWS:  
 JURKA & SAVONA CHANNELS - S.M. NO. 4-1901; I.V. 3381 M.L.W.  
 ENTRANCE & NORTH BAY CHANNELS - S.M. NO. 9-1907; I.V. 1835 M.L.W.  
 THESS ANDING CHANNEL - S.M. NO. 5-1905; I.V. 352 M.L.W.

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

Δ PT	X	Y
01	589523.19	217257.43
02	589371.99	217103.43
03	589285.09	217073.43
04	589333.39	216922.43
05	589198.29	216822.43
06	589337.99	216987.23
07	589595.99	216725.23
08	589595.99	216733.93
09	589175.99	216839.43
10	589049.99	216907.43
11	589433.39	217433.43
12	589333.39	217119.43
13	589247.29	217139.43
14	589129.29	217295.43
15	589238.29	217339.43
16	589299.29	217475.43
17	589367.29	219457.43
18	589629.29	218359.43
19	589533.29	217119.43
20	589722.29	219997.43
21	589587.29	218734.43
22	589687.29	218734.43
23	589687.29	218978.43

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

Δ PT	X	Y	Δ PT	X	Y
1	589595.99	217363.63	24	589903.79	218797.43
2	589333.39	217225.63	25	589842.79	218738.23
3	589404.09	217238.63	26	589807.99	218903.63
4	589355.09	216911.43	27	589811.43	218903.63
5	589422.49	216858.63	28	589875.99	218742.63
6	589329.09	216699.63	29	589834.99	218742.63
7	589452.99	216697.73	30	589855.99	218739.43
8	589464.09	216753.33	31	589875.99	217494.63
9	589595.99	216817.93	32	589820.39	217347.33
10	589783.79	217004.23	33	589875.99	217245.93
11	589875.99	217059.23	34	589855.99	217121.73
12	589875.99	217287.33	35	589894.99	217082.33
13	589833.39	217259.73	36	589875.99	217022.73
14	589875.99	217233.33	37	589830.79	216979.43
15	589875.99	217358.23	38	589833.39	216824.23
16	589828.79	217483.43	39	589897.19	216738.23
17	589842.79	218020.43	40	589847.29	216637.23
18	589847.29	218225.93	41	589875.99	216592.43
19	589875.99	218395.43	42	589834.99	216524.63
20	589833.39	218781.63	43	589833.39	216517.93
21	589828.79	218997.43	44	589847.29	216287.63
22	589867.79	218978.43	45	589875.99	216287.63
23	589867.79	218837.43	46	589894.99	216145.43
			47	589895.29	216117.43



LEGEND:

—	-48'
—	-47'
—	-46'
—	-45'
—	-44'

US Army Corps of Engineers  
San Francisco District  
1455 Market Street  
San Francisco, CA 94103

DESIGNED BY: PDI  
CHECKED BY: PDI  
DATE: 3/7/2010  
SHEET NO.: 1 OF 10  
DRAWING NO.: X XXX

APPROVAL RECOMMENDED:  
CHIEF, Geomatics Support Section  
APPROVED: TORREY A. DICIRO  
LT. COLONEL, C.E., DISTRICT ENGINEER

HUMBOLDT COUNTY CALIFORNIA

**HUMBOLDT BAY  
BAR & ENTRANCE  
CONDITION SURVEY**

1-2, 3-6 MARCH 2011

APPROVAL

Mark	Description	Date	Appr.

PRELIMINARY ISSUE  
REVISIONS: NONE  
ADVANCE IN CHARGE: NONE

Sheet reference number  
**C1**