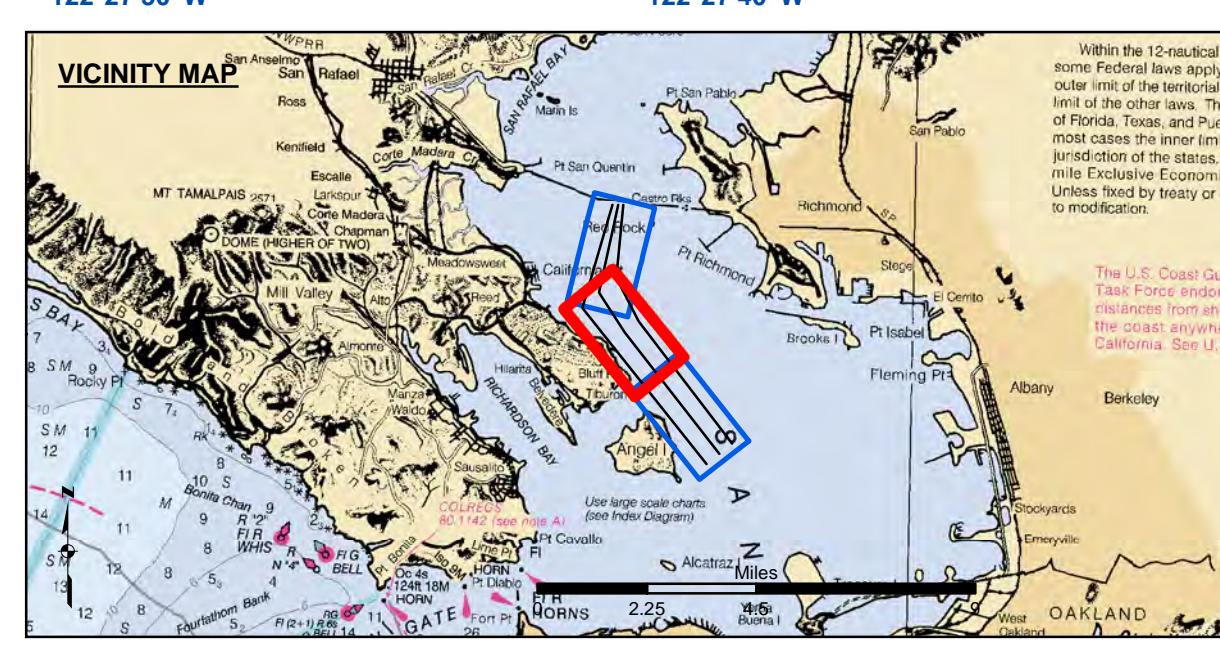
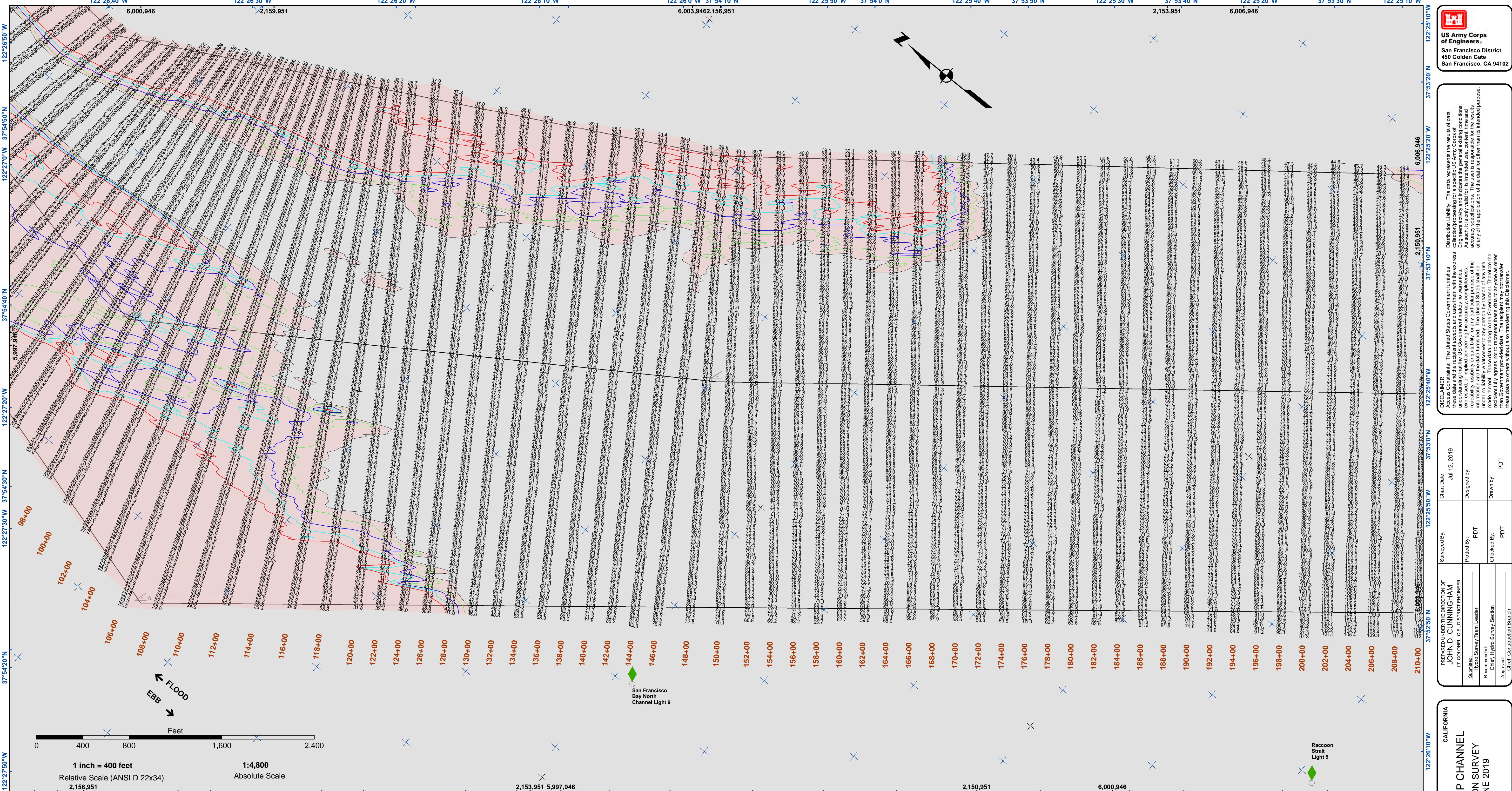


- VICINITY MAP**
- Federal Navigation Channel
 - Shoaling Area
 - Placement Area
 - Anchorage Area
 - Wreck Area
 - Submerged Wreck
 - Beacon, General Obstruction Point
 - Navigation Buoy
 - Navigation Buoy
 - Shoalest Sounding*
 - Contours
 - Angle Point

NOTES:
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.
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED TO REPRESENT THE GENERAL CONDITION EXISTING AT THAT TIME.
BASE MAPS ARE USDA NAIP 2010.
*SHOALEST SOUNDING PER QUARTER PER REACH

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.
SOUNDINGS ARE 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.
SURVEYED BY THE CORPS OF ENGINEERS.
THE PROJECT DEPTH IS .46 FEET AT MLLW.
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.



- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Wrecks
- Submerged Wreck
- ↖ Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding*
- Contours

NOTES:
HORIZONTAL COORDINATE SYSTEM:
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CONTRA COSTA COUNTY
NORTH SHIP CHANNEL
CONDITION SURVEY
27 JUNE 2019

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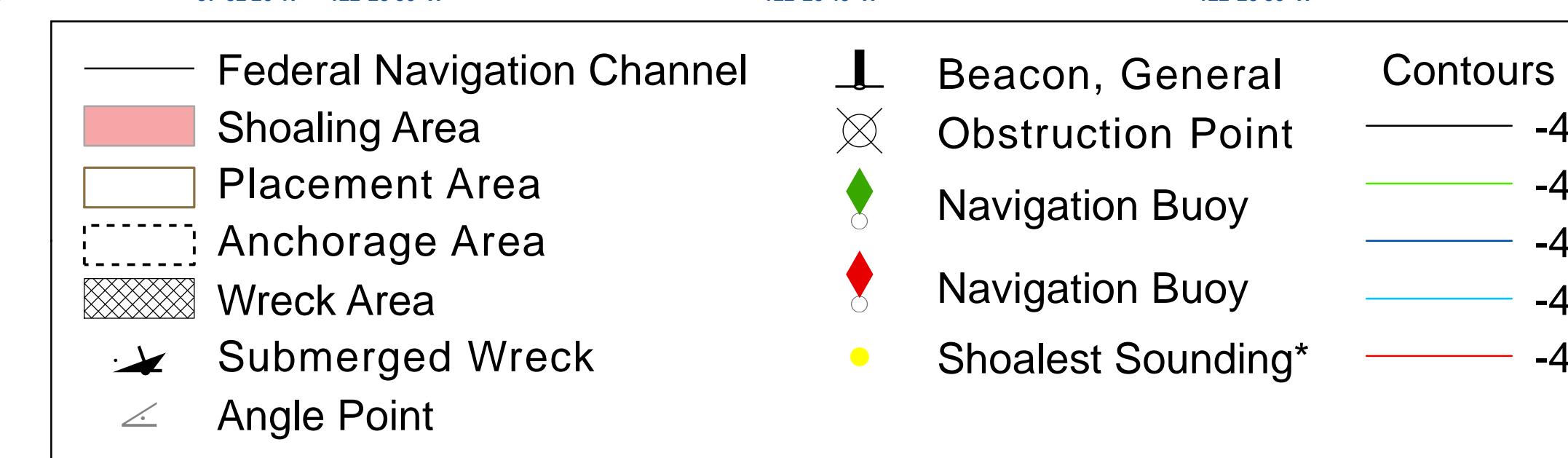
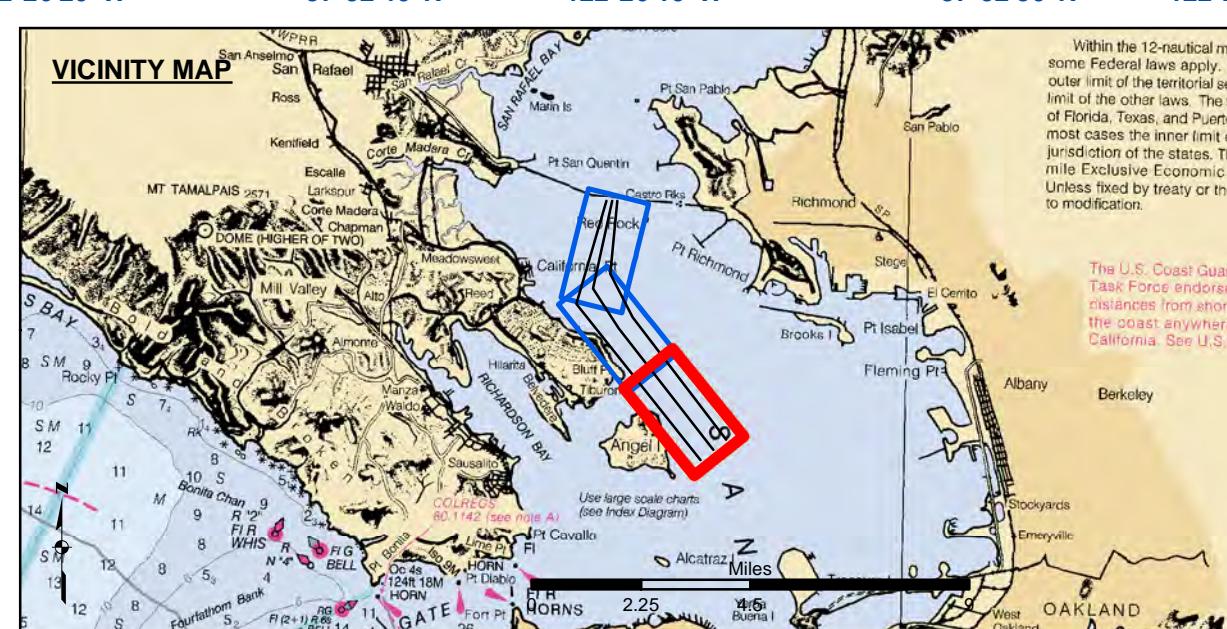
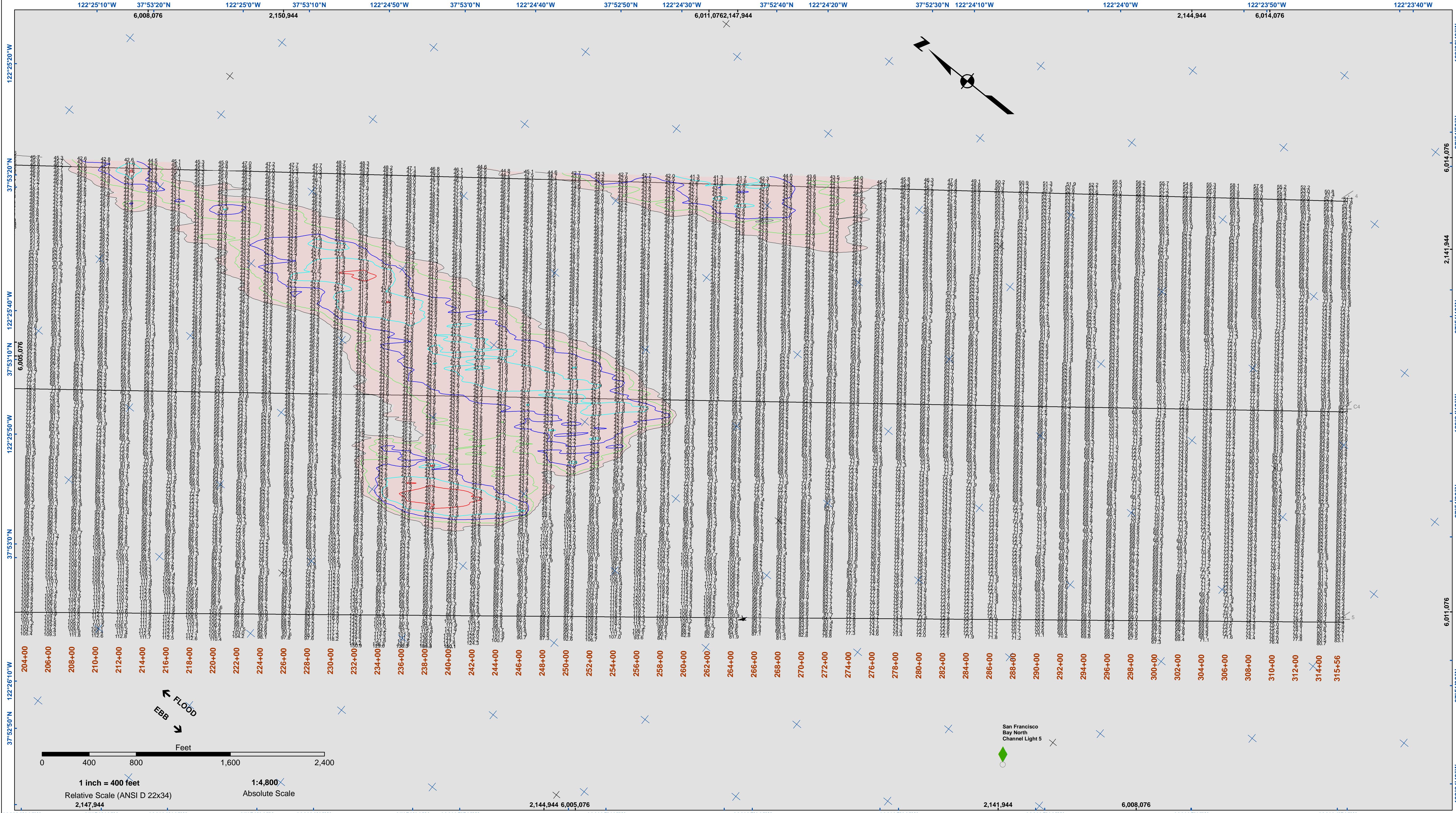
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PREPARED UNDER THE DIRECTION OF	SURVEYED BY:	Chart Date:
JOHN D CUNNINGHAM LT. COLONEL, C.E. DISTRICT ENGINEER		JUL 12 2019
Submitted:	Plotted By:	Designed by:
Hydro Survey Team Leader	PDT	
Recommended:	Drawn by:	
Chief Hydro Survey Section	Checked By:	
Approved:	PDT	
Chief Construction Branch		

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CALIFORNIA
NORTH SHIP CHANNEL
CONDITION SURVEY
27 JUNE 2019

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