PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY

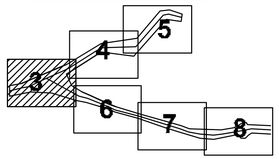
OUTER HARBOR

MATCH LINE SHEET – 4

MATCH LINE SHEET – 6

BEGIN OF PROJECT

SHEET INDEX



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 LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.

SURVEYED BY THE CORPS OF ENGINEERS

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. NGVD 1929

VERTICAL CONTROL
OUTER HARBOR
STATIONS 0+00 – 89+25. TIDE GAUGE LOCATED AT BERTH 140 OAKLAND MIDDLE HARBOR
BENCHMARK MON 477A 1994 ELEV. 10.87 FT. M.L.W.

STATIONS 89+25 – 173+00. TIDE GAUGE LOCATED AT OAKLAND ARMY BASE PIER 7.
BENCHMARK MON IL 183 ELEV. 14.00 FT. M.L.W.

INNER HARBOR
STATIONS 545+ – 119+00. TIDE GAUGE LOCATED AT BERTH 140 OAKLAND MIDDLE HARBOR
BENCHMARK MON 477A 1994 ELEV. 10.87 FT. M.L.W.

STATIONS 90+00 – 173+00. TIDE GAUGE LOCATED AT ALAMEDA NAS FUEL PIER
BENCHMARK 47487A 1994 ELEV. 9.08 FT. M.L.W.

STATIONS 173+00 – 208+00. TIDE GAUGE LOCATED AT OAKLAND INNER HARBOR OAKLAND FIRE DEPT. STATION 2.
BENCHMARK MON PORT 1 1998 ELEV. 9.82 FT. M.L.W.

HORIZONTAL GPS CONTROL
COAST GUARD BEACON

PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION ZONE III NAD 83, CALIFORNIA
AS DESCRIBED IN SPECIAL PUBLICATION NO. 235. PUBLISHED BY THE NATIONAL OCEAN SURVEY.

PROJECT DEPTH OF OUTER HARBOR IS 42 FEET. PROJECT OF INNER HARBOR TO PARK STREET BRIDGE
IS 42 FEET. TIDAL CANAL PROJECT DEPTH IS 25 FEET.

GRAPHICS SCALE 1" = 200'

200' 0 100' 200' 400' 800'

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

Mark	Description	Date	Appr.

DESIGNED BY: PC	CHECKED BY: TVW	DRAWN BY: EWC	
DATE: 9/26/2003	SHEET NO. 3 OF 8	DRAWING NO. 2 2 344	
SUBMITTED: Hydro Survey Section APPROVAL RECOMMENDED: Chief, Engineering Branch APPROVED: Chief, Engineering Technical & Services Div.	PREPARED UNDER THE DIRECTION OF MICHAEL McCORMICK LT. COLONEL, C.E., DISTRICT ENGINEER		

ALAMEDA COUNTY CALIFORNIA

OAKLAND INNER & OUTER HARBOR

PREDREDGE SURVEY
5–8 AUGUST AND 4&11 SEPTEMBER
12, 16, 18, 23–24 SEPTEMBER 2003

Sheet reference number
C3