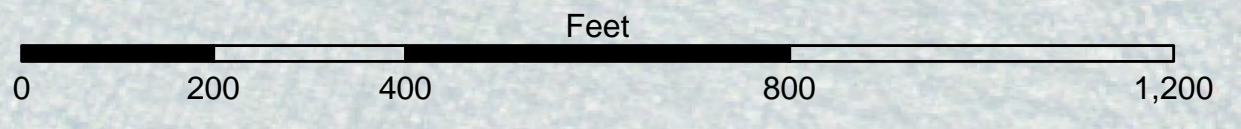


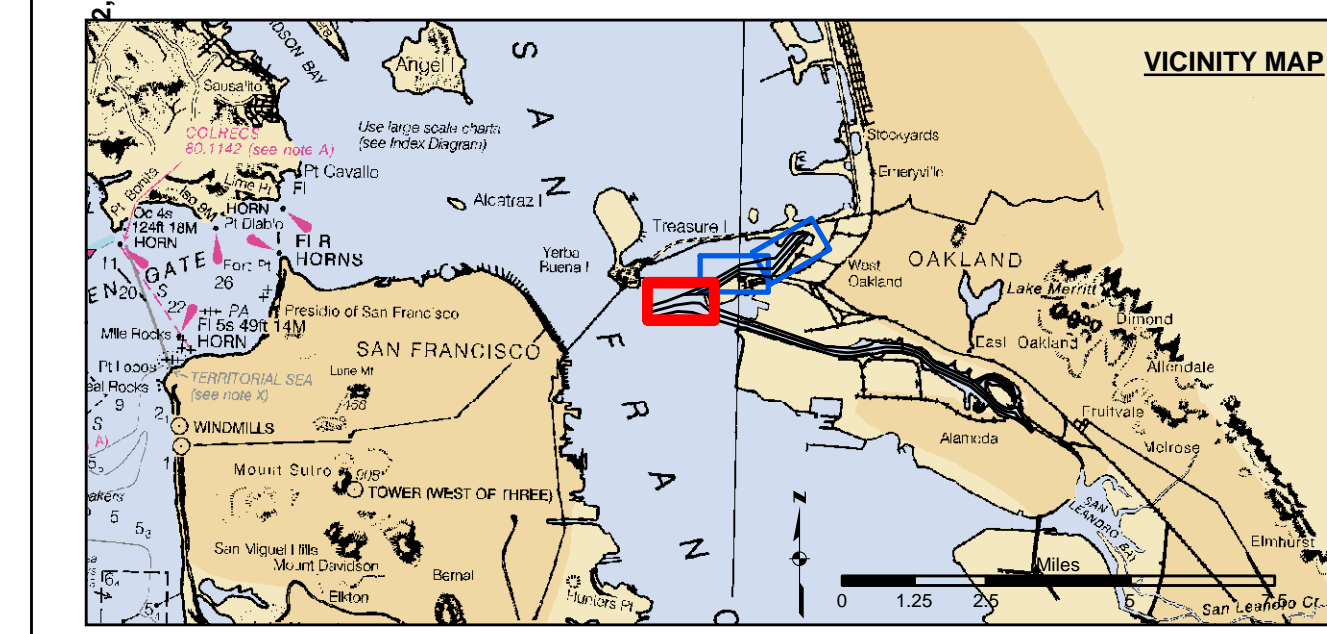
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ADVANCE INFORMATION ONLY



FLOOD →  
← EBB



1 inch = 200 feet  
Relative Scale (ANSI D 22x34)      1:2,400  
Absolute Scale



- |                            |                    |          |
|----------------------------|--------------------|----------|
| 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:**  
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SURVEYED BY THE CORPS OF ENGINEERS.

**VERTICAL CONTROL:**  
PPCP, PORT 1 1836PID HT10054, OAKLAND INNER, REACH 4-6 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.  
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**HORIZONTAL CONTROL:**  
PRIMARY: RTK POSITIONING  
SECONDARY: COAST GURAD DGPS D-BEACON

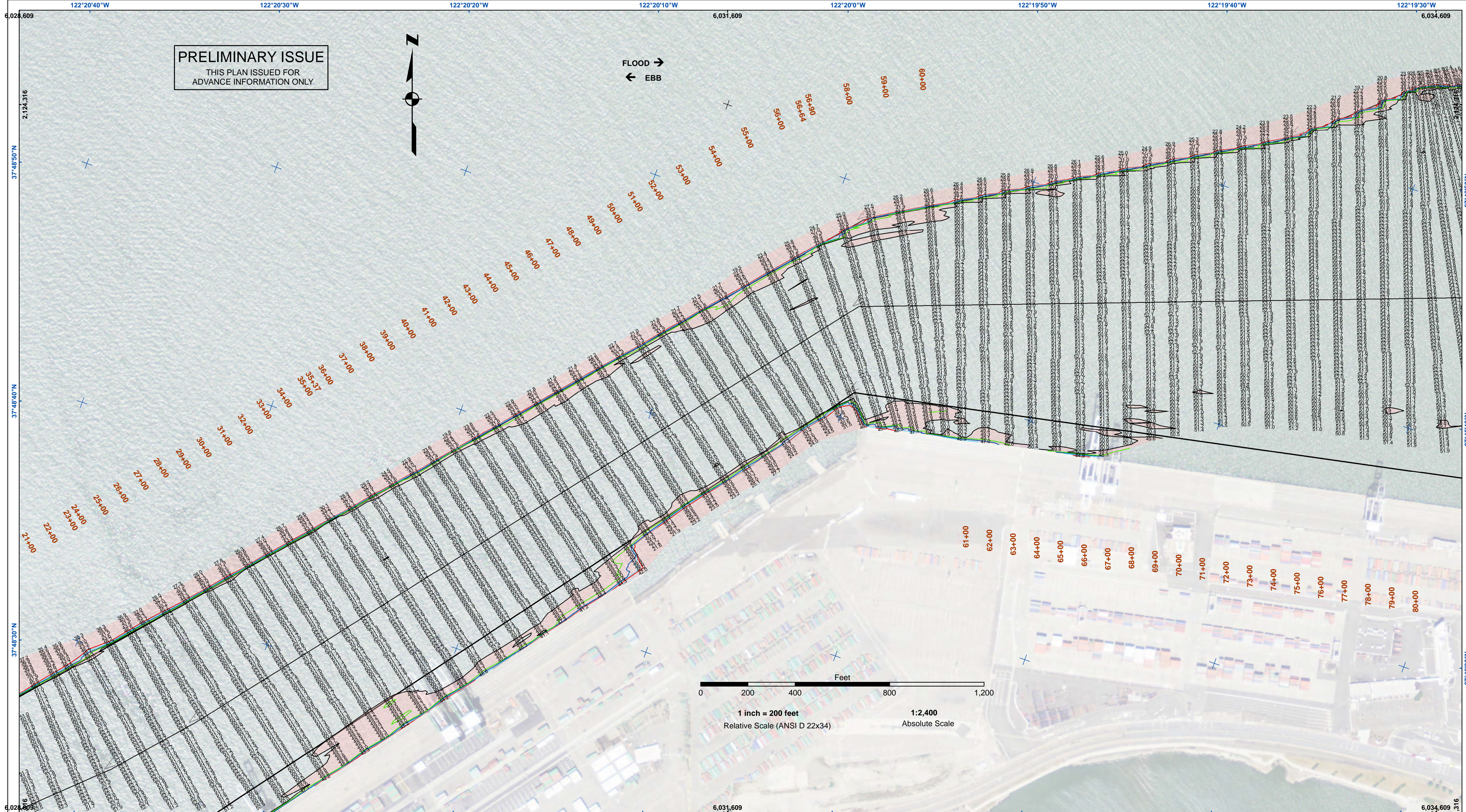


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Prepared Under the Direction of:	Chart Date:
LT COLONEL C.E. RAYFIELD	Mar 28, 2019
Submittal:	Designed by:
Hydro Survey Team Leader	
Recommendation:	Drawn by:
Navigation Technical Manager	
Approval:	Checked by:
Project Manager	

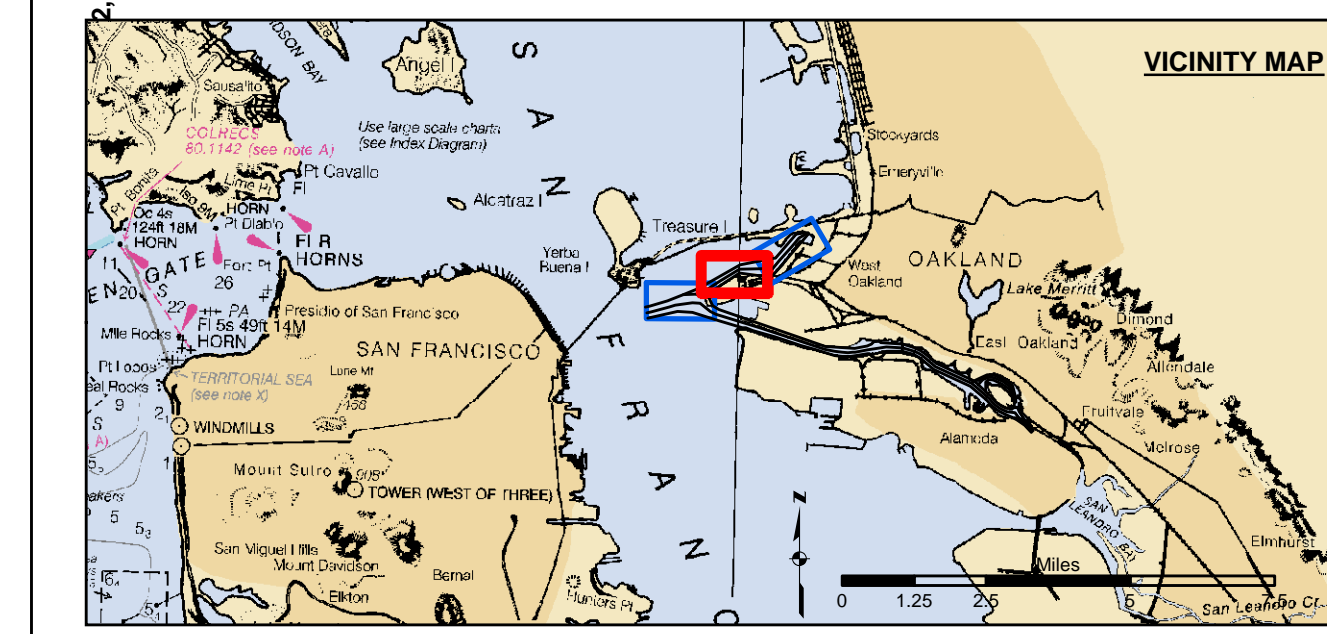
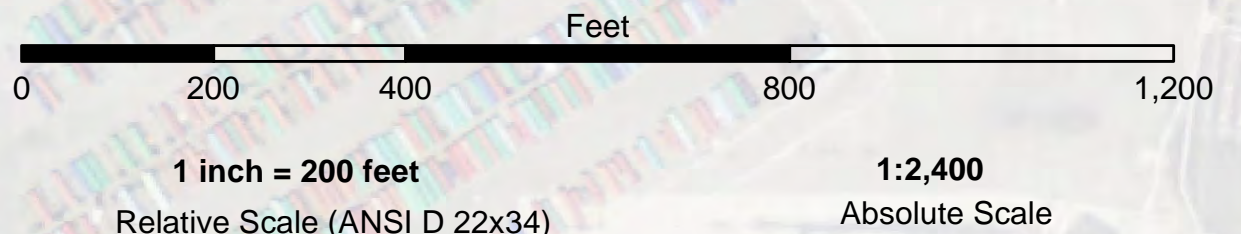
ALAMEDA COUNTY  
OAKLAND HARBOR  
OUTER HARBOR  
CONDITION SURVEY  
18 MARCH 2019

Sheet  
Number  
1 of 3



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FLOOD →  
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- 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
- 50
- 49
- 48
- 47
- 46

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PROJECT DEPTH OF OUTER AND INNER HARBOR IS -50 FEET.  
DRAWING DEPTH FROM INNER HARBOR TURNING BASIN TO PARK STREET BRIDGE IS 35 FEET.  
TIDAL CANAL PROJECT DEPTH IS 18 FEET.

**VERTICAL CONTROL:**  
PCPC: PORT 1 1836PID HT0654.  
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**HORIZONTAL CONTROL:**  
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SECONDARY: COAST GURAD DGPS D-BEACON

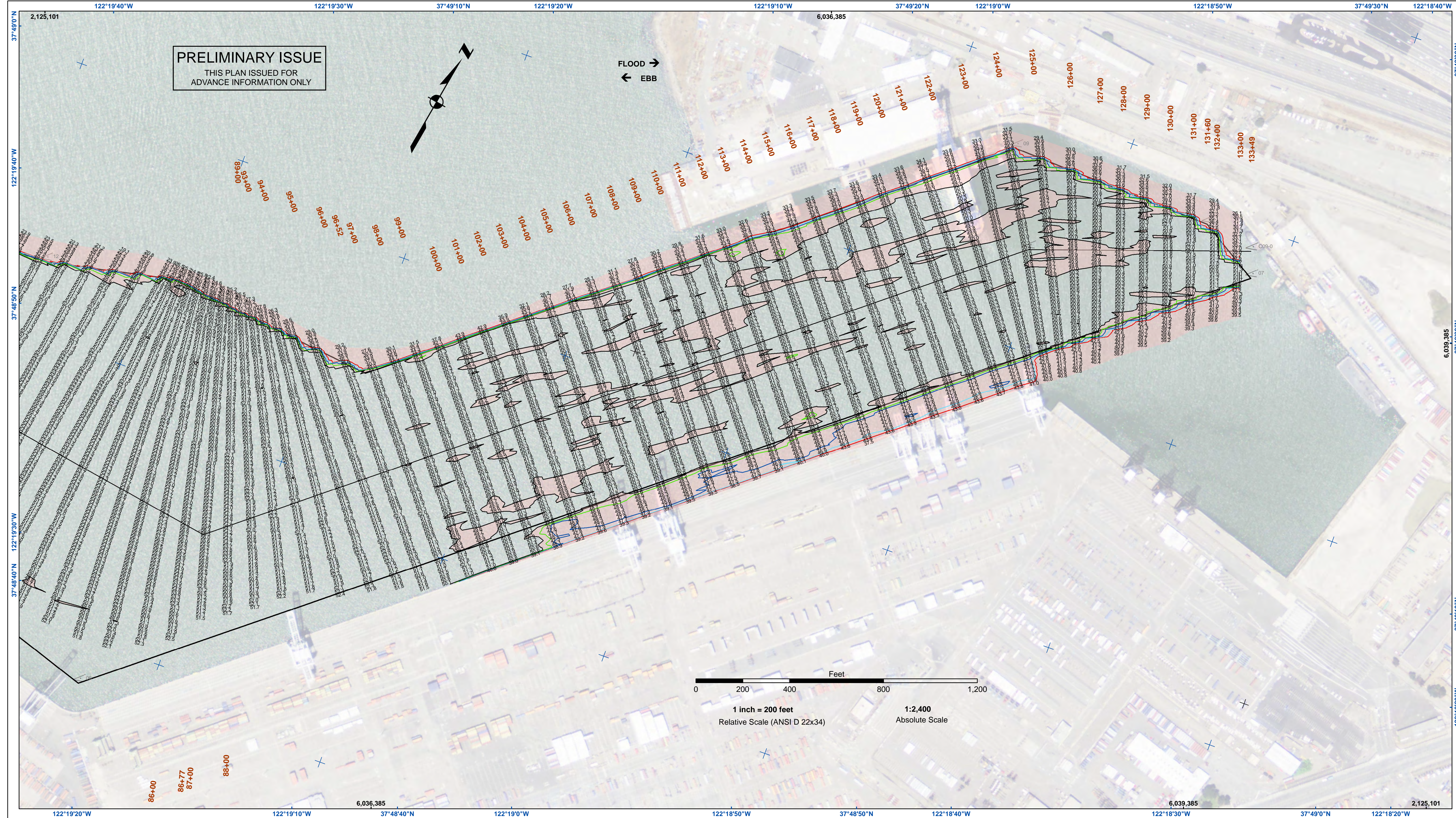
**US Army Corps of Engineers**  
San Francisco District  
450 Golden Gate Ave  
San Francisco, CA 94102

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Prepared Under the Direction of:	Chart Date:
LT COLONEL C.E. DISTRICT ENGINEER	Mar 28, 2019
Submittal:	Designed by:
Hydro Survey Team Leader	
Recommended:	Drawn by:
Navigation Technical Manager	
Approved:	Checked by:
Project Manager	

ALAMEDA COUNTY  
**OAKLAND HARBOR**  
OUTER HARBOR  
CONDITION SURVEY  
18 MARCH 2019

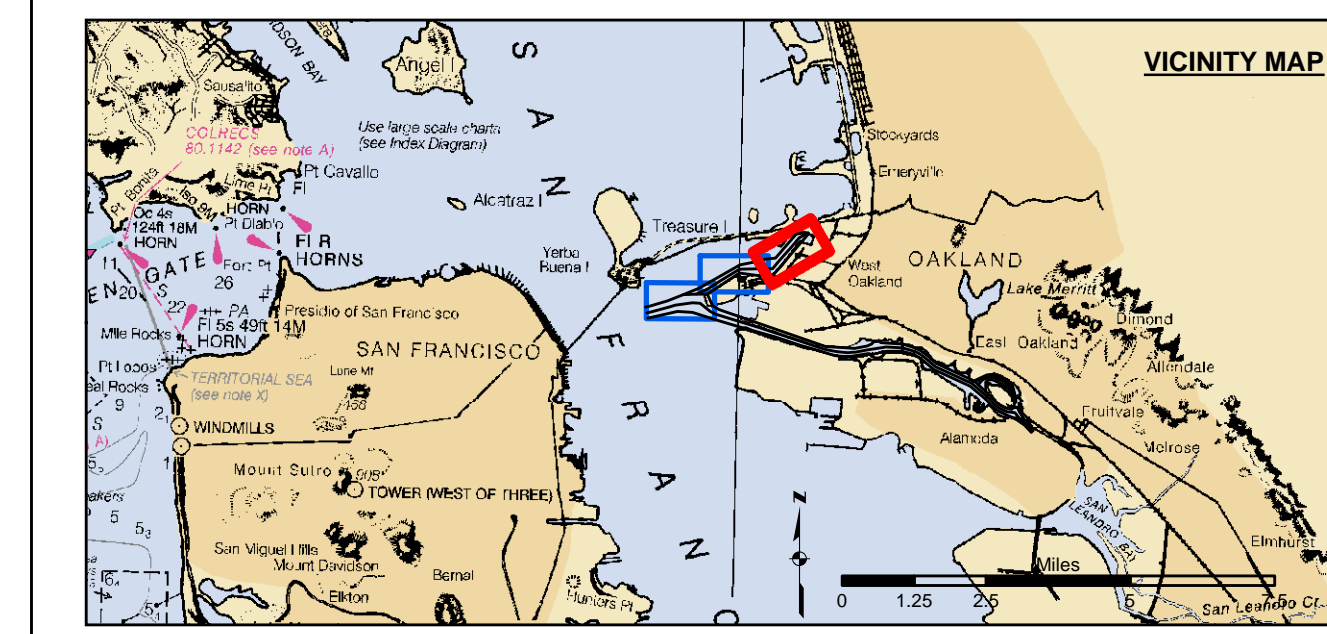
**Sheet Reference Number**  
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FLOOD →  
← EBB

0 200 400 800 1,200  
Feet  
1 inch = 200 feet  
Relative Scale (ANSI D 22x34) 1:2,400  
Absolute Scale



- |  |                            |  |                    |  |          |
|--|----------------------------|--|--------------------|--|----------|
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Prepared Under the Direction of:	Chart Date:
LT COLONEL C.E. DISTRICT ENGINEER	Mar 28, 2019
Surveyed By:	Designed by:
TRAVIS J. RAYFIELD	
Plotted By:	Drawn by:
Hydro Survey Team Leader	
Recommended:	Checked By:
Navigation Technical Manager	
Approved:	Project Manager

ALAMEDA COUNTY  
OAKLAND HARBOR  
OUTER HARBOR  
CONDITION SURVEY  
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