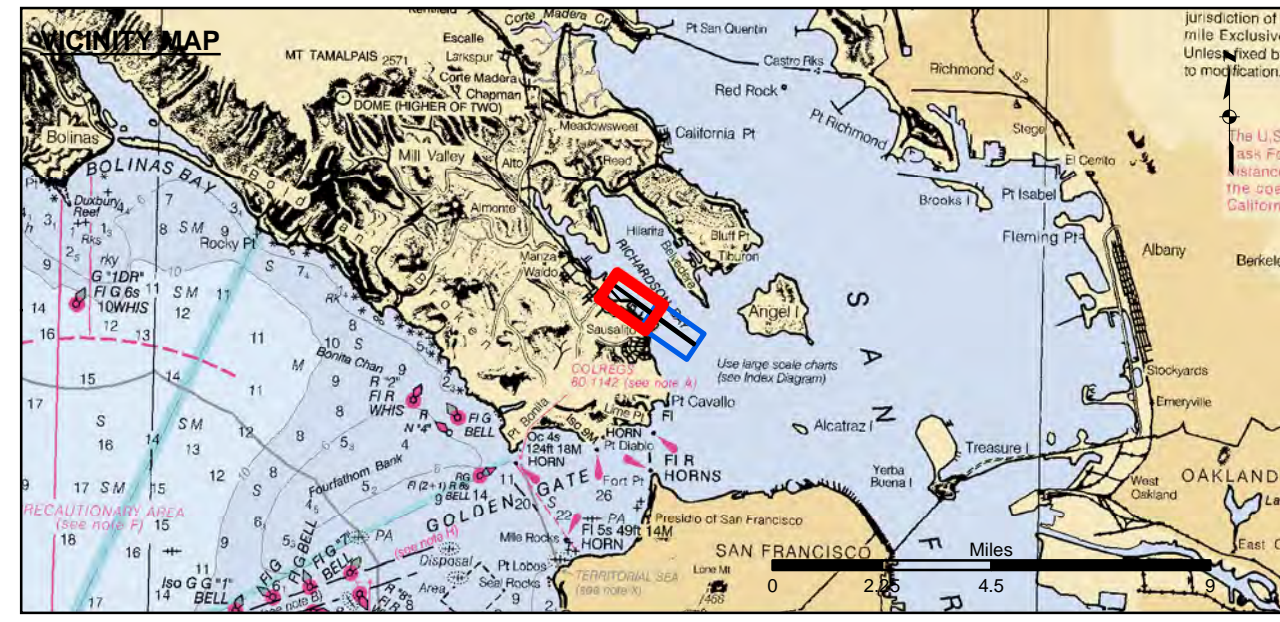


**US Army Corps of Engineers**  
 San Francisco District  
 450 Golden Gate  
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Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E. DISTRICT ENGINEER	Chart Date: Aug 20, 2019
Submittal: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Checked by: PDT
Approved: Chief, Construction Branch	Drawn by: PDT

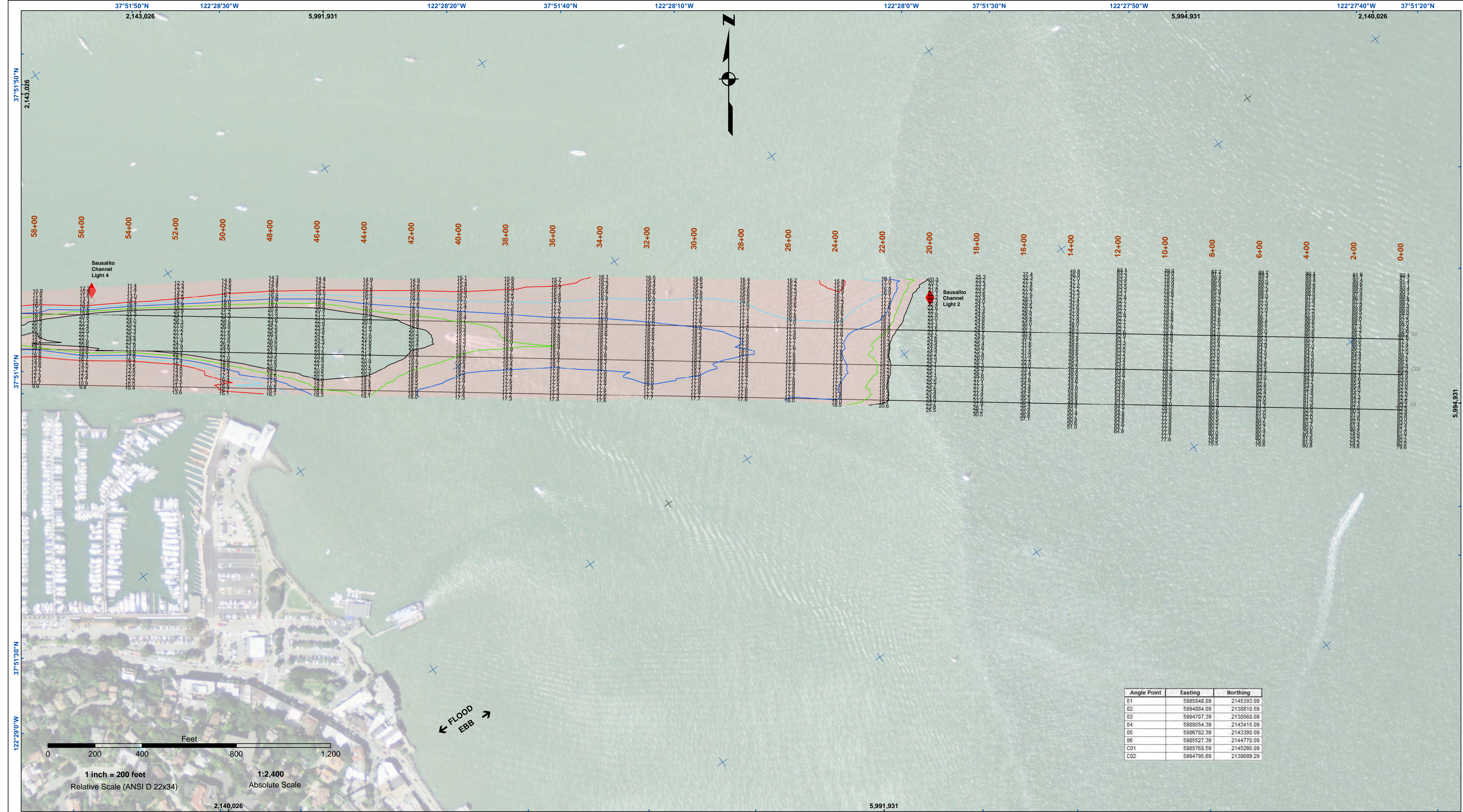
CALIFORNIA  
 MARIN COUNTY  
**MARINSHIP CHANNEL  
 (RICHARDSON BAY)**  
 CONDITION SURVEY  
 06 AUGUST 2019



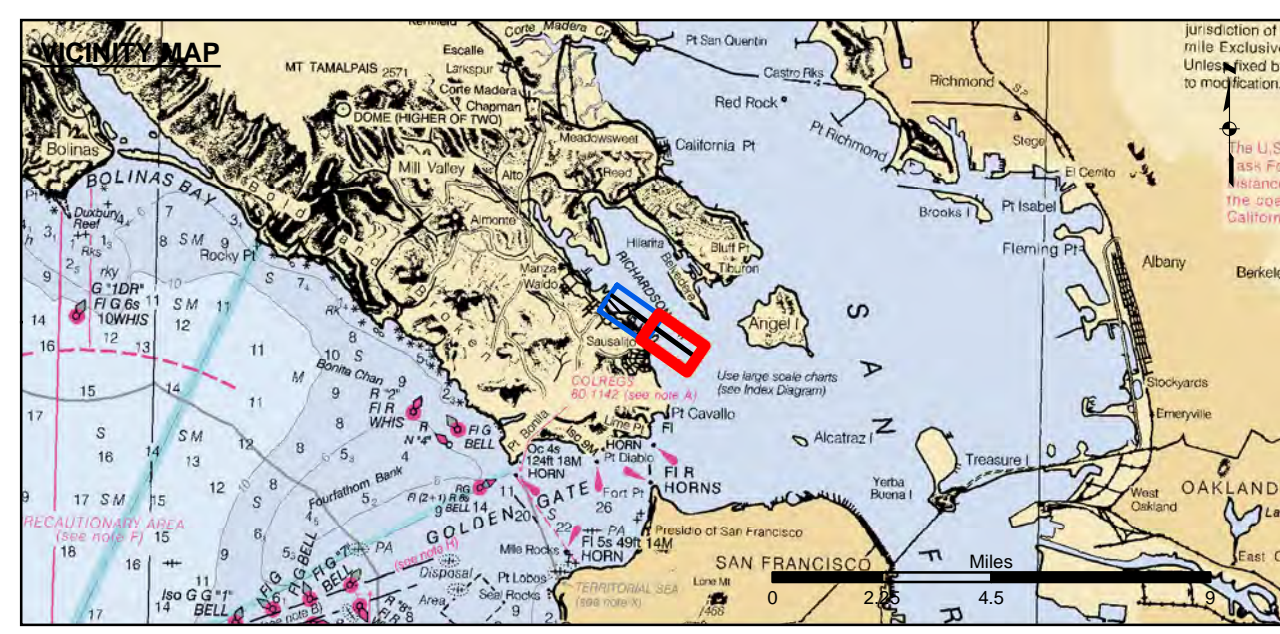
	Federal Navigation Channel		Beacon, General	<b>Contours</b>	
	Shoaling Areas		Obstruction Point		-20
	Placement Area		Navigation Buoy		-19
	Anchorage Area		Navigation Buoy		-18
	Wreck Area		Shoalest Sounding*		-17
	Submerged Wreck				-16
	Angle Point				

**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.

**Sheet Reference Number**  
 1 of 2



Angle Point	Easting	Northing
D1	5985648.89	2145393.09
D2	5994684.09	2138810.59
D3	5994707.39	2138566.09
D4	5989954.39	2143415.09
D5	5989782.39	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		
	Anchorage Area		Navigation Buoy		
	Wreck Area		Shoalest Sounding*		
	Submerged Wreck				-20
	Angle Point				-19
					-18
					-17
					-16

NOTES:

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Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT Colonel, C.E. District Engineer	Chart Date: Aug 20, 2019
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	

CALIFORNIA  
 MARIN COUNTY  
**MARINSHIP CHANNEL**  
 (RICHARDSON BAY)  
 CONDITION SURVEY  
 06 AUGUST 2019

**Sheet Reference Number**  
 2 of 2