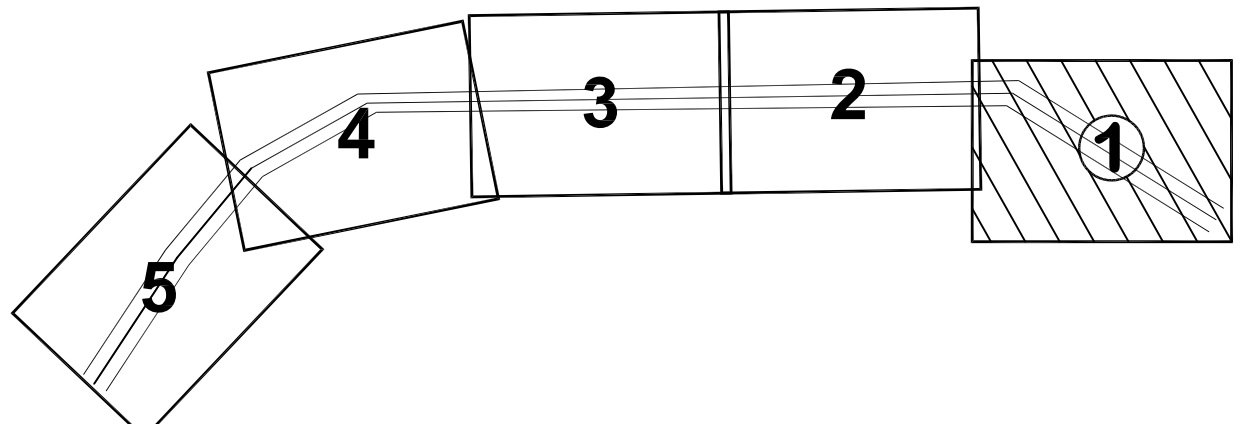


PRELIMINARY ISSUE  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY

**SHEET INDEX**

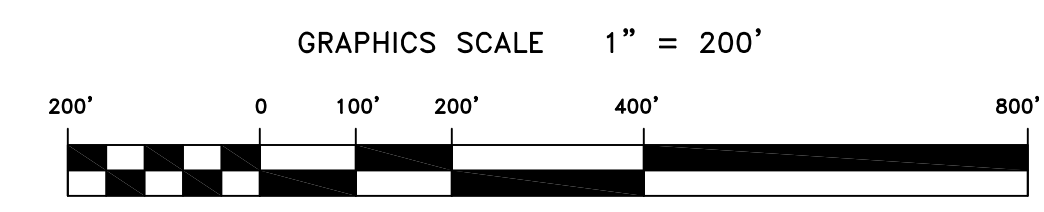


**NOTES:**

- DRAWING NOT TO BE USED AS NAVIGATION CHART 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, BEARING 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. 253, PUBLISHED BY NATIONAL OCEAN SURVEY.
- THE PROJECT DEPTH IS 8 FEET AT M.L.L.W.
- SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT THE CHANNEL MARKER 4, 10, 16
- HORIZONTAL CONTROL: DESIGNATION, SOURCE, XYZ  
PRIMARY: RTK GPS VIA VRS NETWORK  
SECONDARY: COAST GUARD D-BEACON
- VERTICAL CONTROL: BENCHMARK, MMLW ELEV., AGENCY MON. "UNSTAMPED" USC&GS DISK, SW CONCRETE PIER OF R/R DRAWBRIDGE OVER CREEK, ELEV. 8.86 MLLW AND NAVD 88 DATUM.

NAD 1983 CENTERLINE ANGLE POINTS		
∠ PT	X	Y
C1	6006782.40	2212407.27
C2	6006810.30	2218195.07
C3	5998998.10	2230943.37
C4	5996334.20	2232481.37
C5	5993681.30	2232908.57
C6	5990186.70	2233072.07

NAD 1983 CHANNEL ANGLE POINTS		
∠ PT	X	Y
1	6006782.40	2212407.27
2	6006910.90	2218222.27
3	5999070.10	2231017.27
4	5996368.30	2232577.17
5	5993697.20	2233007.27
6	5990191.40	2233171.97
7	5990182.10	2232972.17
8	5993665.40	2232809.77
9	5996300.10	2232385.57
10	5998926.10	2230869.47
11	6006709.60	2218167.87
12	6006582.50	2212411.87



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

Mark	Description	Date	Appr.

SUBMITTED:	DESIGNED BY:	CHECKED BY:	DRAWN BY:
PDT Hydro Survey Team Leader	PDT	PDT	PDT
APPROVAL RECOMMENDED:	DATE:	SHEET NO.:	DRAWING NO.:
Chief, Geomatics Section	06/28/2011	1 OF 5	52 2
APPROVED:	PREPARED UNDER THE DIRECTION OF		
Chief, Construction Branch	TORREY A. DICIRO		
	LT. COLONEL, C.E., DISTRICT ENGINEER		

CALIFORNIA  
SONOMA COUNTY  
PETALUMA RIVER  
ACROSS THE FLAT  
CONDITION SURVEY  
27-28 JUNE 2011

Sheet reference  
number  
**C1**