

**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY

Angle Point	Easting	Northing
01	5985648.89	2145393.09
02	5994684.09	2138810.59
03	5994707.39	2138566.09
04	5989054.39	2143415.09
05	5989782.39	2143380.09
06	5985527.39	2144770.09
C01	5985768.59	2145286.09
C02	5994795.89	2138689.29



- Federal Navigation Channel
  - Shoaling Areas
  - Placement Area
  - Anchorage Area
  - Wreck Area
  - Submerged Wreck
  - Angle Point
  - Beacon, General
  - Obstruction Point
  - Navigation Buoy
  - Navigation Buoy
  - Shoalest Sounding\*
- Contours**
- 20
  - 19
  - 18
  - 17
  - 16

**NOTES:**  
DRAWING NOT TO BE USED FOR 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.  
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 AT THAT TIME.  
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 THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE III NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY NATIONAL OCEAN SURVEY. THE PROJECT DEPTH IS 20 FEET AT M.L.L.W. SOUNDINGS ARE BASED ON THE TIDE GAUGE.

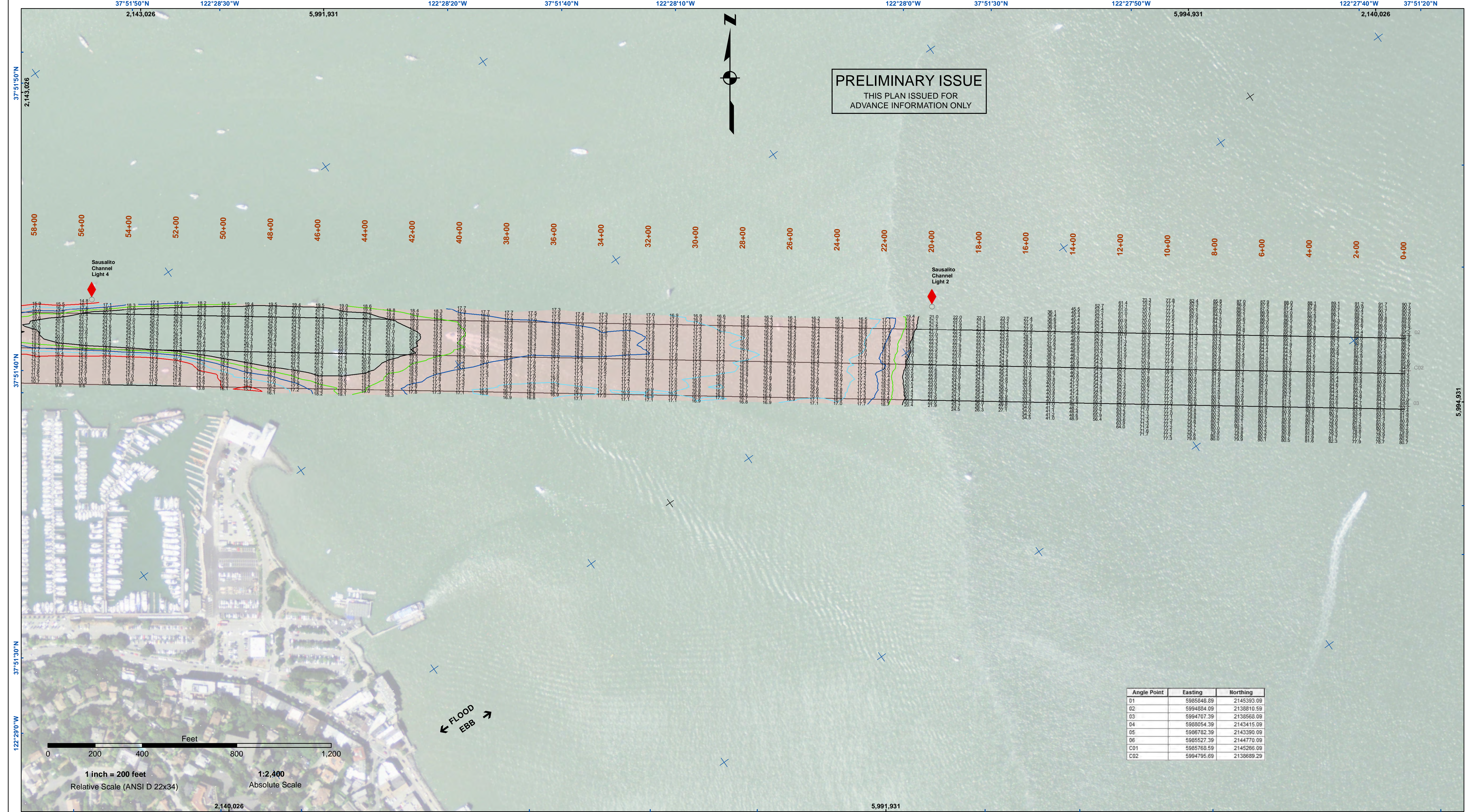
**US Army Corps of Engineers**  
San Francisco District  
450 Golden Gate  
San Francisco, CA 94102

**DISCLAIMER:** The United States Government furnishes the data represented on this map for informational purposes only. The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. The user is responsible for the results of any application of the data for other than its intended purpose. The user is responsible for the results of any application of the data for other than its intended purpose. The user is responsible for the results of any application of the data for other than its intended purpose.

Prepared Under the Direction of	KEVIN P. ARNETT	Chart Date:	Nov 17, 2022
Submittal:	Hydro Survey Team Leader	Plotted By:	PDT
Recommended:	Chief, Hydro Survey Section	Checked By:	PDT
Approved:	Chief, Construction Branch	Drawn by:	PDT

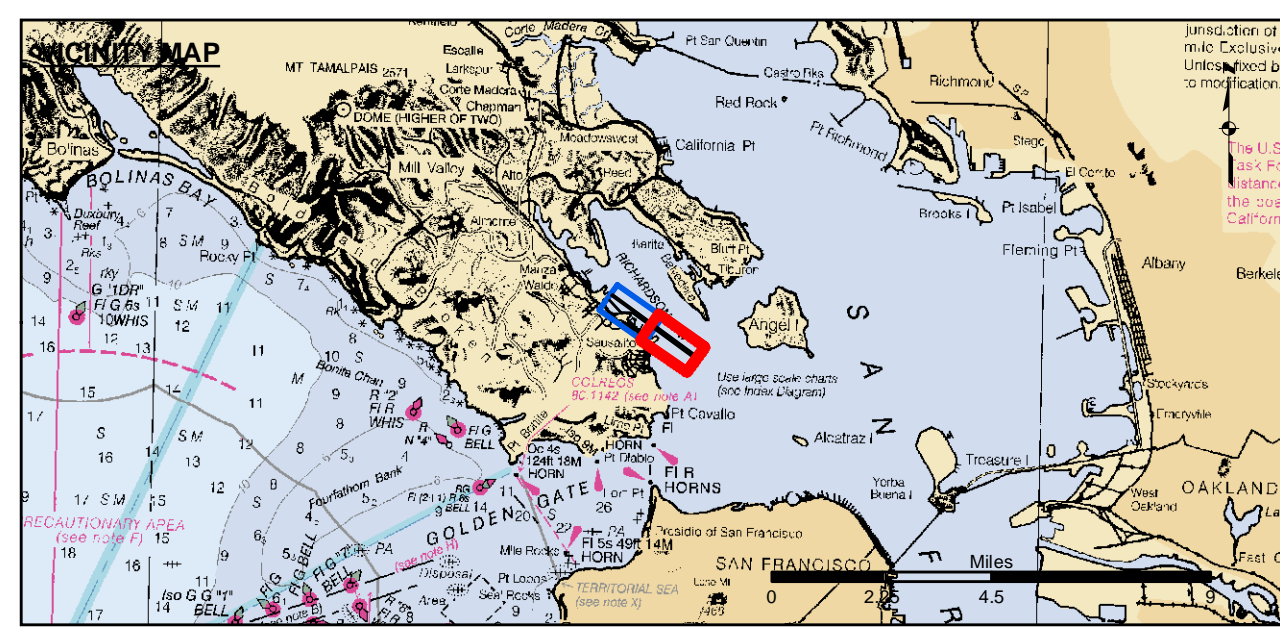
CALIFORNIA  
**MARINERSHIP CHANNEL**  
(RICHARDSON BAY)  
CONDITION SURVEY  
07 NOVEMBER 2022

**Sheet Reference Number**  
1 of 2



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- |  |                            |  |                    |                 |     |
|--|----------------------------|--|--------------------|-----------------|-----|
|  | Federal Navigation Channel |  | Beacon, General    | <b>Contours</b> |     |
|  | Shoaling Areas             |  | Obstruction Point  |                 |     |
|  | Placement Area             |  | Navigation Buoy    |                 |     |
|  | Anchorage Area             |  | Navigation Buoy    |                 |     |
|  | Wreck Area                 |  | Shoalest Sounding* |                 |     |
|  | Submerged Wreck            |  |                    |                 | -20 |
|  | Angle Point                |  |                    |                 | -19 |
|  |                            |  |                    |                 | -18 |
|  |                            |  |                    |                 | -17 |
|  |                            |  |                    |                 | -16 |

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Prepared Under the Direction of	Chart Date
KEVIN P. ARNETT	Nov 17, 2022
Submitted	Plotted By
Hydro Survey Team Leader	PDT
Recommended	Checked By
Chief, Hydro Survey Section	PDT
Approved	Drawn by
Chief, Construction Branch	PDT

CALIFORNIA  
MARIN COUNTY  
**MARINSHIP CHANNEL**  
(RICHARDSON BAY)  
CONDITION SURVEY  
07 NOVEMBER 2022

**Sheet Reference Number**  
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