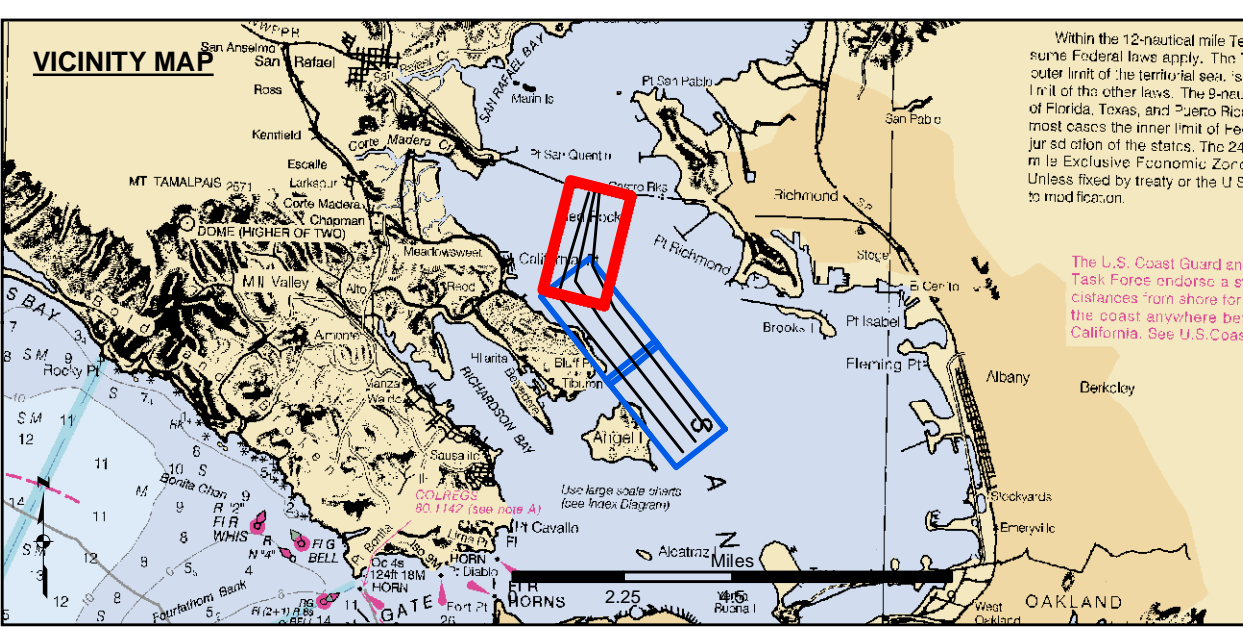


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Angle Point	Easting	Northing
1	8001411.92	2168757.69
2	8000907.32	2168058.09
3	8003074.82	2158153.19
4	8013227.12	2142884.39
5	8010430.32	2140664.79
6	5996932.22	2157596.09
7	8000210.52	2168757.69
C1	8000811.22	2168757.69
C2	5998769.72	2159227.09
C3	8001548.62	2154936.49
C4	8011828.72	2141779.59

← FLOOD  
EBB →

0 400 800 1,600 2,400  
1 inch = 400 feet  
Relative Scale (ANSI D 22x34)  
1:4,800  
Absolute Scale



- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding\*
- Contours
- 45
- 44
- 43
- 42
- 41

NOTES:  
HORIZONTAL COORDINATE SYSTEM:  
NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE III. DISTANCE UNITS IN U.S. SURVEY FEET.  
VERTICAL DATUM:  
SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.  
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\*SHOALEST SOUNDING PER QUARTER PER REACH

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SURVEYED BY THE CORPS OF ENGINEERS.  
THE PROJECT DEPTH IS -45 FEET AT MLLW.  
SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH 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 LAMBERT PROJECTION, NAD 83, ZONE III CALIFORNIA AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.  
SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT TIBERON NET DEPOT.  
HORIZONTAL CONTROL:  
COAST GUARD D-BEACON  
VERTICAL CONTROL:  
BENCHMARK "10" (1937) ELEV. 15.86 FT. MLLW.  
BENCHMARK "11" (1946) ELEV. 15.47 FT. MLLW.

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

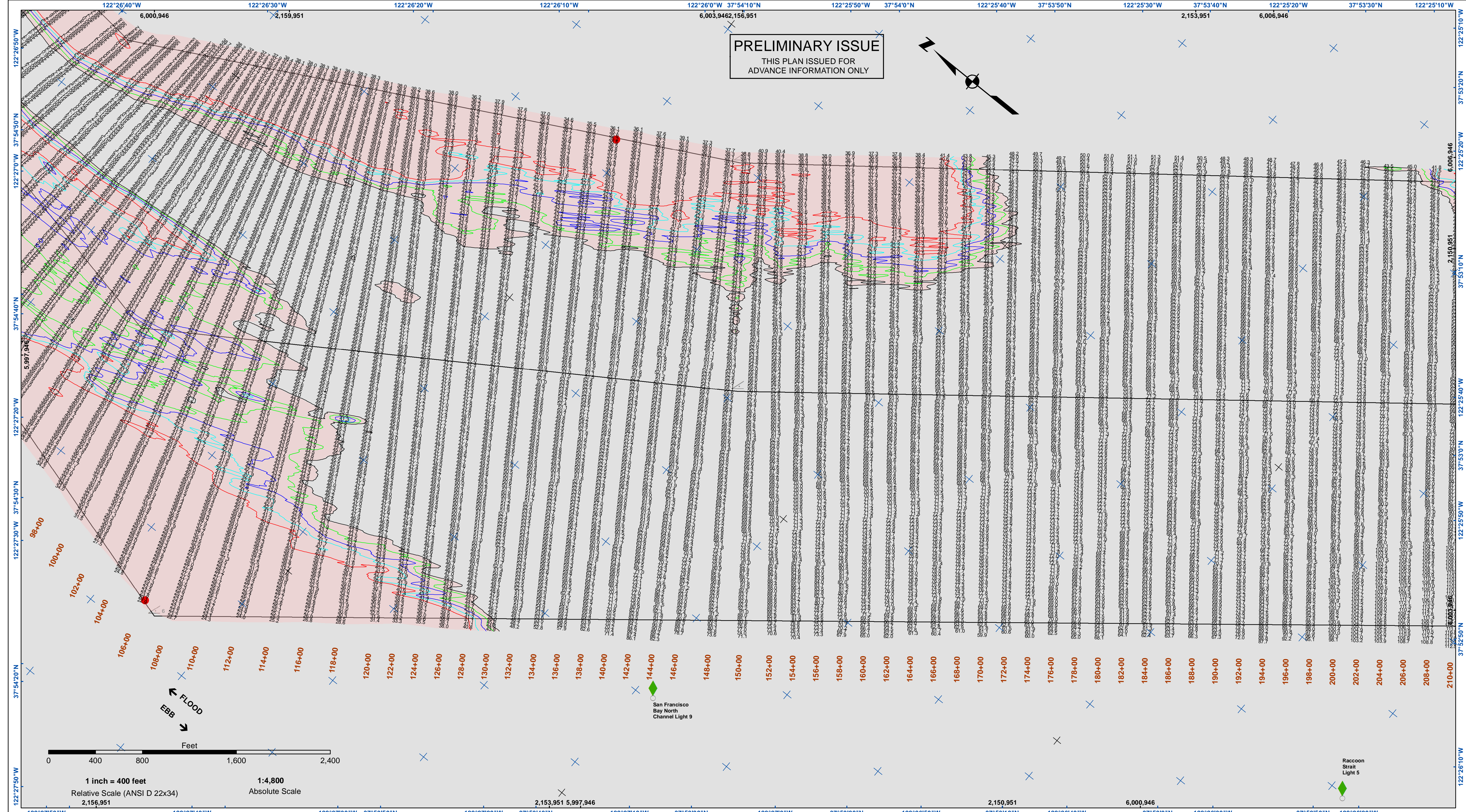
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Prepared Under the Direction of	Chart Date:	Oct 01, 2021
KEVIN P. ARNETT	Designed by:	PDT
LT Colonel, C.E., District Engineer	Plotted by:	PDT
Subplot:	Checked by:	PDT
Hydro Survey Team Leader	Drawn by:	PDT
Recommendation:		
Chief, Hydro Survey Section		
Approval:		
Chief, Construction Branch		

CALIFORNIA  
CONTRA COSTA COUNTY  
**NORTH SHIP CHANNEL**  
CONDITION SURVEY  
20, 21 & 28 SEPTEMBER 2021

**Sheet Reference Number**  
1 of 3





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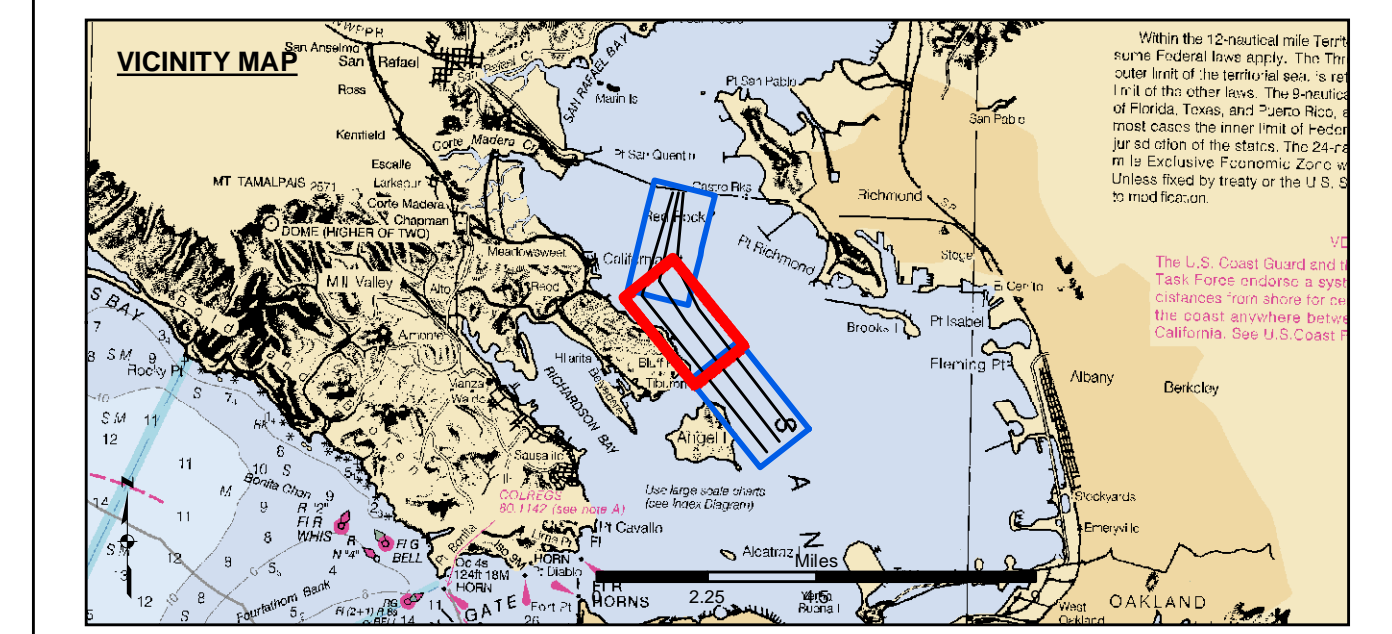
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KEVIN P. ARNETT	Oct 01, 2021
LT Colonel, C.E. District Engineer	Designed by:
Hydro Survey Team Leader	PDT
Recommended by:	Checked by:
Chief, Hydro Survey Section	PDT
Approved:	Drawn by:
Chief, Construction Branch	PDT

CALIFORNIA  
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20, 21 & 28 SEPTEMBER 2021

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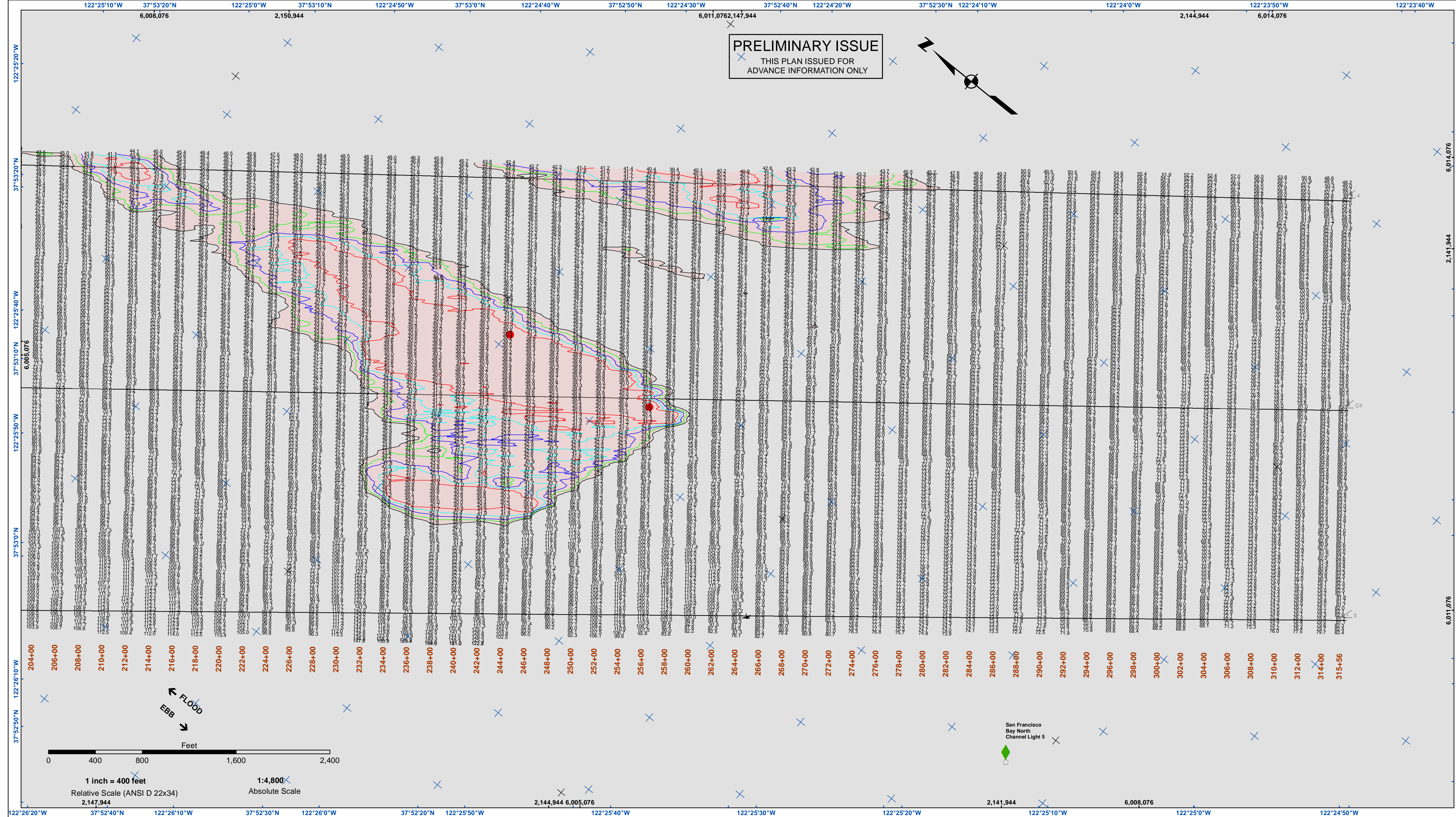


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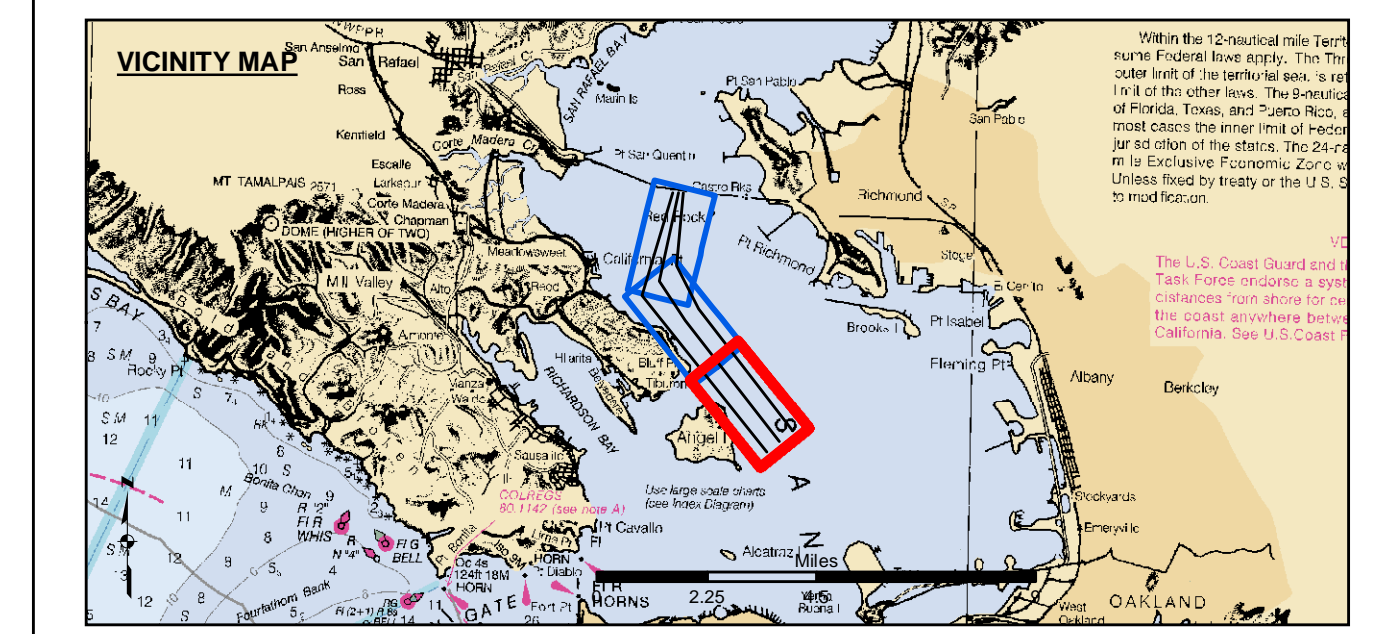


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KEVIN P. ARNETT	Oct 01, 2021
LT COLONEL, C.E., DISTRICT ENGINEER	Designed by:
Hydro Survey Team Leader	PDT
Recommended by:	Checked by:
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Approved:	Drawn by:
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- Federal Navigation Channel
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 CONTRA COSTA COUNTY  
**NORTH SHIP CHANNEL**  
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