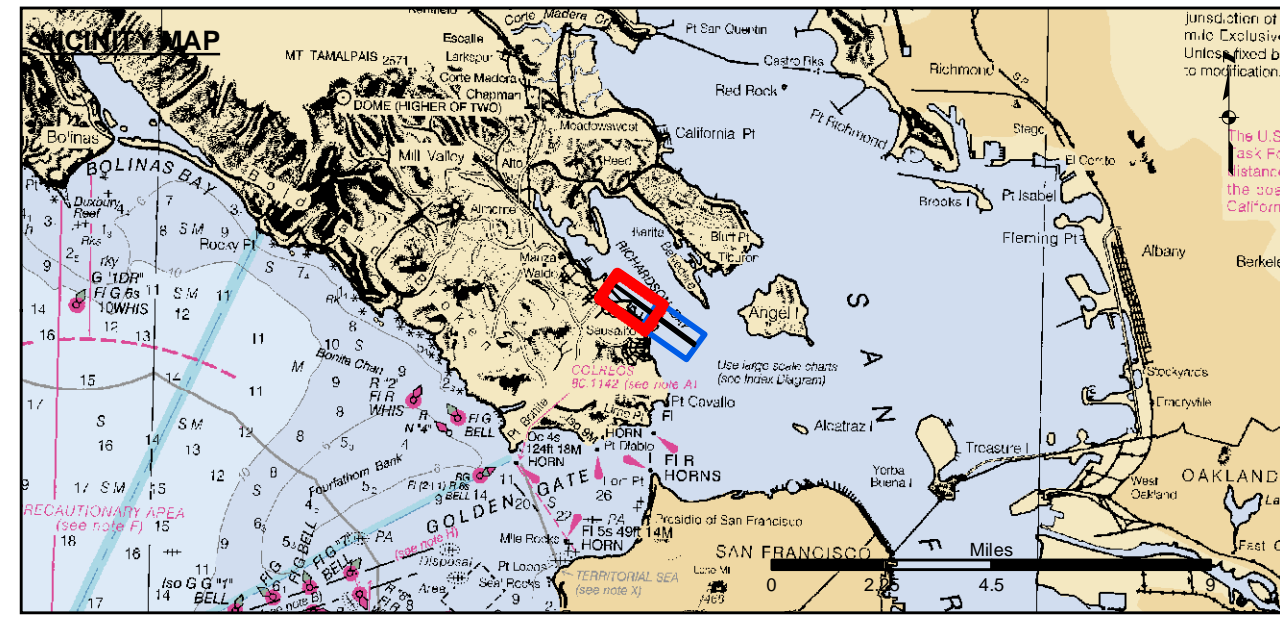


**US Army Corps of Engineers**  
 San Francisco District  
 450 Golden Gate  
 San Francisco, CA 94102

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Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E. DISTRICT ENGINEER	Chart Date: Apr 22, 2021
Submittal: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Drawn by: PDT
Approval: Chief, Construction Branch	

Angle Point	Easting	Northing
01	5985648.89	2145393.09
02	5994684.09	2138810.59
03	5994707.39	2138556.09
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	Beacon, General	<b>Contours</b>
Shoaling Areas	Obstruction Point	
Placement Area	Navigation Buoy	-20
Anchorage Area	Navigation Buoy	-19
Wreck Area	Shoalest Sounding*	-18
Submerged Wreck		-17
Angle Point		-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 11 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  
 \*\*Sta 0+00 to Sta 102+00 surveyed on 3 June 2020, Sta 103+00 to Sta 111+69 surveyed on 20 April 2021

CALIFORNIA  
 MARIN COUNTY  
**MARINSHIP CHANNEL  
 (RICHARDSON BAY)**  
 COMBINED CONDITION SURVEYS  
 23 JUNE 2020 & 20 APRIL 2021

**Sheet Reference Number**  
 1 of 2

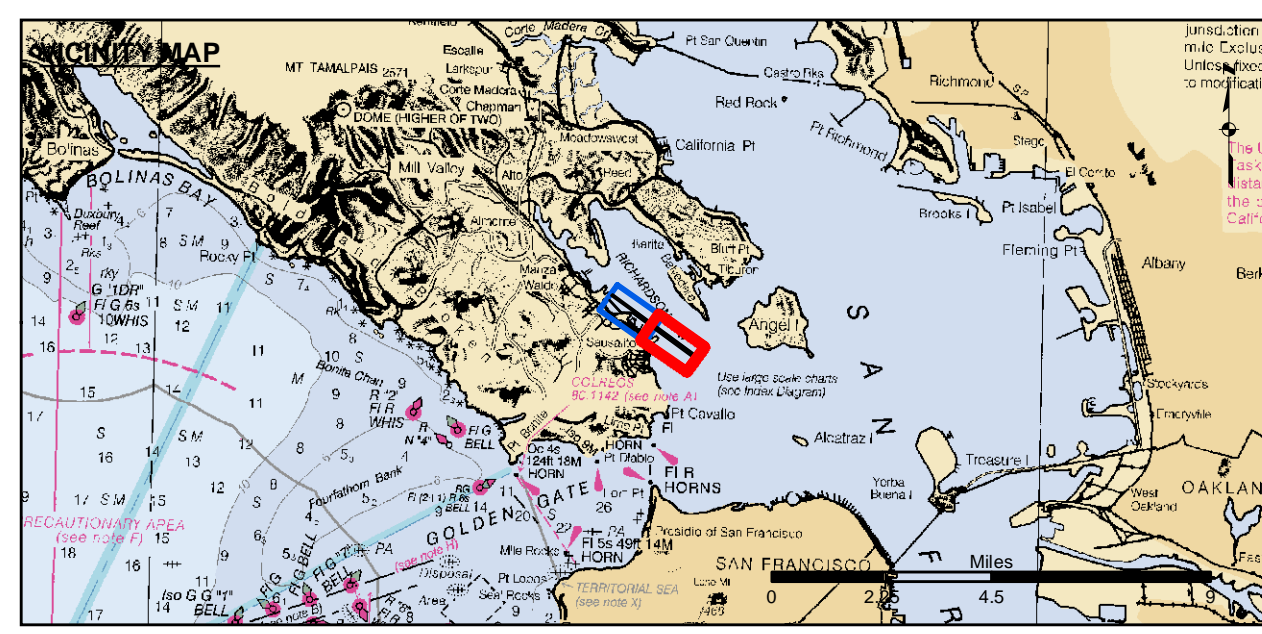


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Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Apr 22, 2021
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	

Angle Point	Easting	Northing
D1	5985648.89	2145393.09
D2	5994884.09	2138810.59
D3	5994707.39	2138568.09
D4	5989054.39	2143415.09
D5	598782.39	2143390.09
D6	5985527.39	2144770.09
C01	5985768.59	2145286.09
C02	5994795.89	2138689.29



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

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CALIFORNIA  
 MARIN COUNTY  
**MARINSHIP CHANNEL**  
 (RICHARDSON BAY)  
 COMBINED CONDITION SURVEYS  
 23 JUNE 2020 & 20 APRIL 2021

**Sheet Reference Number**  
 2 of 2