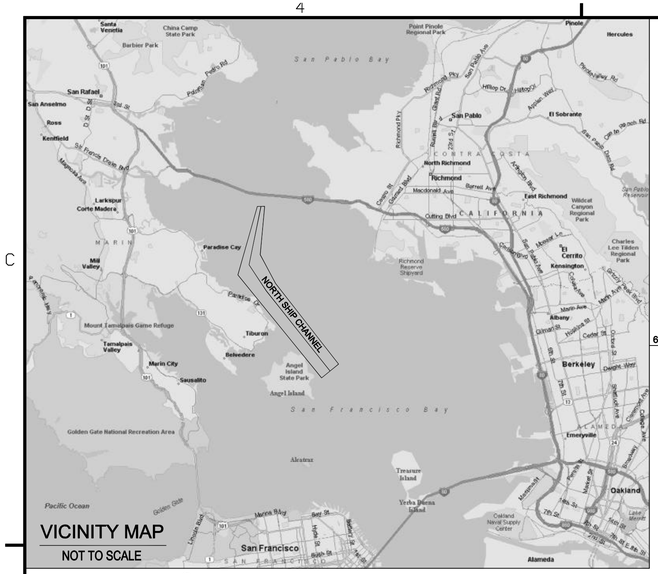


PRELIMINARY ISSUE
THIS PLAN ISSUED FOR ADVANCE INFORMATION ONLY

N

NAD 83
CHANNEL ANGLE POINTS

∠ PT	X	Y
1	6001411.92	2168757.69
2	6000607.32	2160858.09
3	6003074.82	2156153.19
4	6013227.12	2142894.39
5	6010430.32	2140664.79
6	5996932.22	2157596.09
7	6000210.52	2168757.69

NAD 83
CENTERLINE ANGLE POINTS

∠ PT	X	Y
C1	6000811.22	2168757.69
C2	5998769.72	2159227.09
C3	6001548.62	2154936.49
C4	6011828.72	2141779.59

MATCHLINE - SHEET 2

2,166,000 2,164,000 2,162,000 2,160,000 2,158,000

6,003,000 6,001,000 5,999,000 5,997,000

NOTES:

DRAWING 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 ARE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST FOOT AND 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 III NAD 83, CALIFORNIA AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.

INFORMATION DEPICTED ON THIS MAP REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXTING AT THAT TIME.

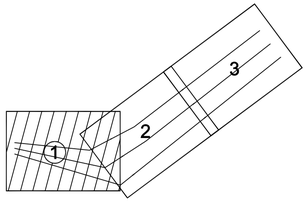
PROJECT DEPTH IS 45 AT M.L.L.W.

SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT THE HYDE STREET PIER, SAN FRANCISCO, CALIFORNIA.

VERTICAL CONTROL:
BENCHMARK "10" (1937) ELEV. 15.45 FT. MLLW.
BENCHMARK "11" (1946) ELEV. 15.47 FT. MLLW.

TIDE GAUGE LOCATION: TIBURON NET DEPOT

HORIZONTAL CONTROL
COAST GUARD D-BEACON



SHEET INDEX

GRAPHICS SCALE 1" = 400'

400' 0 200' 400' 800' 1600'

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: PC
DATE: 3/26/03
CHECKED BY: PC
SHEET NO. 1 OF 3
DRAWING NO. 133 2 3

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

CONTRA COSTA COUNTY CALIFORNIA

NORTH SHIP CHANNEL
CONDITION SURVEY
19-21 MARCH 2003

Sheet reference number
C1