



N.A.D. 1927 FEET COORDINATES		
CHANNEL /	NORTH	EAST
1	528350.10	1440044.40
2	528350.10	1438843.00
3	520450.50	1439239.80
4	517188.50	1435564.70
5	515745.60	1441707.30
6	500257.20	1449062.80
7	502486.80	1451859.60

**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.

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

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 CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 253,  
 PUBLISHED BY NATIONAL OCEAN SURVEY.

THE PROJECT DEPTH IS 45 FEET 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. 15.86 FT MLLW  
 BENCHMARK "11" (1946) ELEV. 15.47 FT. MLLW.

TIDE GAUGE LOCATION: TIBURON NET DEPOT

HORIZONTAL CONTROL  
 COAST GUARD D-BEACON

N.A.D. 1927 FEET COORDINATES		
CENTER LINE /	NORTH	EAST
C1	528350.10	1439443.70
C2	518819.50	1437402.20
C3	514528.90	1440181.10
C4	501372.00	1450461.20

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

Mark	Description	Date	Appr.

SUBMITTED: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 SHEET NO. 1 OF 3  
 DRAWING NO. 133 2 2  
 DATE: \_\_\_\_\_  
 APPROVAL: \_\_\_\_\_  
 PREPARED UNDER THE DIRECTION OF  
 TIMOTHY S. O'ROURKE  
 LT. COLONEL, C.E., DISTRICT ENGINEER

CALIFORNIA  
 CONTRA COSTA COUNTY  
**NORTH SHIP CHANNEL**  
 CONDITION SURVEY  
 29,31 JANUARY & 1,8 FEBRUARY 2002

Sheet reference number  
**C1**