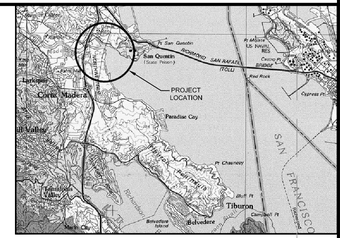
CHANNEL ANGLE POINTS		
POINT	EASTING	NORTHING
1	5982297.49	2173089.82
2	5982451.49	2172977.82
3	5982571.50	2172854.82
4	5982787.50	2172599.82
5	5983004.51	2172386.82
6	5983023.51	2172368.82
7	5983522.53	2172208.81
8	5983795.54	2172008.81
9	5983823.54	2172010.81
10	5985780.36	2170582.99
11	5993996.83	2166423.52
12	5982264.49	2173040.82
13	5982451.99	2172902.82
14	5982538.99	2172815.32
15	5982518.49	2172736.52
16	5982658.50	2172587.42
17	5982662.50	2172544.82
18	5982618.80	2172498.92
19	5982435.39	2172455.82
20	5982432.79	2172447.22
21	5982471.29	2172406.12
22	5982709.20	2172461.62
23	5982760.70	2172454.72
24	5982805.70	2172428.92
25	5982909.51	2172302.82
26	5983060.51	2172092.82
27	5983061.51	2172028.82
28	5983033.51	2171961.82
29	5982990.51	2171930.82
30	5982996.51	2171807.82
31	5983674.53	2171839.81
32	5983687.53	2171822.81
33	5985658.76	2170384.50
34	5993892.13	2166216.52

DREDGE CONTROL POINTS		
POINT	EASTING	NORTHING
6	5983023.51	2172368.82
8	5983795.54	2172008.81
9	5983823.54	2172010.81
26	5983060.51	2172092.82
47	5982924.80	2172281.55
48	5983173.92	2172320.59
49	5983211.64	2171817.97
50	5983359.11	2172114.16
31	5983674.53	2171839.81
32	5983687.53	2171822.81
51	5984672.58	2171104.07
52	5984809.34	2171291.51

PRELIMINARY ISSUE
THIS PLAN ISSUED FOR ADVANCE INFORMATION ONLY



VICINITY MAP
NOT TO SCALE

MATCHLINE – SHEET 2

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, 17-18 SEPTEMBER 2009.

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. NAVD88.

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

THE PROJECT DEPTH:
TURNING BASIN - 15 FT. AT M.L.L.W.
MAIN CHANNEL - 13 FT. AT M.L.L.W.

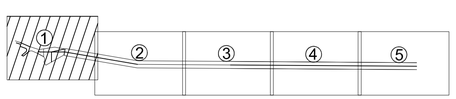
SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT SAN QUENTIN PRISON PARKING LOT & BERTH 1 AT LARKSPUR LANDING FERRY TERMINAL.

VERTICAL CONTROL
BENCHMARK "4874C" 1977 USC&GS DISK ELEV. 11.55 FT MLLW.
BENCHMARK "06" 1936 USC&GS DISK ELEV. 34.92 FT MLLW.

HORIZONTAL CONTROL
COAST GUARD D-BEACON

CONTOURS LEGEND:
13'
12'
11'
10'
9'

SHEET INDEX



GRAPHICS SCALE 1" = 100'

100' 0 50' 100' 200' 400'

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

Mark	Description	Date	Appr.

DESIGNED BY: PC	CHECKED BY: TVW	DRAWN BY: EWC	
DATE: 9/24/2009	SHEET NO. 1 OF 5	DRAWING NO. 7	2 XXX

SUBMITTED: Hydro Survey Team Leader
APPROVAL RECOMMENDED: Chief, Technical Support Section
APPROVED: Chief, Construction Branch

PREPARED UNDER THE DIRECTION OF
LAURENCE M. FARRELL
LT. COLONEL, C.E., DISTRICT ENGINEER

CALIFORNIA
MARIN COUNTY
LARKSPUR FERRY TERMINAL
CONDITION SURVEY
17-18 SEPTEMBER 2009

Sheet reference number
C1