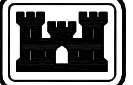


VICINITY MAP  
NOT TO SCALE

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

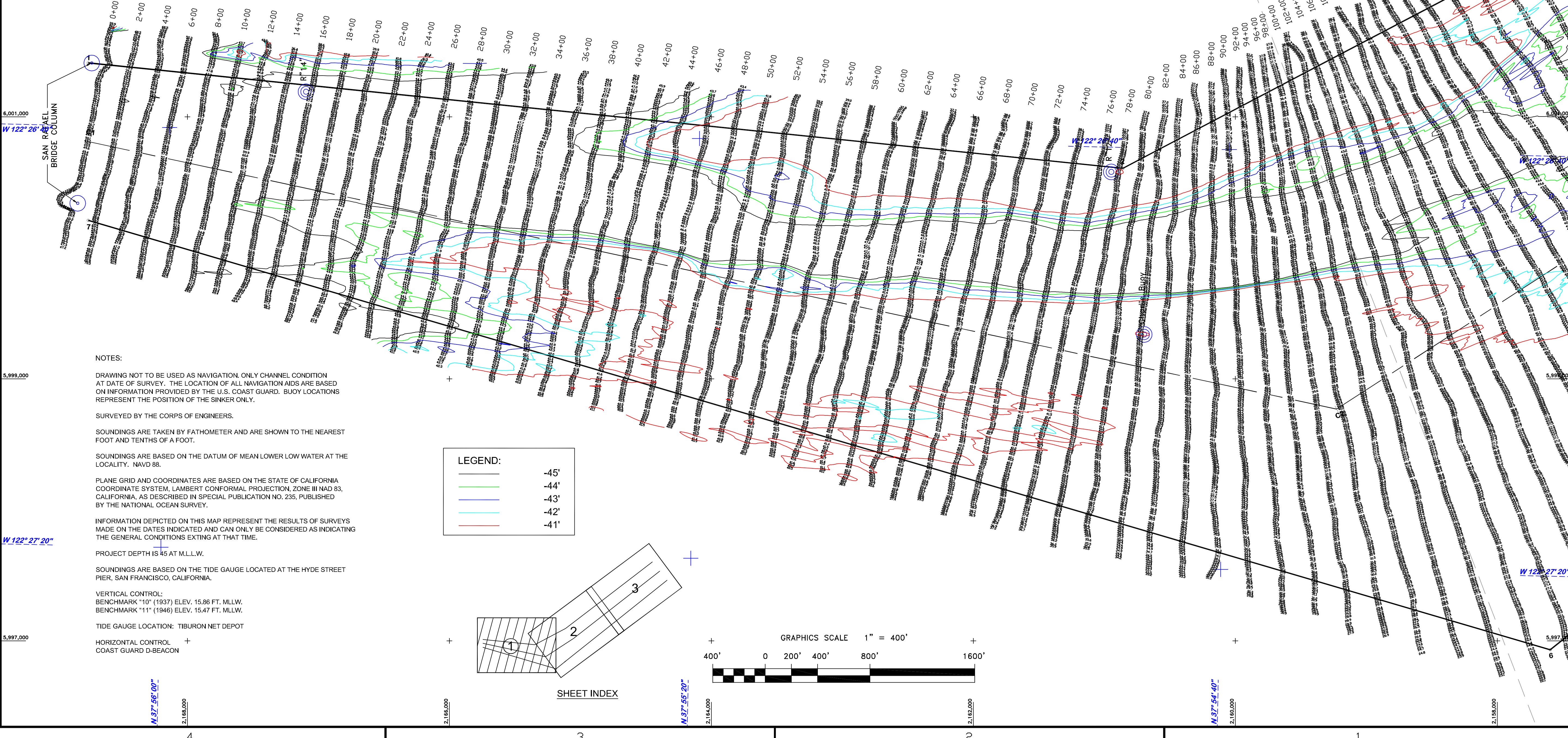
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| Mark | Description | Date | Appr. |
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|                       |                                 |                                      |             |
|-----------------------|---------------------------------|--------------------------------------|-------------|
| SUBMITTED:            | DESIGNED BY:                    | CHECKED BY:                          | DRAWN BY:   |
|                       | Hydro Survey Team Leader        | PDI                                  | PDI         |
| APPROVAL RECOMMENDED: | DATE:                           | SHEET NO.                            | DRAWING NO. |
|                       | 6/20/2011                       | 1 OF 3                               | 133 2       |
| APPROVED:             | PREPARED UNDER THE DIRECTION OF |                                      |             |
|                       | TORREY A. DICIRO                | LT. COLONEL, C.E., DISTRICT ENGINEER |             |

CALIFORNIA  
CONTRA COSTA COUNTY  
**NORTH SHIP CHANNEL**  
CONDITION SURVEY  
9.13-15 JUNE 2011

Sheet reference number  
**C1**



PRELIMINARY ISSUE  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY

| NAD 83<br>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<br>CENTERLINE ANGLE POINTS |            |            |
|-----------------------------------|------------|------------|
| ∠ PT                              | X          | Y          |
| C1                                | 6000811.22 | 2168757.69 |
| C2                                | 5998768.72 | 2158227.99 |
| C3                                | 6001548.62 | 2154936.49 |
| C4                                | 6011828.72 | 2141779.59 |

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, NAVD 88.

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.

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 EXISTING 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. 15.86 FT. MLLW.  
BENCHMARK "11" (1946) ELEV. 15.47 FT. MLLW.

TIDE GAUGE LOCATION: TIBURON NET DEPOT

HORIZONTAL CONTROL  
COAST GUARD D-BEACON

LEGEND:

|   |      |
|---|------|
| — | -45' |
| — | -44' |
| — | -43' |
| — | -42' |
| — | -41' |

