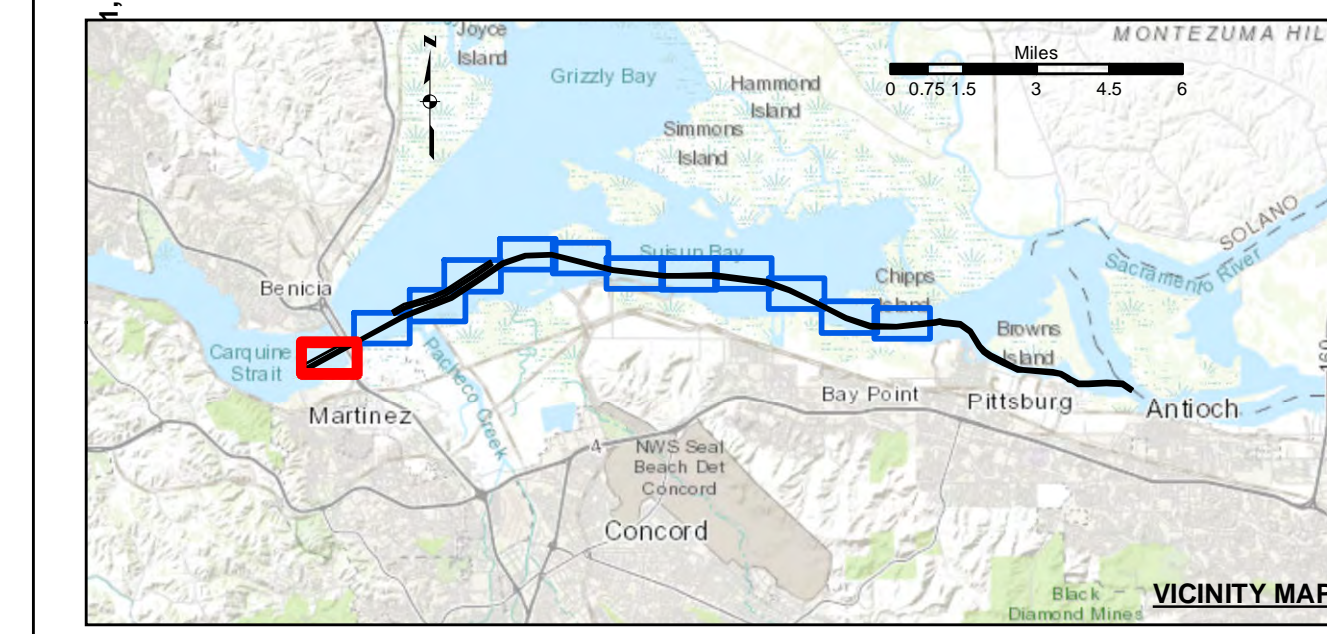
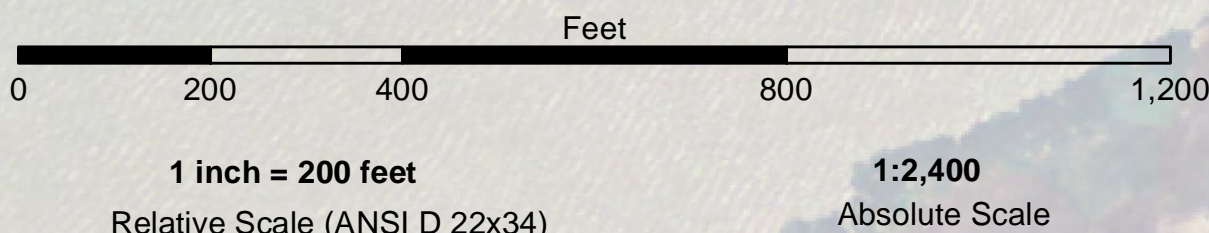


**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY



- |                            |                    |                 |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General    | <b>Contours</b> |
| Shoaling Area              | Obstruction Point  |                 |
| Placement Area             | Navigation Buoy    |                 |
| Anchorage Area             | Navigation Buoy    |                 |
| Wreck Area                 | Shoalest Sounding* |                 |
| Submerged Wreck            |                    | -35             |
| Angle Point                |                    | -34             |
|                            |                    | -33             |
|                            |                    | -32             |
|                            |                    | -31             |

**NOTES:**  
HORIZONTAL COORDINATE SYSTEM: NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE II. 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.  
PLANE GRID, BEARING AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE II NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY NATIONAL OCEAN SURVEY, USCGS DISK, ELEV 11.83 FT MLLW. 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.

SURVEYED BY THE CORPS OF ENGINEERS.  
REACH 2 (62+00-88+00) and REACH 3(ABCDE (88+00-380+00)).  
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.  
THE PROJECT DEPTH IS 35 FEET.  
VERTICAL CONTROL: SUISUN BAY CHANNEL (LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USCGS DISK ELEV 14.875 FT MLLW. TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK.  
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(LINES 660+00 TO 733+45) BENCHMARK "5098-B", USCGS DISK, ELEV 21.76 FT MLLW. TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.  
HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

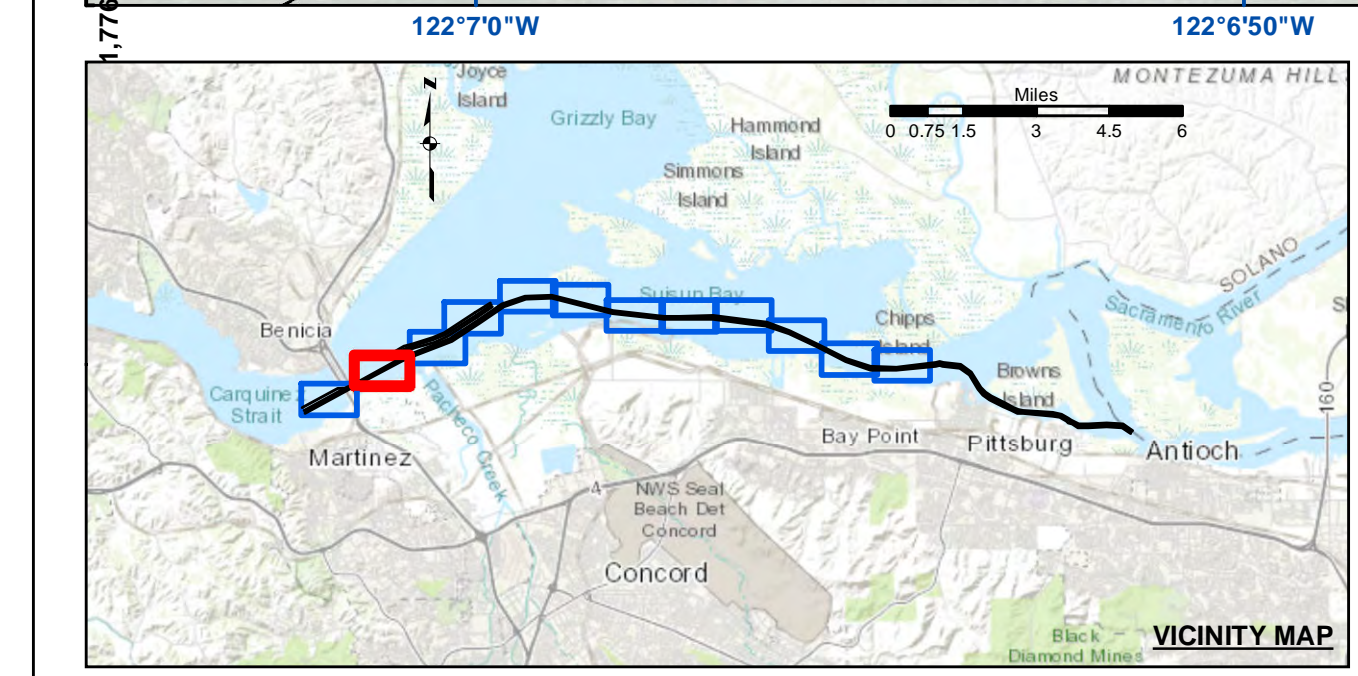
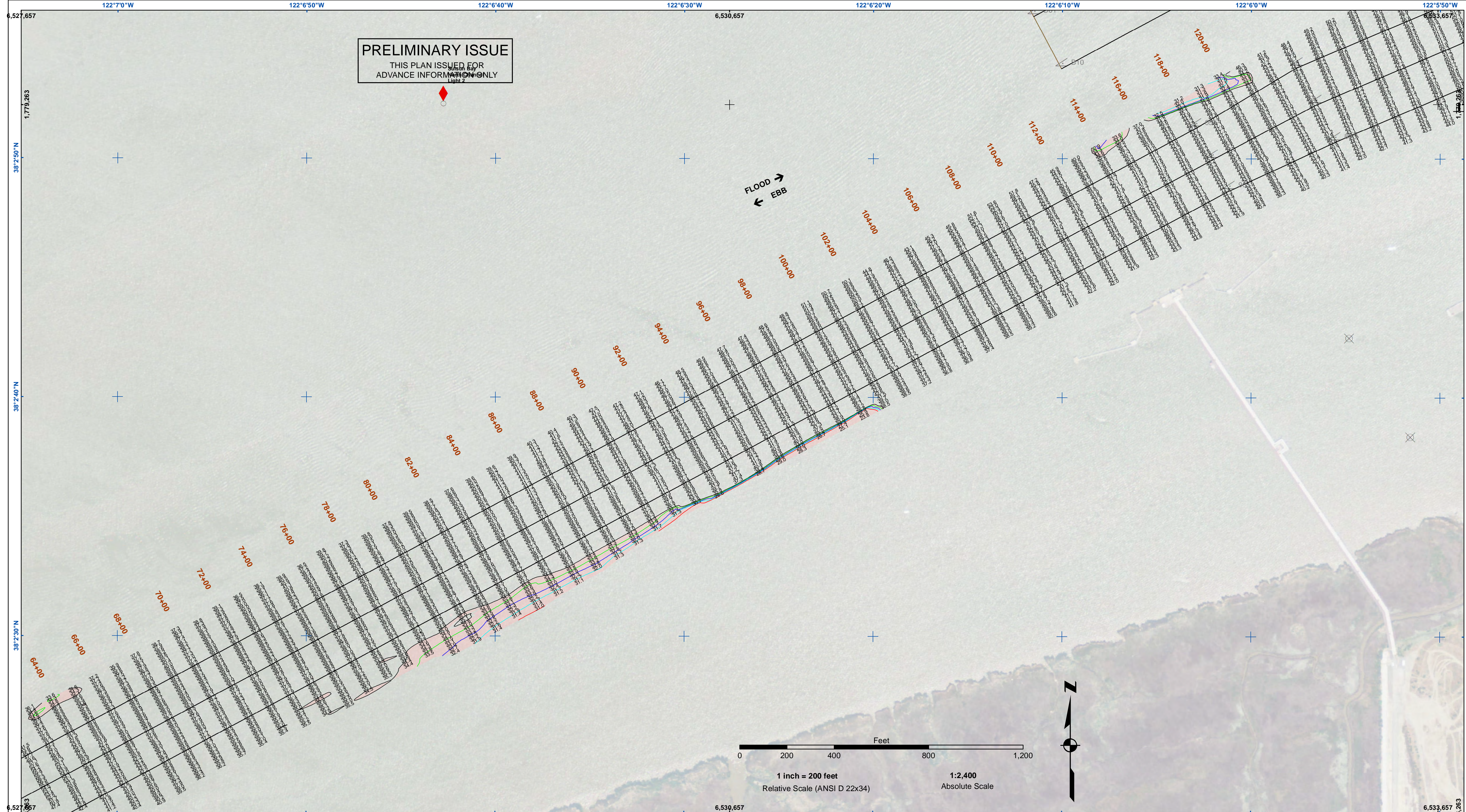


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PREPARED UNDER THE DIRECTION OF <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Oct 27, 2020
Submittal: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Plotted by: PDT
Approval: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

CALIFORNIA  
**SUISUN BAY CHANNEL**  
REACH 2 AND REACH 3(ABCDE)  
POST-DREDGE SURVEY  
16, 22-23 OCTOBER 2020

**Sheet Reference Number**  
1 of 12



Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	
Anchorage Area	Navigation Buoy	
Wreck Area	Shoalest Sounding*	
Submerged Wreck		-35
Angle Point		-34
		-33
		-32
		-31

NOTES:  
 HORIZONTAL COORDINATE SYSTEM:  
 NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE II. DISTANCE UNITS IN U.S. SURVEY FEET.  
 VERTICAL DATUM:  
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 TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.  
 HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

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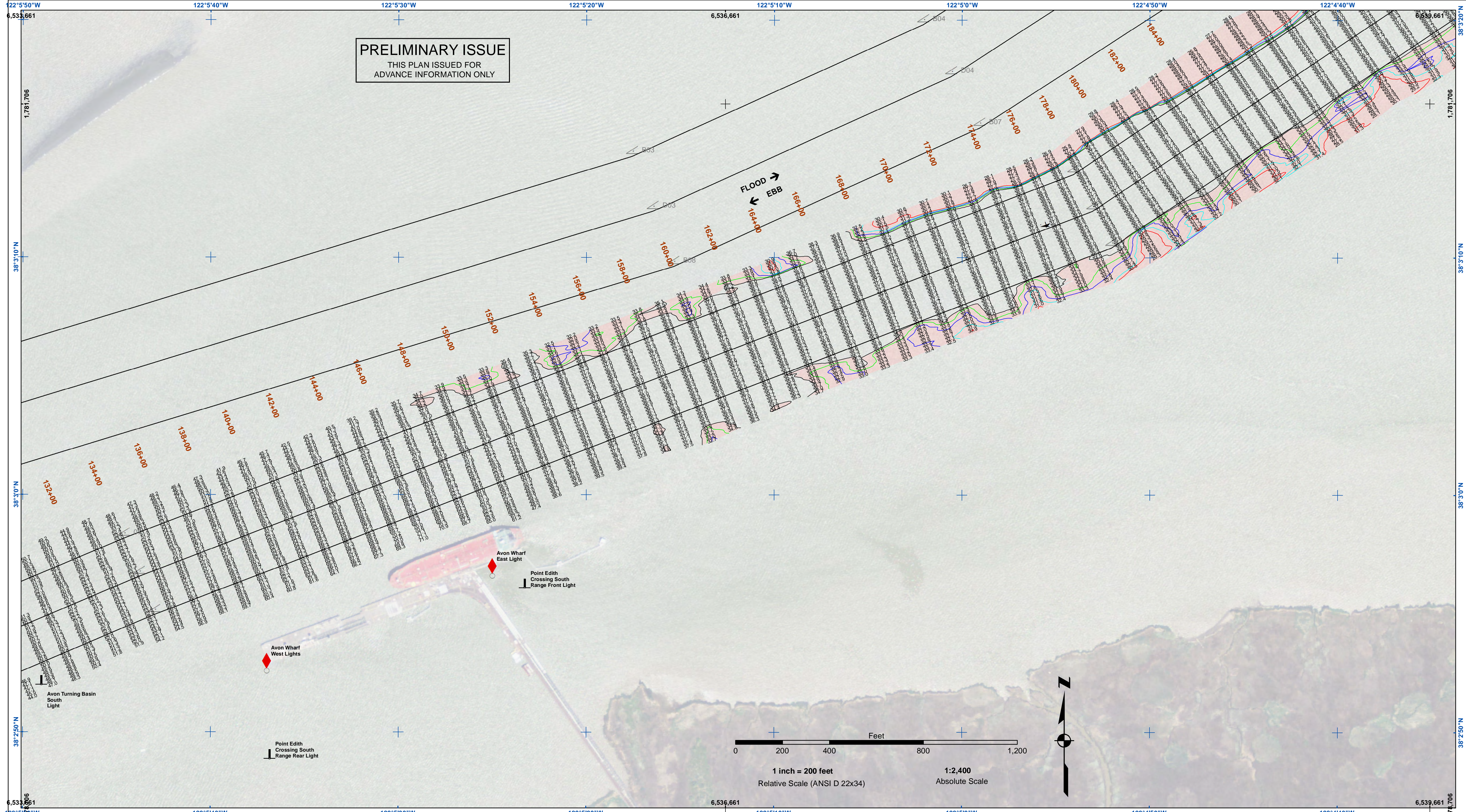


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Submitted: Hydro Survey Team Leader	Plotted By: PDT	Oct 27, 2020
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Designed by:
Approved: Chief, Construction Branch	Drawn by: PDT	

CALIFORNIA  
**SUISUN BAY CHANNEL**  
 REACH 2 AND REACH 3ABCDE  
 POST-DREDGE SURVEY  
 16, 22-23 OCTOBER 2020

**Sheet Reference**  
 Number  
 2 of 12



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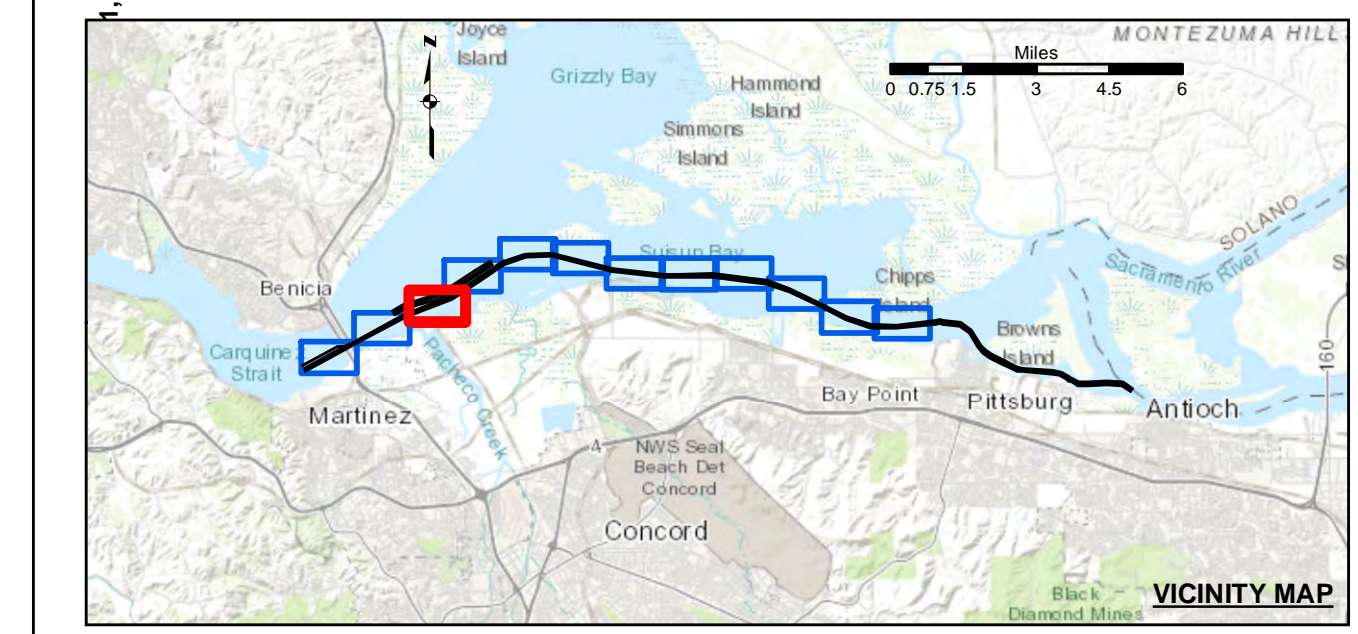
**US Army Corps of Engineers**  
San Francisco District  
1455 Market Street  
San Francisco, CA 94103

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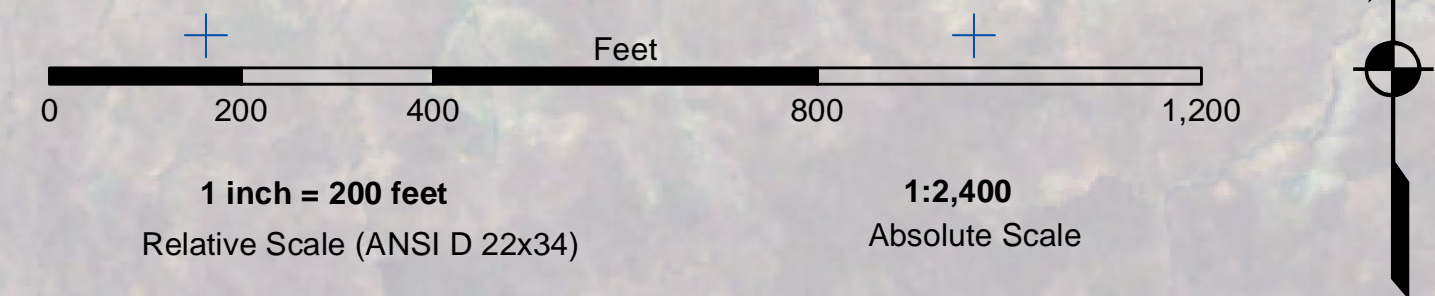
**CALIFORNIA**  
**CONTRA COSTA COUNTY**  
**SUISUN BAY CHANNEL**  
**REACH 2 AND REACH 3 ABCDE**  
**POST-DREDGE SURVEY**  
**16, 22-23 OCTOBER 2020**

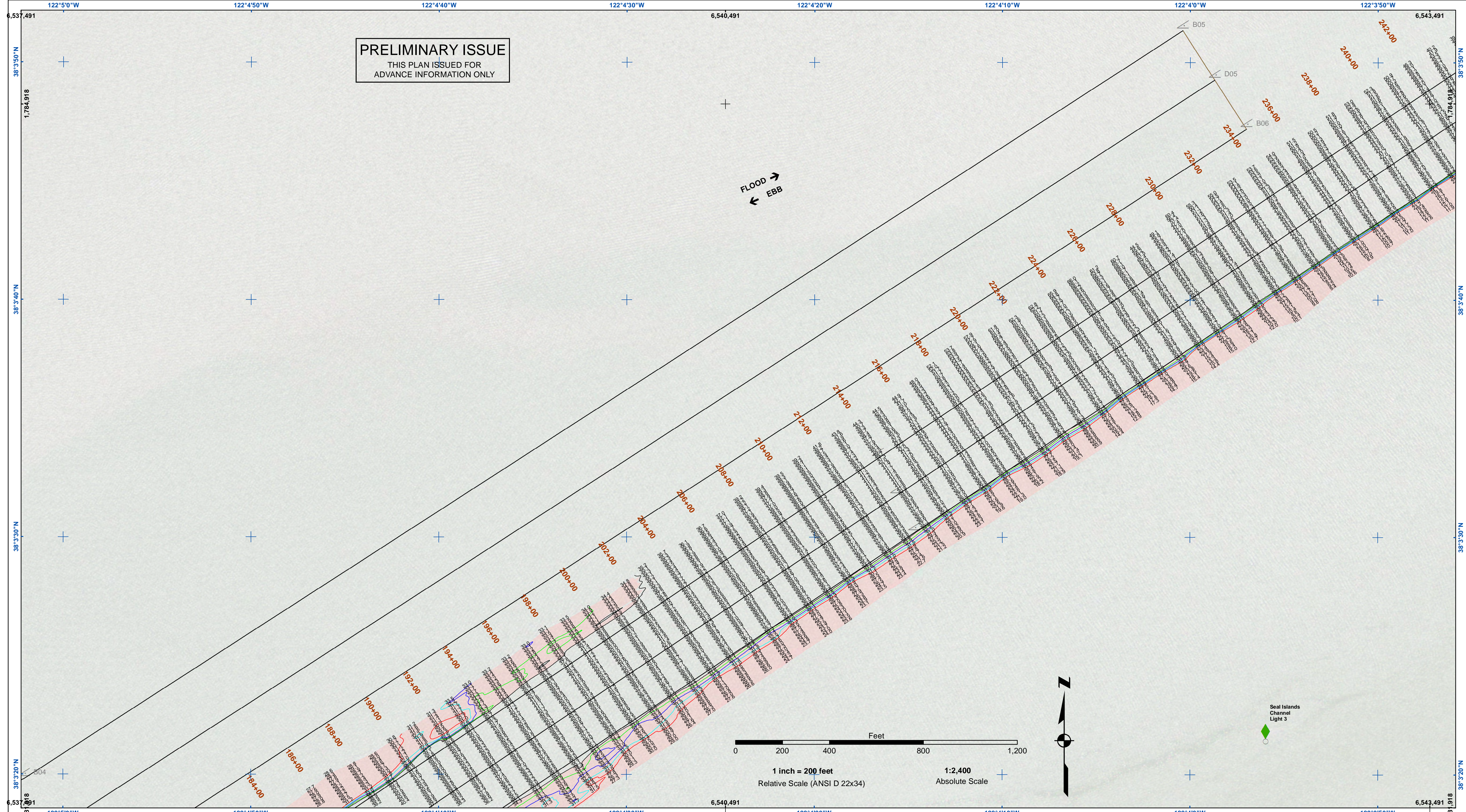
**Sheet Reference Number**  
**3 of 12**



Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	-35
Placement Area	Navigation Buoy	-34
Anchorage Area	Navigation Buoy	-33
Wreck Area	Shoalest Sounding*	-32
Submerged Wreck		-31
Angle Point		

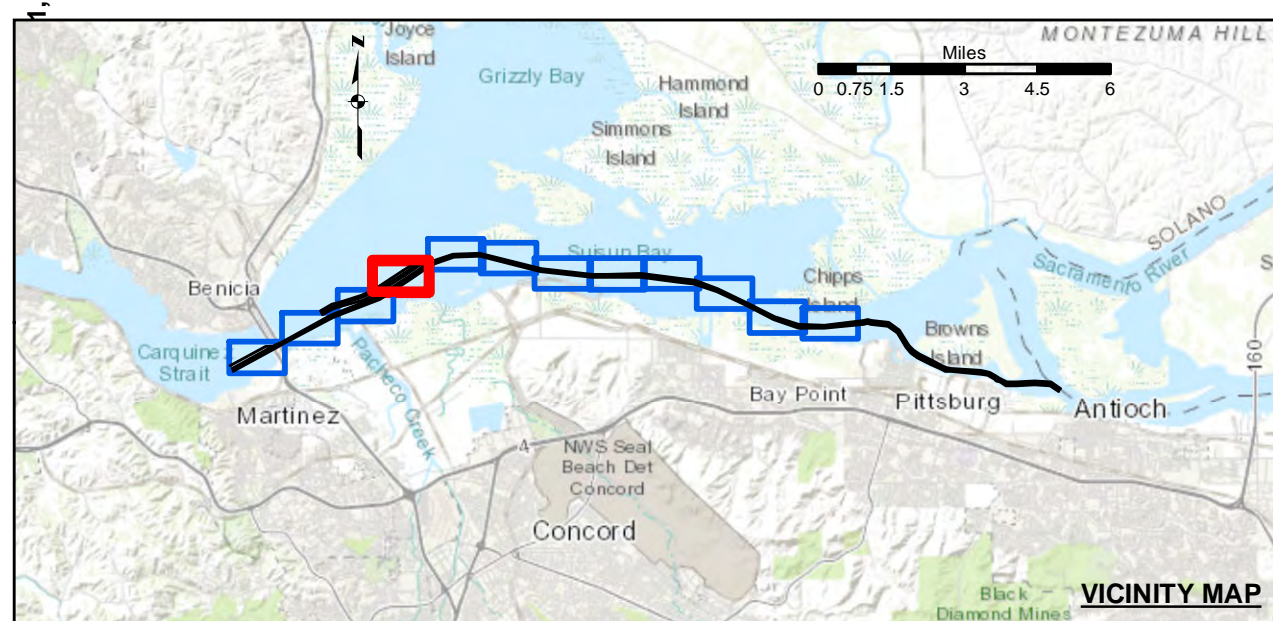
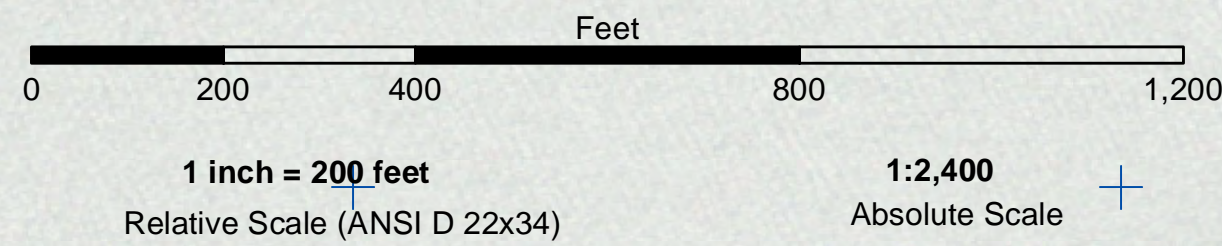
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Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	
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		-33
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HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

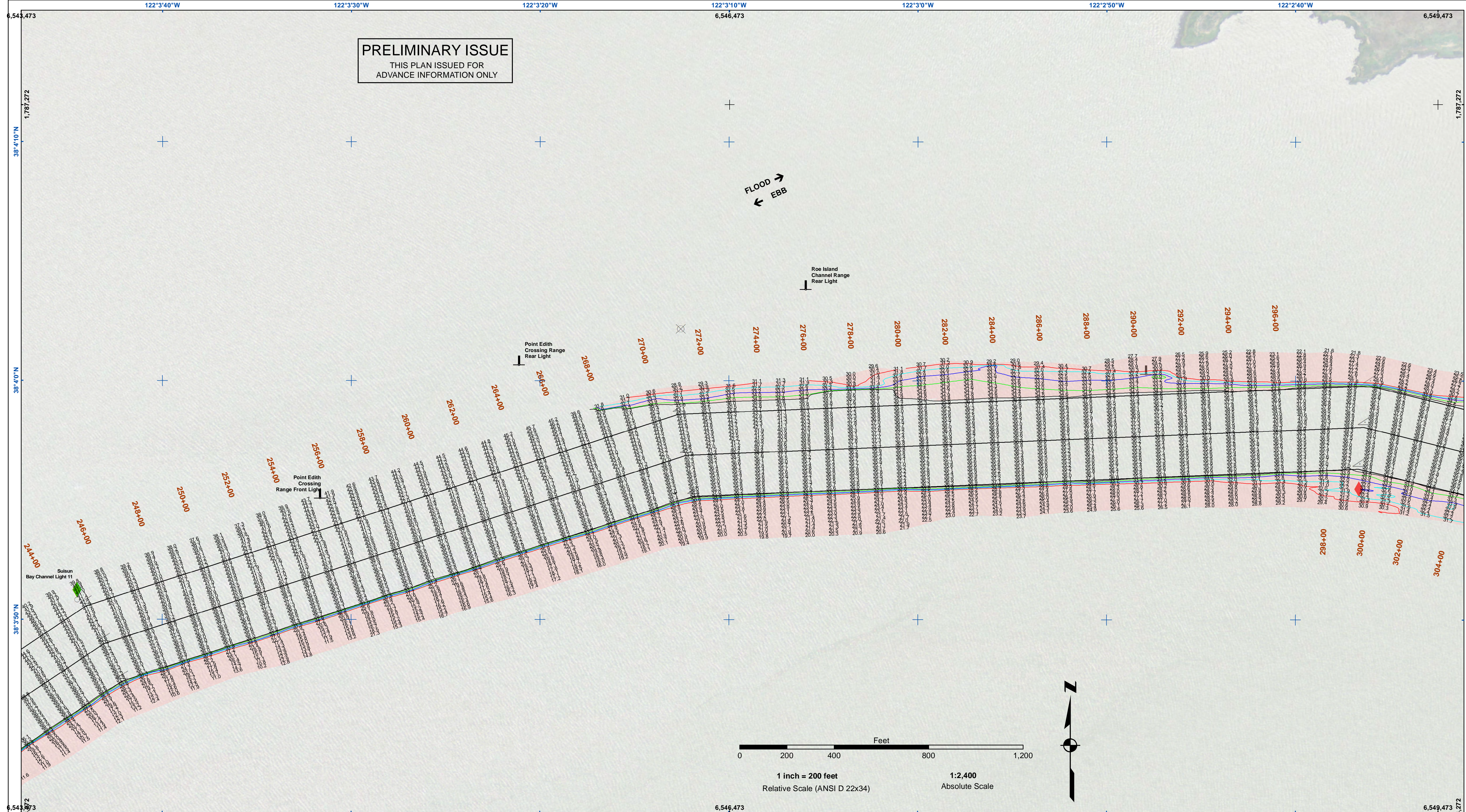


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Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E., DISTRICT ENGINEER	Surveyed By:	Chart Date:
Submitted: Hydro Survey Team Leader	Plotted By: PDT	Oct 27, 2020
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Designed by:
Approved: Chief, Construction Branch	Drawn by: PDT	

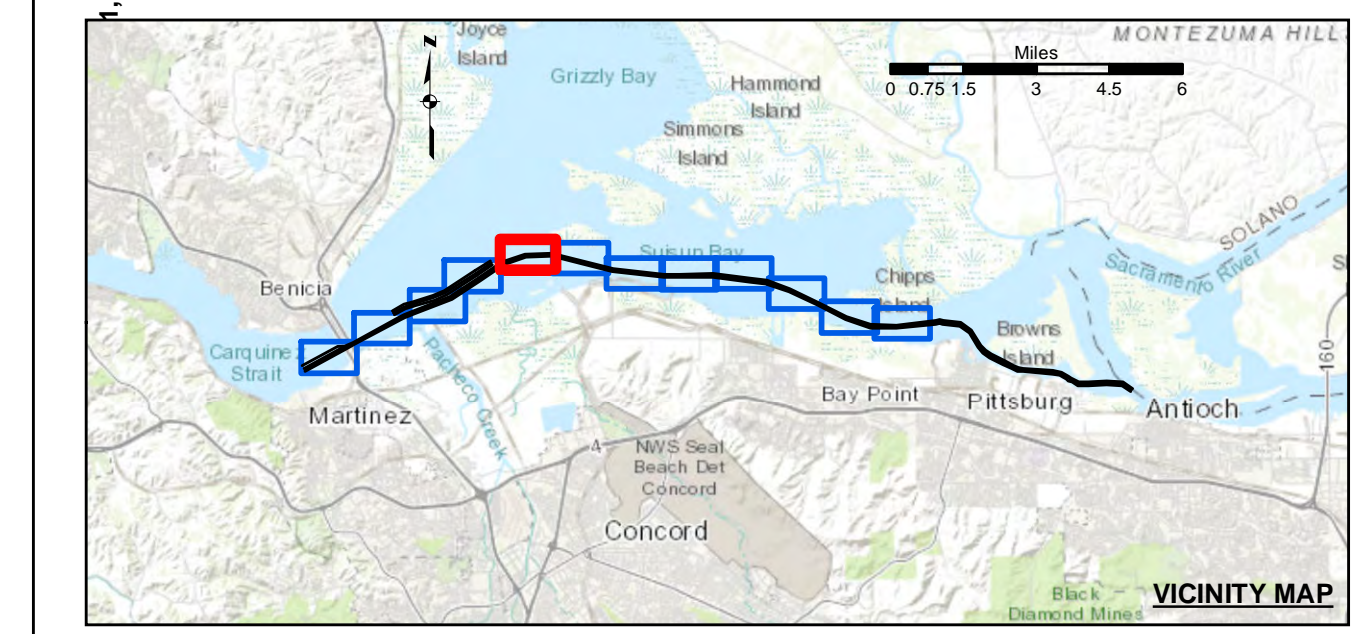
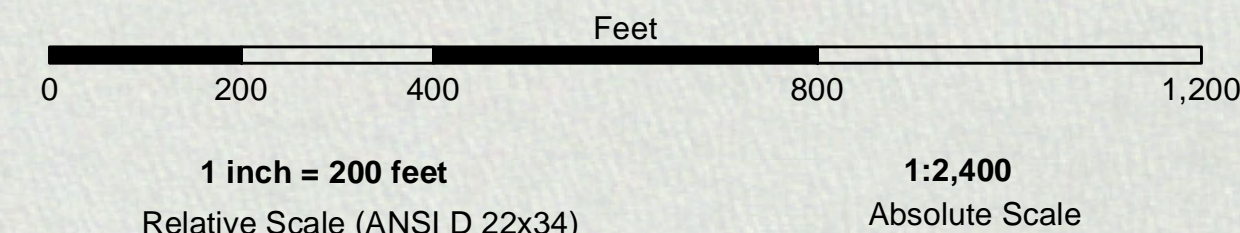
CALIFORNIA  
**SUISUN BAY CHANNEL**  
REACH 2 AND REACH 3ABCDE  
POST-DREDGE SURVEY  
16, 22-23 OCTOBER 2020

**Sheet Reference Number**  
4 of 12



**PRELIMINARY ISSUE**  
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- |                            |                    |                 |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General    | <b>Contours</b> |
| Shoaling Area              | Obstruction Point  |                 |
| Placement Area             | Navigation Buoy    |                 |
| Anchorage Area             | Navigation Buoy    |                 |
| Wreck Area                 | Shoalest Sounding* |                 |
| Submerged Wreck            |                    | -35             |
| Angle Point                |                    | -34             |
|                            |                    | -33             |
|                            |                    | -32             |
|                            |                    | -31             |

NOTES:  
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HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

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

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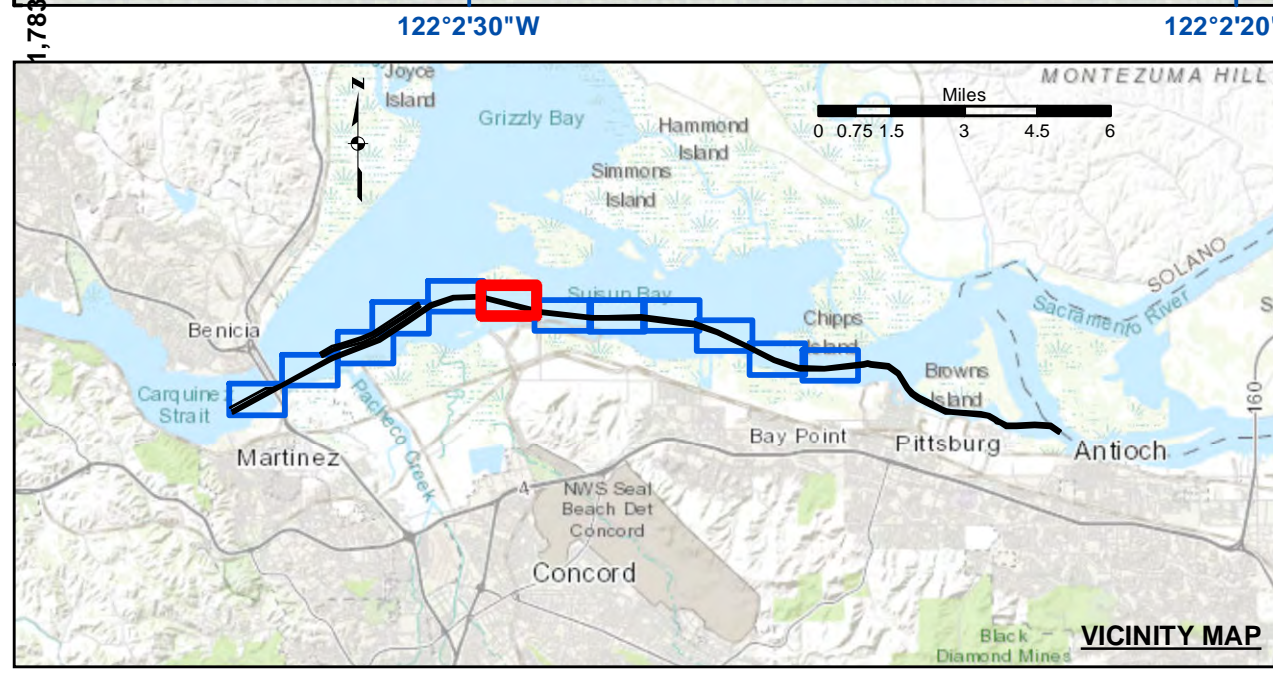
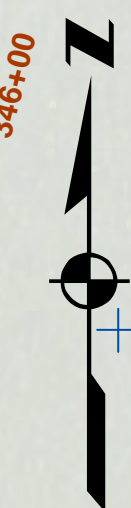
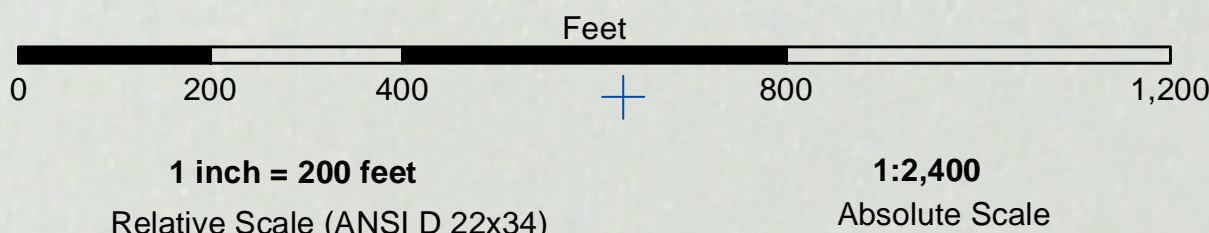
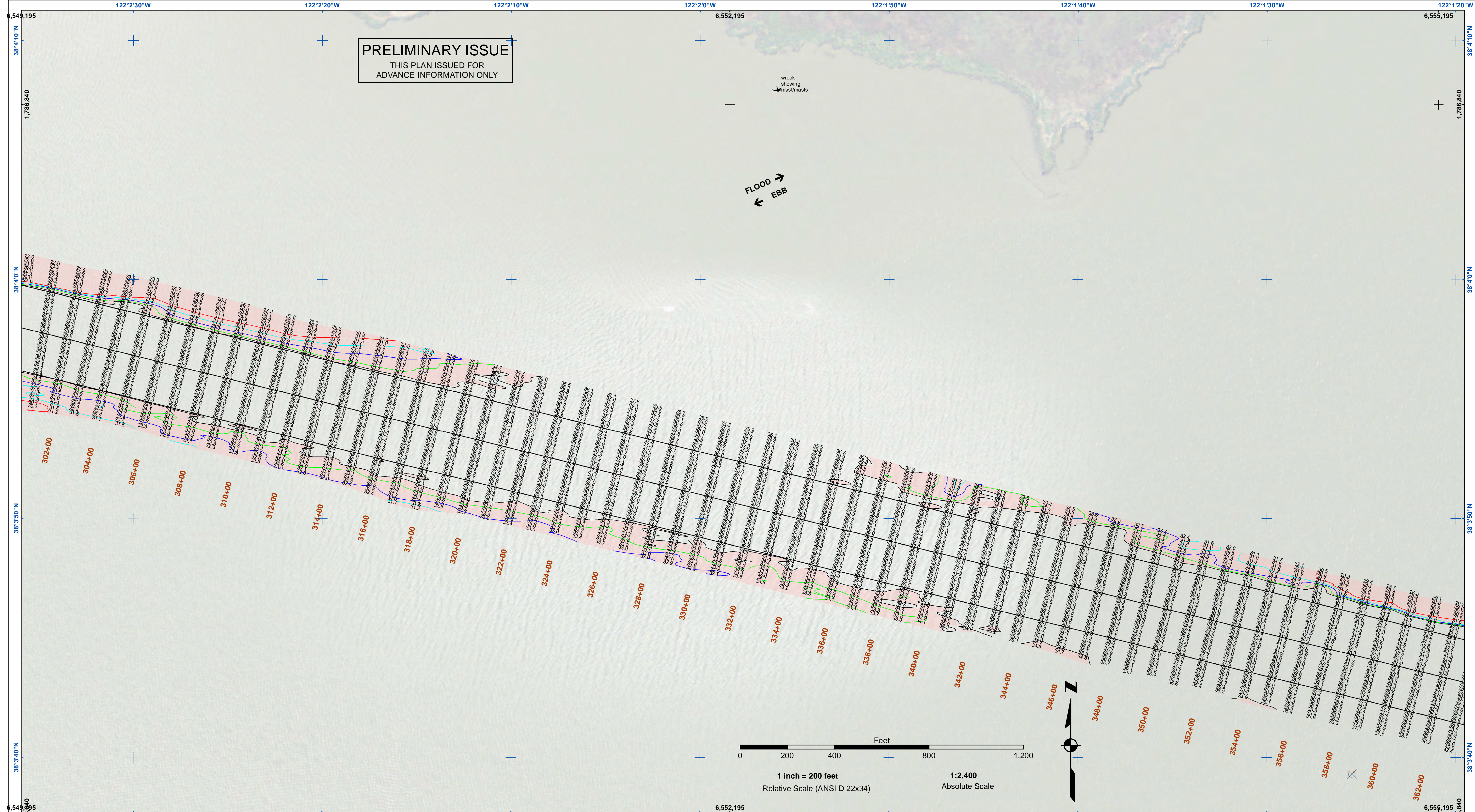
CALIFORNIA  
**SUISUN BAY CHANNEL**  
REACH 2 AND REACH 3ABCDE  
POST-DREDGE SURVEY  
16, 22-23 OCTOBER 2020

**Sheet Reference Number**  
5 of 12

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- |                            |                    |                 |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General    | <b>Contours</b> |
| Shoaling Area              | Obstruction Point  | -35             |
| Placement Area             | Navigation Buoy    | -34             |
| Anchorage Area             | Navigation Buoy    | -33             |
| Wreck Area                 | Shoalest Sounding* | -32             |
| Submerged Wreck            |                    | -31             |
| Angle Point                |                    |                 |

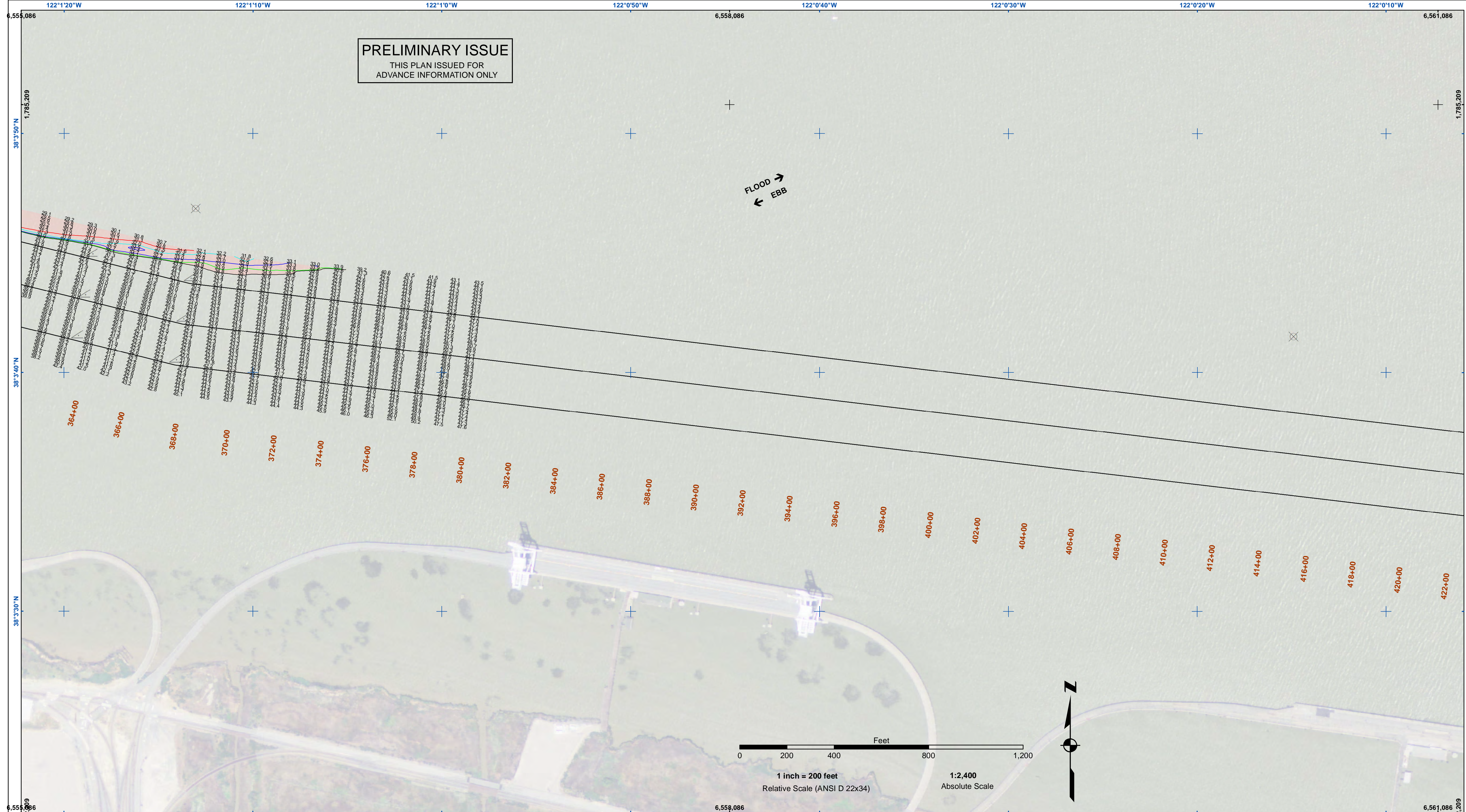
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SURVEYED BY THE CORPS OF ENGINEERS.  
REACH 2 (62+00-88+00) and REACH 3ABCDE (88+00-380+00).  
SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT. SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.  
THE PROJECT DEPTH IS 35 FEET.  
VERTICAL CONTROL: SUISUN BAY CHANNEL (LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USC&GS DISK ELEV 14.875 FT MLLW, TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK.  
(LINES 150+00 TO 500+00) BENCHMARK "5144-P" (1990 RESET 1997), (LINES 500+00 TO 660+00) BENCHMARK "5144-P" (1990 RESET 1997), USC&GS DISK ELEV 11.83 FT MLLW, TIDE GAUGE LOCATED AT CONCORD NAVAL WEAPONS STATION TUG DOCK, NOAA STATION.  
(LINES 660+00 TO 730+45) BENCHMARK "5098-B", USC&GS DISK, ELEV 21.76 FT MLLW, TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.  
HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E., DISTRICT ENGINEER	Surveyed By: PDT	Chart Date: Oct 27, 2020
Submitted: Hydro Survey Team Leader	Plotted By: PDT	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Drawn by: PDT
Approved: Chief, Construction Branch		

CALIFORNIA  
**SUISUN BAY CHANNEL**  
REACH 2 AND REACH 3ABCDE  
POST-DREDGE SURVEY  
16, 22-23 OCTOBER 2020

**Sheet  
Reference  
Number  
6 of 12**

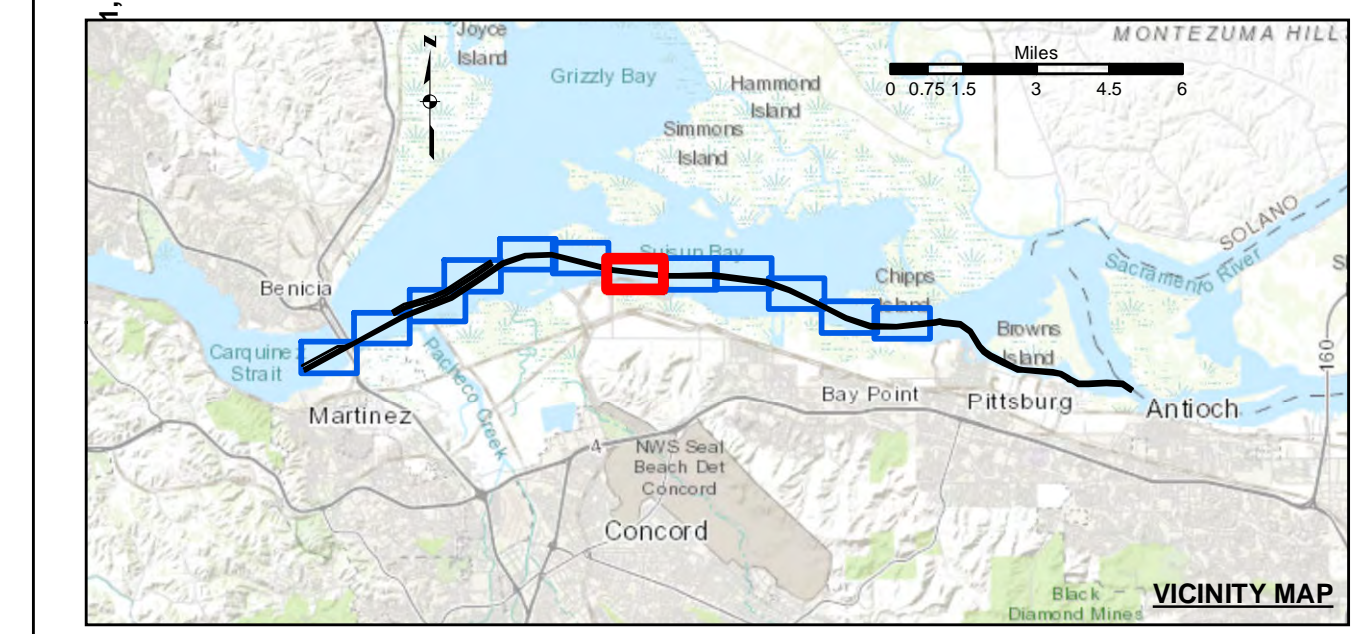


**DISCLAIMER**  
The United States Government furnishes this information as a service to the public. It is not intended to be used for any purpose other than the intended purpose. The user is responsible for the results of any application of the data for other than the intended purpose. The user is responsible for the results of any application of the data for other than the intended purpose. The user is responsible for the results of any application of the data for other than the intended purpose.

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CALIFORNIA  
CONTRA COSTA COUNTY  
**SUISUN BAY CHANNEL**  
REACH 2 AND REACH 3 ABCDE  
POST-DREDGE SURVEY  
16, 22-23 OCTOBER 2020

**Sheet Reference Number**  
7 of 12



- 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**
- 35
- 34
- 33
- 32
- 31

**NOTES:**  
HORIZONTAL COORDINATE SYSTEM:  
NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE II. DISTANCE UNITS IN U.S. SURVEY FEET.  
VERTICAL DATUM:  
SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.  
SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.  
THE PROJECT DEPTH IS 35 FEET.  
VERTICAL CONTROL:  
SUISUN BAY CHANNEL  
(LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USC&GS DISK ELEV 14.875 FT MLLW.  
TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK.  
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TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.  
HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON  
\*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.