PRELIMINARY ISSUE
THIS PLAN ISSUED FOR ADVANCE INFORMATION ONLY

US Army Corps of Engineers
San Francisco District
333 Market Street
San Francisco, CA 94105

Mark	Description	Date	Appr.

SUBMITTED: TVW — Hydro Survey Section
APPROVAL RECOMMENDED: — Chief, Engineering Branch
APPROVED: — Chief, Engineering Technical & Services Br.

DESIGNED BY: TVW
DATE: 1/16/2003
CHECKED BY: PC
DRAWN BY: EWC
SHEET NO. 1 OF 10
DRAWING NO. 5
2
306

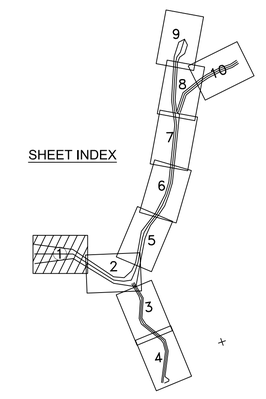
PREPARED UNDER THE DIRECTION OF
MICHAEL McCORMICK
LT. COLONEL, C.E., DISTRICT ENGINEER

CALIFORNIA
HUMBOLDT COUNTY

HUMBOLDT BAY
BAR & ENTRANCE
CONDITION SURVEY
4–18 DECEMBER & 3,4,8 JANUARY 2003

MATCHLINE - SHEET 2

SHEET INDEX



GRAPHICS SCALE 1" = 200'

200' 0 100' 200' 400' 800'

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 GUARD. BUOY LOCATION REPRESENT THE POSITION OF THE SINKER ONLY.

SURVEYED BY THE CORPS OF ENGINEERS, (SACRAMENTO DISTRICT).

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 LAMBERT PROJECTION, ZONE I NAD83, 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, SAMOA TO MILE 5.0 & EUREKA CHANNEL = 38 FEET
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 & SAMOA CHANNELS - B.M. NO.4 (1906) ELEV. 33.61' M.L.L.W.
ENTRANCE & NORTH BAY CHANNELS - B.M. NO. 9 (1937) ELEV. 16.35' M.L.L.W.
FIELDS LANDING CHANNEL - B.M. NO. 5 (1925) ELEV. 8.52' M.L.L.W.

NAD 83
CENTERLINE ANGLE POINTS

∠ PT	X	Y
C1	5936273.49	2172157.43
C2	5938147.59	2171508.43
C3	5940265.09	2170773.43
C4	5943553.39	2166802.43
C5	5944545.29	2166122.43
C6	5945376.99	2165957.23
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	5950417.39	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	2187875.43
C22	5959281.79	2188678.43
C23	5959581.79	2189078.43

NAD 83
CHANNEL ANGLE POINTS

∠ PT	X	Y
1	5936596.69	2173163.63
2	5938385.39	2172268.83
3	5940404.09	2171258.93
4	5943666.09	2166944.43
5	5944727.49	2166468.93
6	5945239.99	2166690.33
7	5945752.39	2166911.73
8	5946464.09	2167631.33
9	5946953.59	2168479.53
10	5947831.59	2170042.13
11	5948193.09	2170679.33
12	5949124.59	2171287.03
13	5950308.09	2172059.13
14	5951141.79	2172853.23
15	5951976.39	2173648.23
16	5952816.79	2174808.43
17	5955484.79	2180520.43
18	5956047.79	2183225.93
19	5957638.19	2187056.43
20	5957883.59	2187647.53
21	5958881.79	2188978.43
22	5959581.79	2189078.43
23	5959681.79	2188378.43
24	5959081.79	2187578.43
25	5958421.69	2187381.23
26	5958007.99	2186903.83
27	5956425.99	2183093.63
28	5956165.59	2181842.63
29	5956348.69	2181424.83
30	5955866.99	2180393.43
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
41	5945672.89	2165192.43
42	5945354.09	2165254.63
43	5944363.09	2165776.33
44	5943441.39	2166261.63
45	5940126.19	2170287.93
46	5937908.79	2170746.43
47	5935950.29	2171151.43