



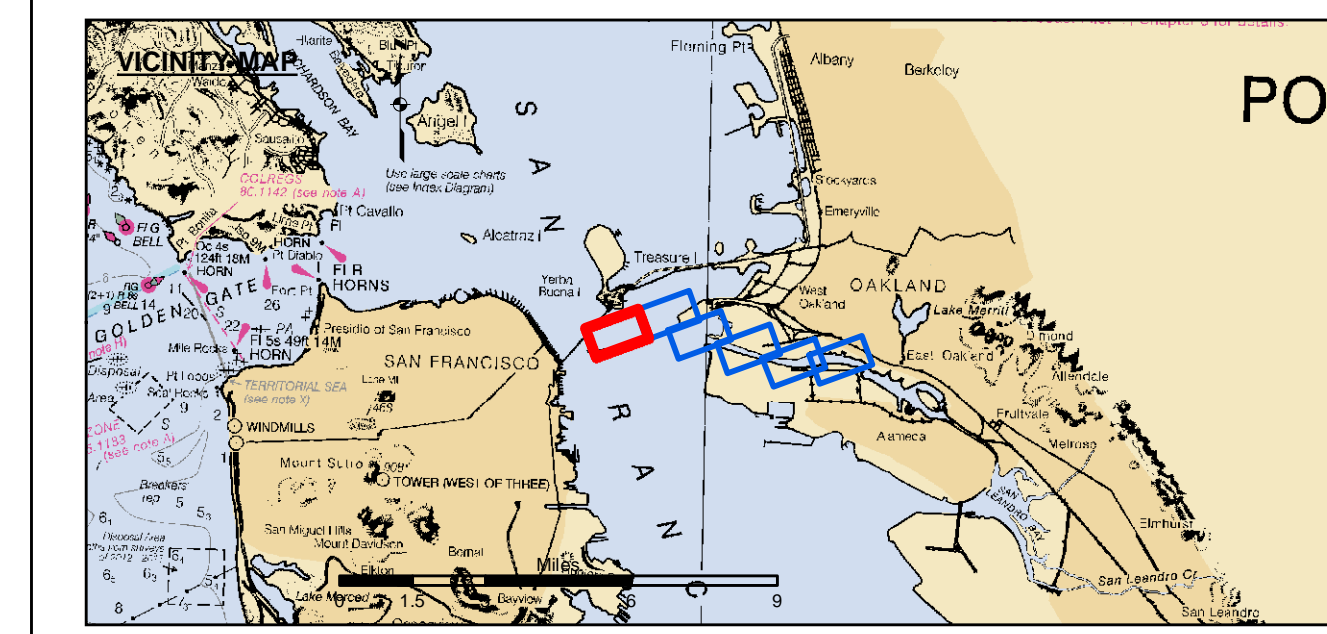
**US Army Corps of Engineers**  
 San Francisco District  
 450 Golden Gate Ave  
 San Francisco, CA 94102

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Chart Date:	May 17, 2022
Designed by:	
Drawn by:	
Surveyed By:	LT COLONEL C.E. DISTRICT ENGINEER
Plotted By:	Hydro Survey Team Leader
Checked By:	Navigation Technical Manager
Project Manager:	

CALIFORNIA  
 ALAMEDA COUNTY  
**OAKLAND HARBOR**  
 INNER HARBOR  
 CONDITION SURVEY  
 11 MAY 2022

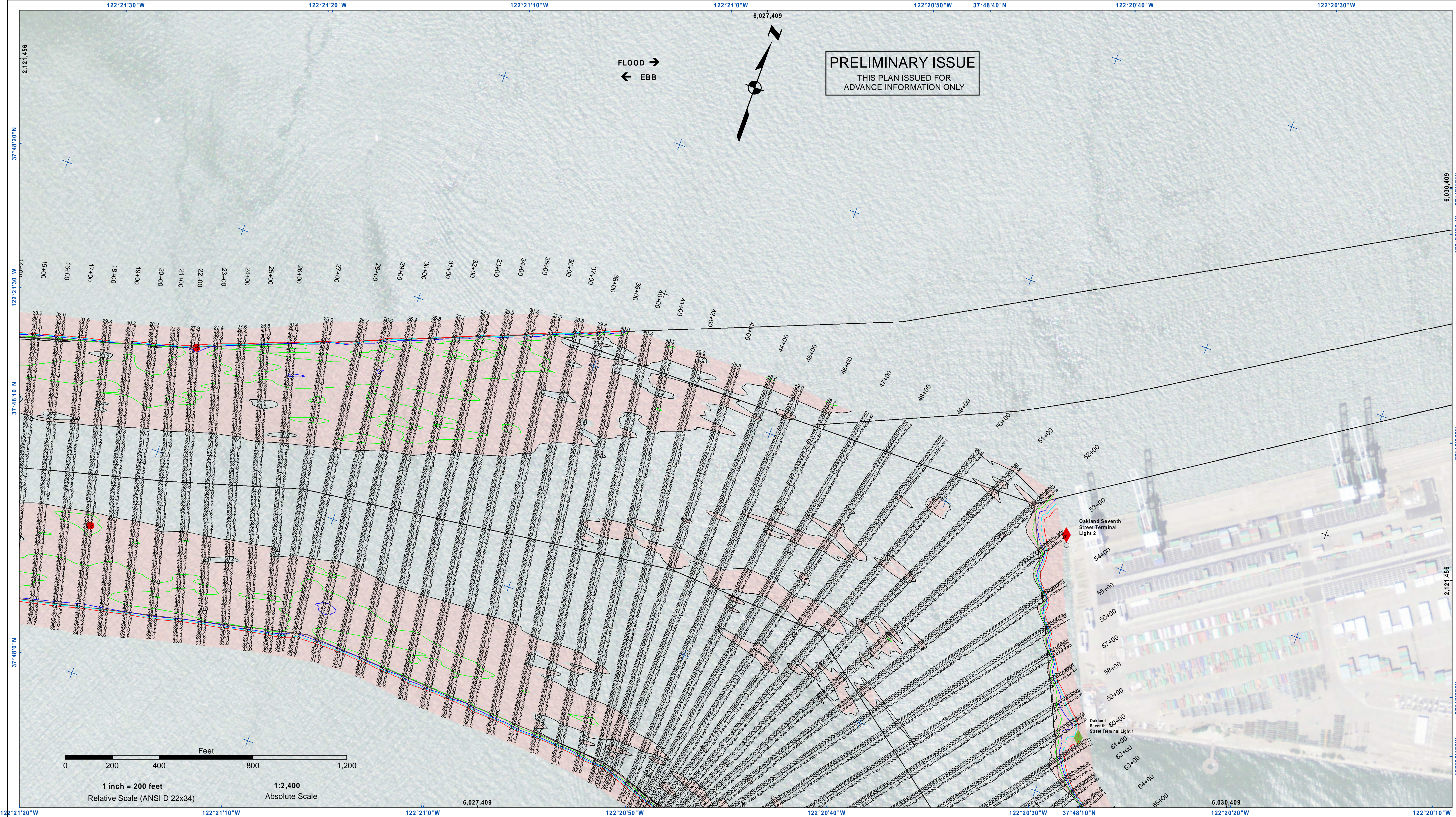
**Sheet**  
**Reference**  
**Number**  
**1 of 6**



- |                            |                    |          |
|----------------------------|--------------------|----------|
| Federal Navigation Channel | Beacon, General    | Contours |
| Shoaling Area              | Obstruction Point  | -50      |
| Placement Area             | Navigation Buoy    | -49      |
| Anchorage Area             | Navigation Buoy    | -48      |
| Wreck Area                 | Shoalest Sounding* | -47      |
| Submerged Wreck            |                    | -46      |
| Angle Point                |                    |          |

**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.  
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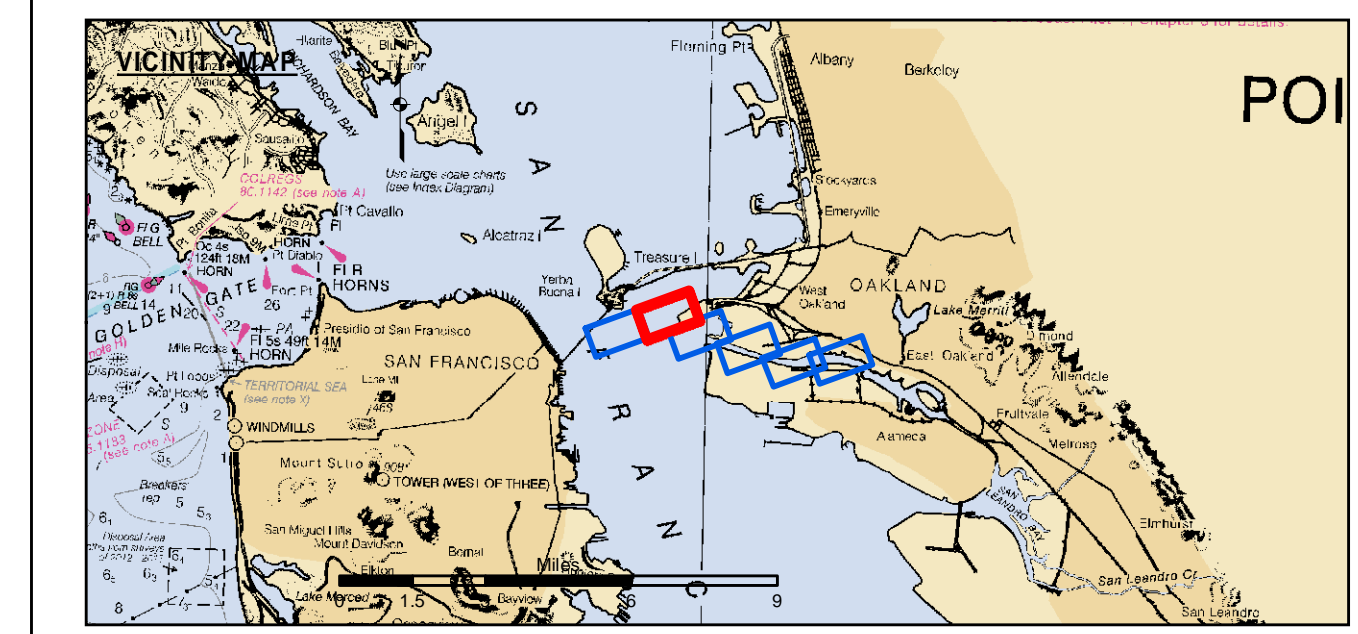
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Chart Date:	May 17, 2022
Designed by:	
Drawn by:	
Surveyed By:	KEVIN P. ARNETT
Plotted By:	
Checked By:	
Approved:	

ALAMEDA COUNTY  
**OAKLAND HARBOR**  
 INNER HARBOR  
 CONDITION SURVEY  
 11 MAY 2022

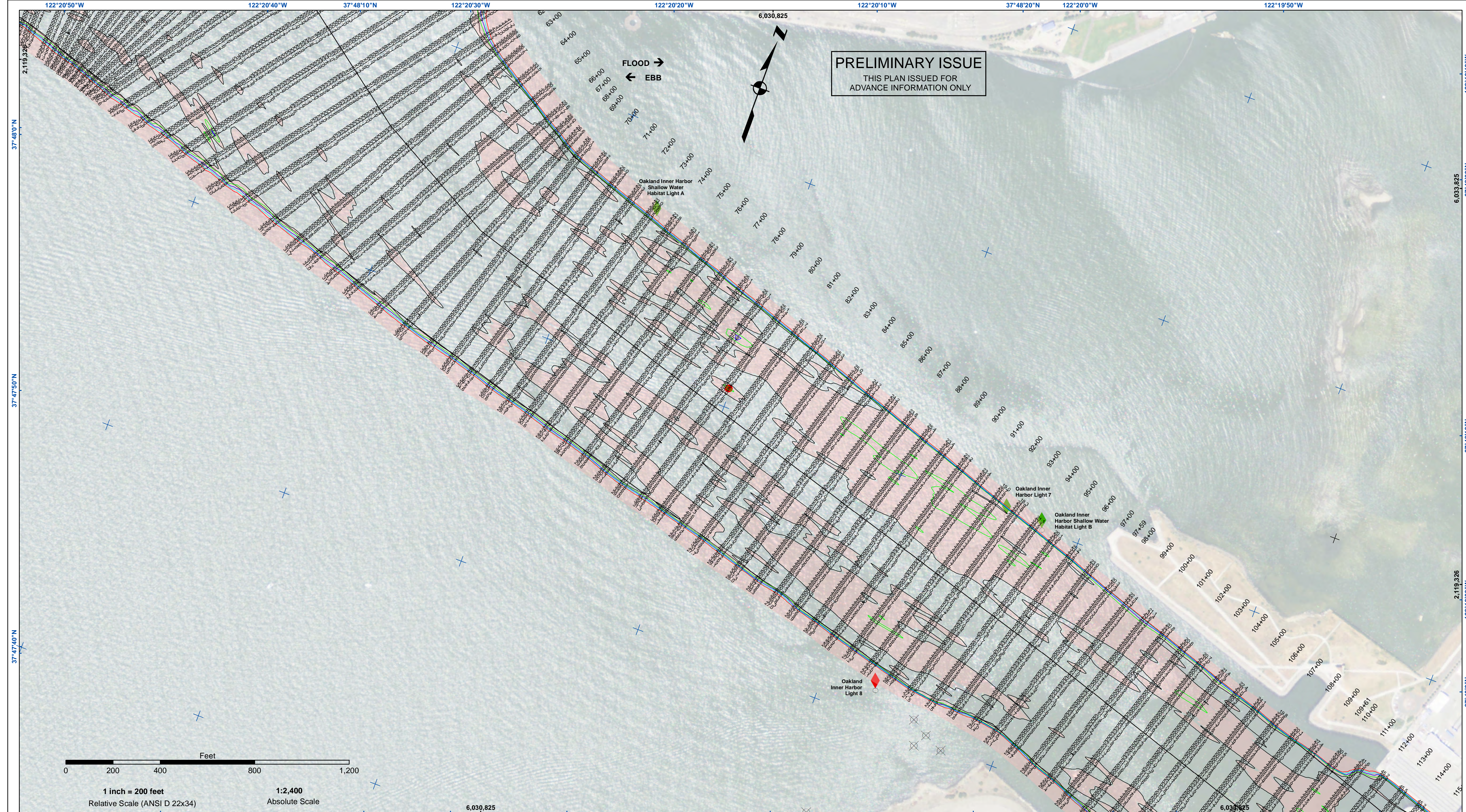
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- |                            |                    |          |
|----------------------------|--------------------|----------|
| Federal Navigation Channel | Beacon, General    | Contours |
| Shoaling Area              | Obstruction Point  | -50      |
| Placement Area             | Navigation Buoy    | -49      |
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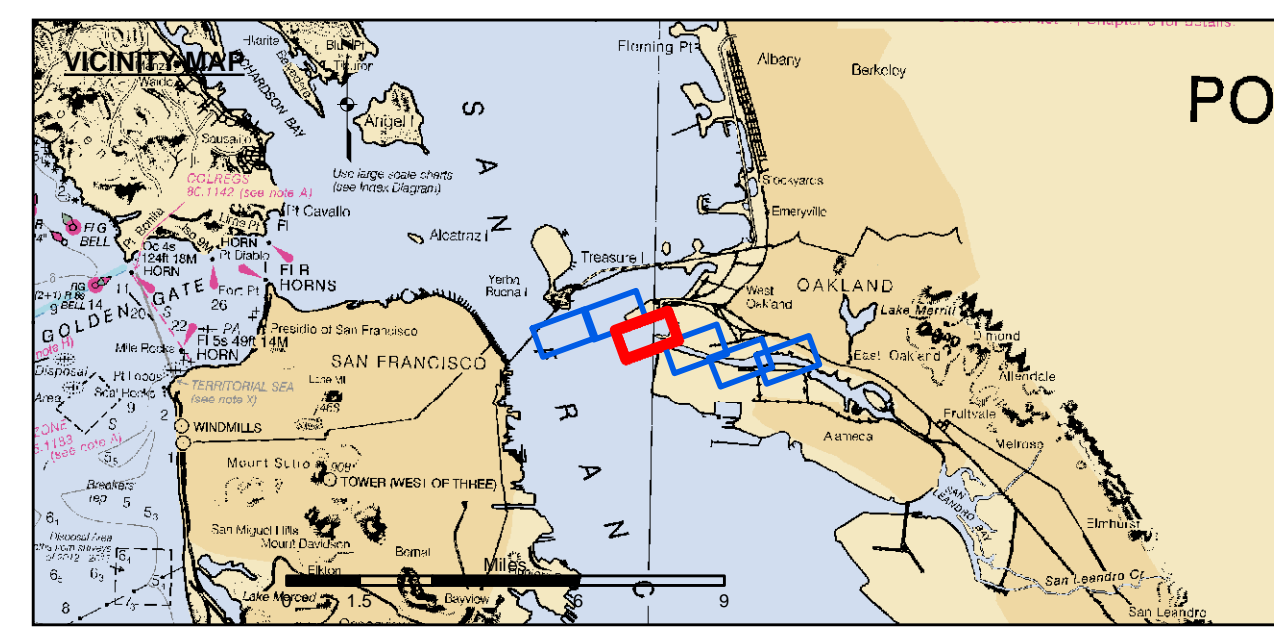
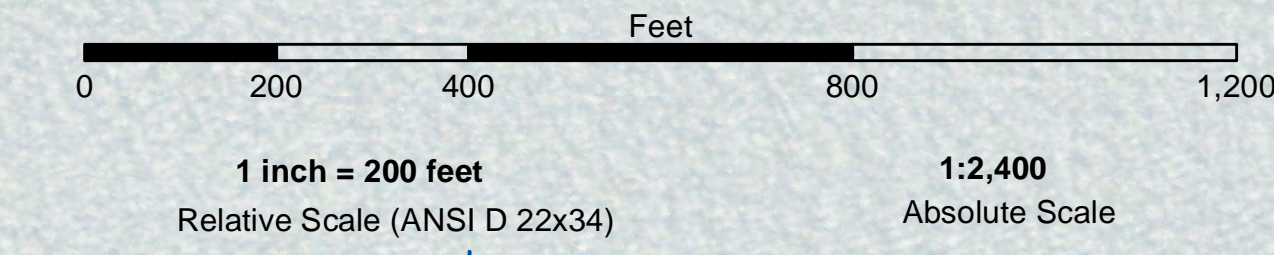
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FLOOD →  
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	Placement Area		Navigation Buoy		-49
	Anchorage Area		Navigation Buoy		-48
	Wreck Area		Shoalest Sounding*		-47
	Submerged Wreck				-46
	Angle Point				

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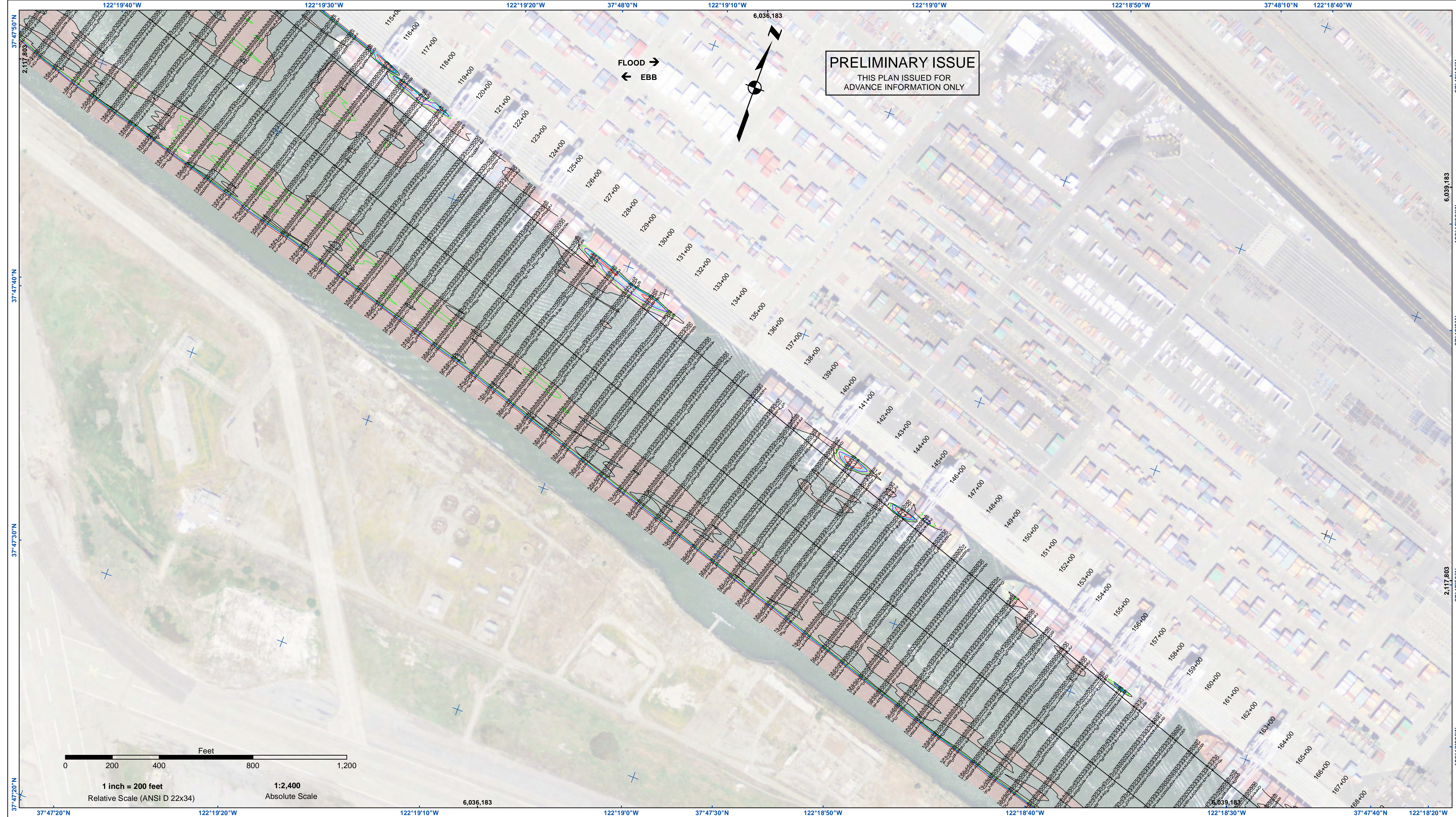
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Project Manager:	

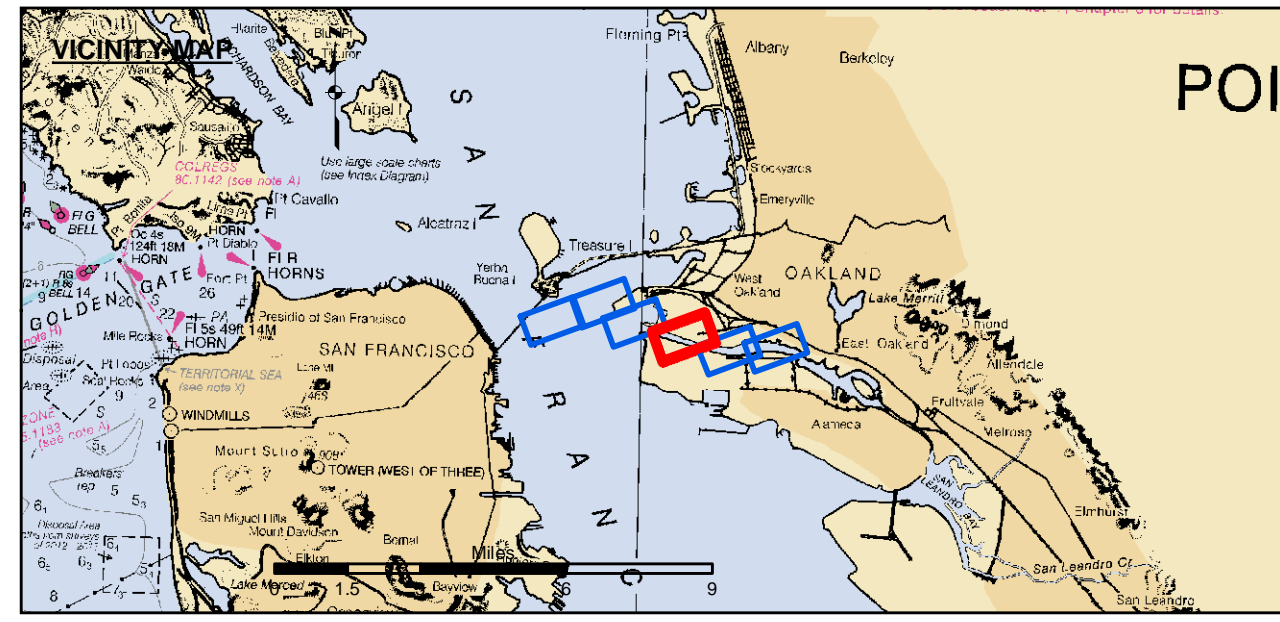
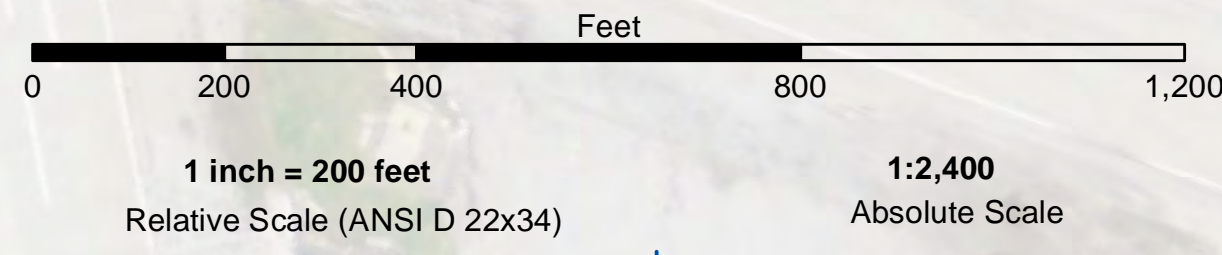
CALIFORNIA  
**OAKLAND HARBOR**  
INNER HARBOR  
CONDITION SURVEY  
11 MAY 2022

**Sheet**  
**Reference**  
**Number**  
**3 of 6**



**PRELIMINARY ISSUE**  
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FLOOD →  
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- |                            |                    |                 |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General    | <b>Contours</b> |
| Shoaling Area              | Obstruction Point  | -50             |
| Placement Area             | Navigation Buoy    | -49             |
| Anchorage Area             | Navigation Buoy    | -48             |
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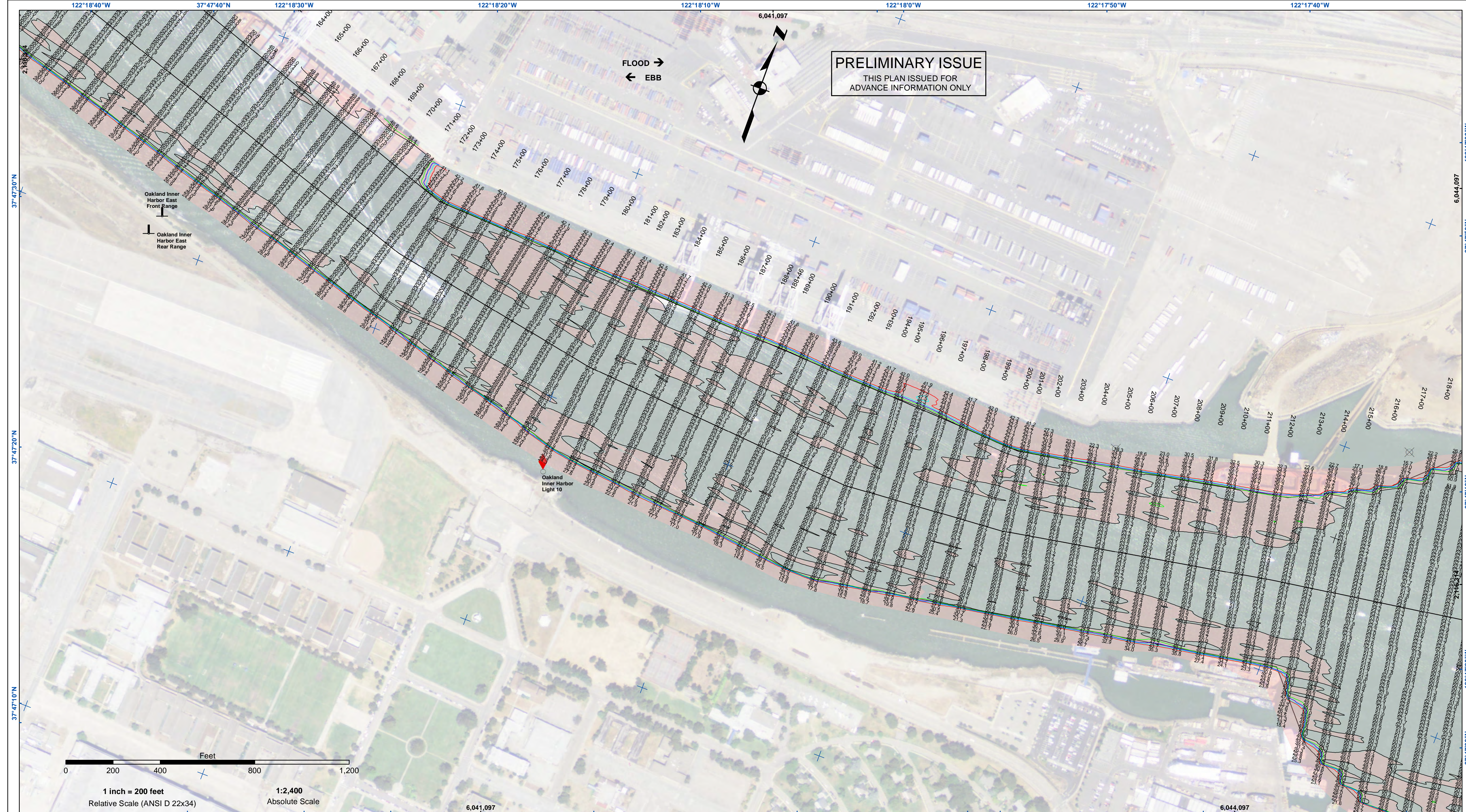


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Prepared Under the Direction of	Chart Date:
KEVIN P. ARNETT	May 17, 2022
LT Colonel, C.E., District Engineer	Designed by:
Submitted:	Hydro Survey Team Leader
Recommended:	Navigation Technical Manager
Approved:	Project Manager
Surveyed By:	Plotted By:
Checked By:	Drawn by:

ALAMEDA COUNTY  
CALIFORNIA  
**OAKLAND HARBOR**  
INNER HARBOR  
CONDITION SURVEY  
11 MAY 2022

**Sheet Reference Number**  
4 of 6



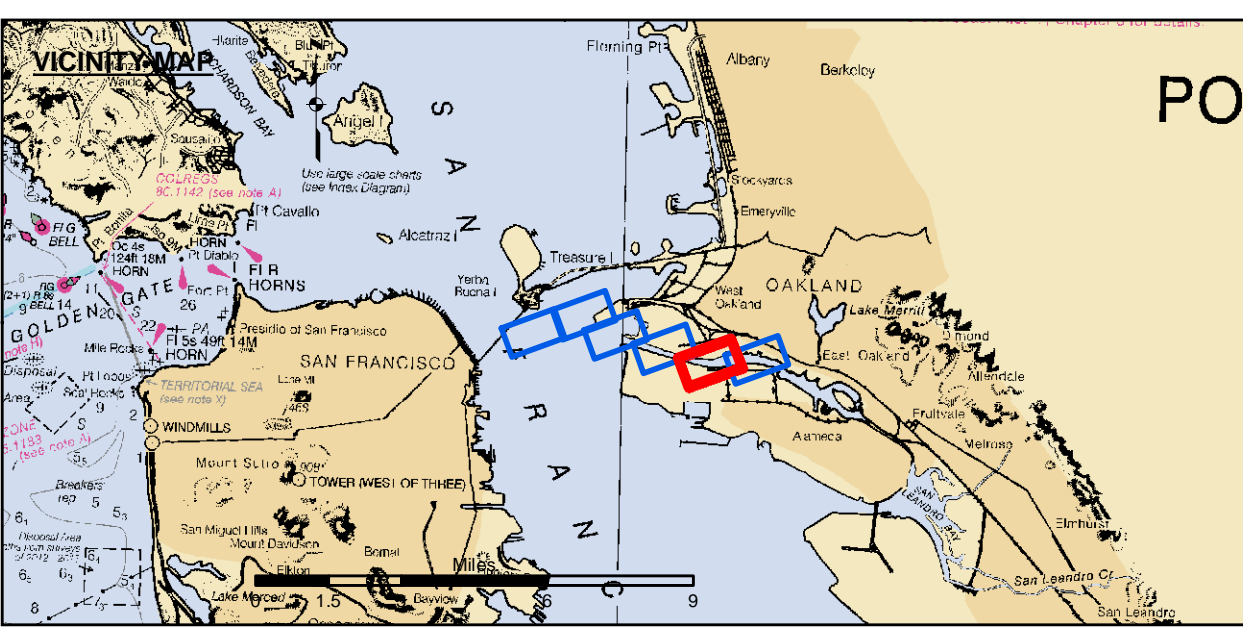
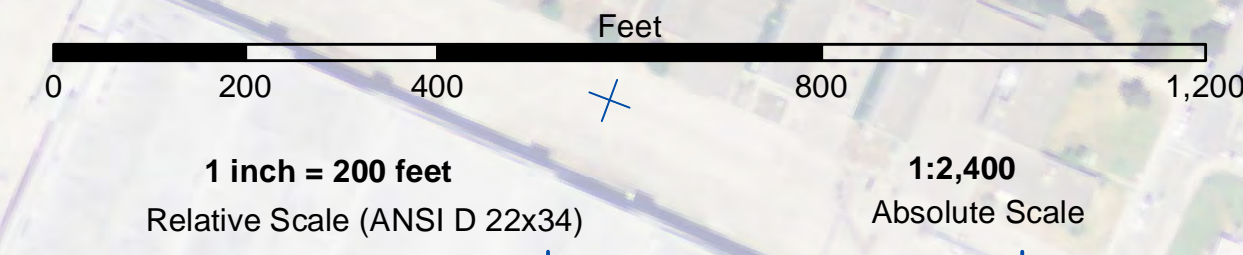
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Oakland Inner Harbor East Front Range  
Oakland Inner Harbor East Rear Range

Oakland Inner Harbor Light 10



- |                            |                    |          |
|----------------------------|--------------------|----------|
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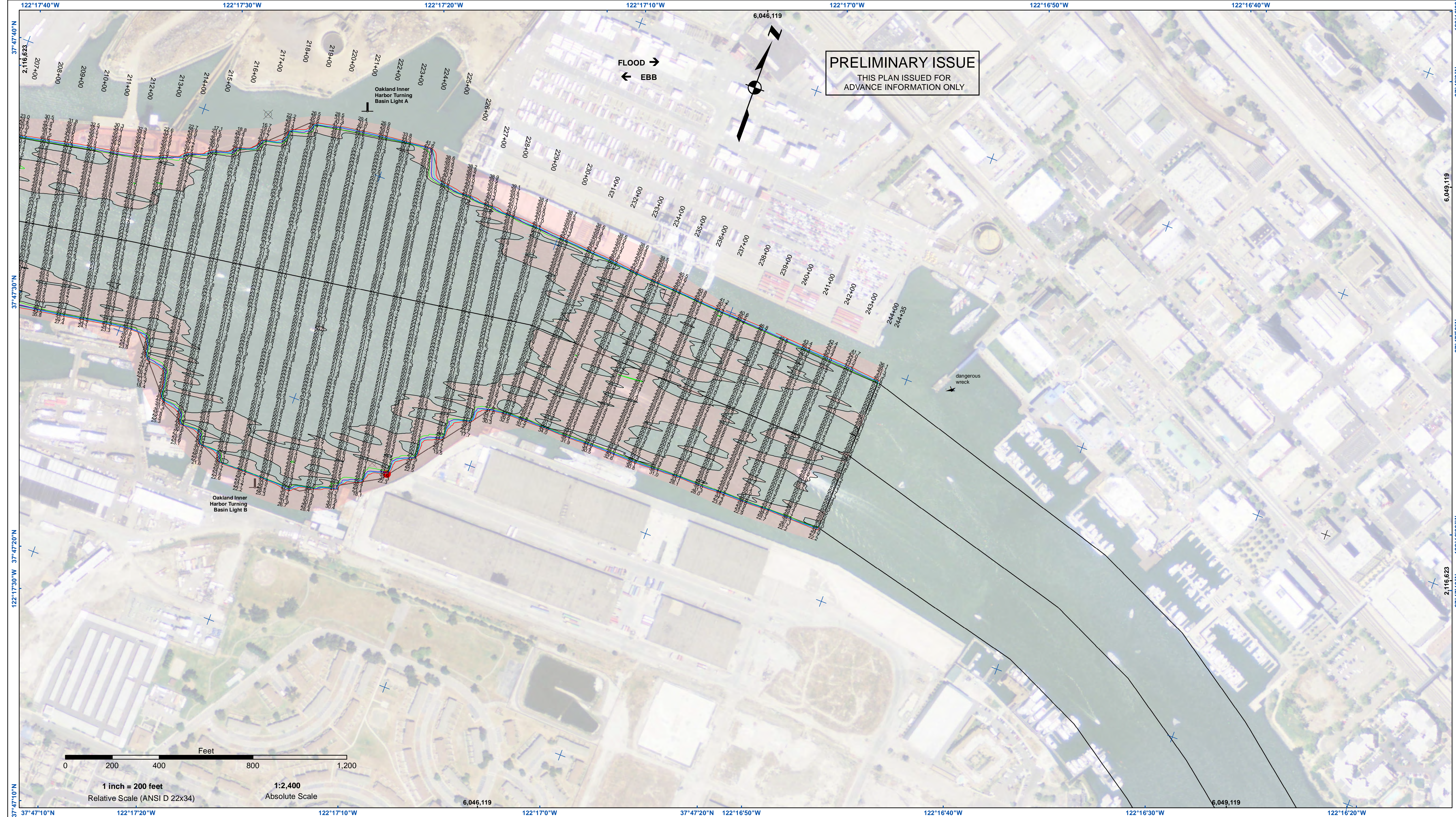
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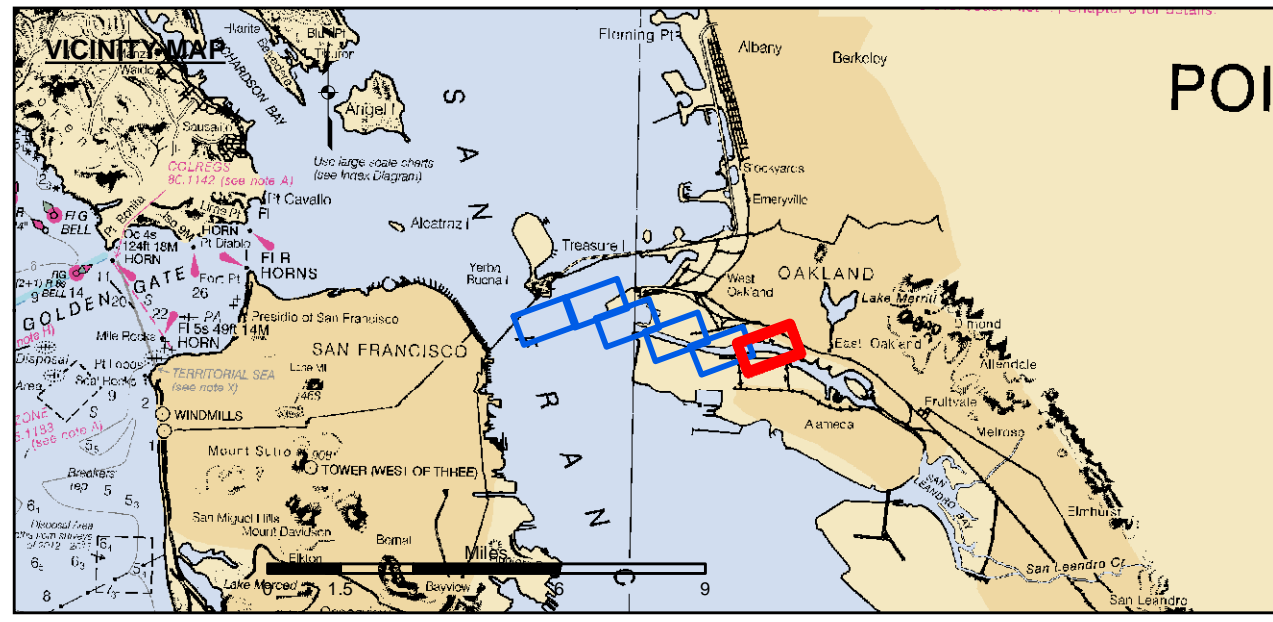
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- 50
  - 49
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NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE III. DISTANCE UNITS IN U.S. SURVEY FEET.  
VERTICAL DATUM:  
SOUNDINGS ARE 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.  
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.  
SURVEYED BY THE CORPS OF ENGINEERS.  
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. THE PROJECT DEPTHS ARE AS FOLLOWS:  
OUTER AND INNER HARBOR IS -50 FEET  
INNER HARBOR TURNING BASIN TO PARK STREET BRIDGE IS -35 FEET.  
TIDAL CANAL PROJECT DEPTH IS -18 FEET.  
PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION, NAD 83, ZONE III CALIFORNIA AS DESCRIBED IN SPECIAL PUBLICATION NO. 238, PUBLISHED BY THE NATIONAL OCEAN SURVEY.  
HORIZONTAL CONTROL:  
PRIMARY: RTK POSITIONING  
SECONDARY: COAST GUARD DGPS D-BEACON  
VERTICAL CONTROL:  
PPCP: PORT 1 1936/PID HT0854  
OAKLAND INNER REACH 4+8 DISK SET AT SOUTH END OF CLAY STREET, AT THE PORT OF OAKLAND CLAY STREET PIER. ELEVATION: 9.56 FEET MLLW - PUBLISHED 21 APR 2003 ON NOAA STATION 941 4764 TIDE GAUGE LOCATION IS CHISEL MARK APPROX. 10 FEET WEST ON TOP OF CONCRETE CURB; CHISEL ELEVATION 11.0 FEET MLLW.  
LPOP 1: 941 4777 B TIDAL/PID AE211, OAKLAND INNER REACH 1+3 DISK SET IN BALLARD FOUNDATION NEAR THE NORTHEAST END OF BERTH 40 OF THE OAKLAND MIDDLE HARBOR. ELEVATION: 13.48 FEET MLLW - DERIVED FROM WGS-84 ELLIPSOID ELEVATION, GEOID09 AND VDATUM MODELS  
TIDE GAUGE LOCATION IS IN FACE OF PILING AT BERTH 37; NAIL ELEVATION 9.7 FEET MLLW.  
LPOP 2: OAK OUTER 1 2012ND PID, OAKLAND OUTER REACH 7-10 DISK SET IN PARKING LOT AT PIER 6 AMNAV TUG TERMINAL AT THE EDGE OF THE PIER. ELEVATION: 14.04 FEET MLLW - DERIVED FROM WGS-84 ELLIPSOID ELEVATION, GEOID09 AND VDATUM MODELS TIDE GAUGE LOCATION IS IN FACE OF PILING AT PIER 6, 10' EAST OF BENCHMARK; NAIL ELEVATION 10.1 FEET MLLW.

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

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Chart Date:	May 17, 2022
Designed by:	
Drawn by:	
Checked by:	
Project Manager:	

CALIFORNIA  
ALAMEDA COUNTY  
**OAKLAND HARBOR**  
INNER HARBOR  
CONDITION SURVEY  
11 MAY 2022

**Sheet**  
**Reference**  
**Number**  
**6 of 6**