

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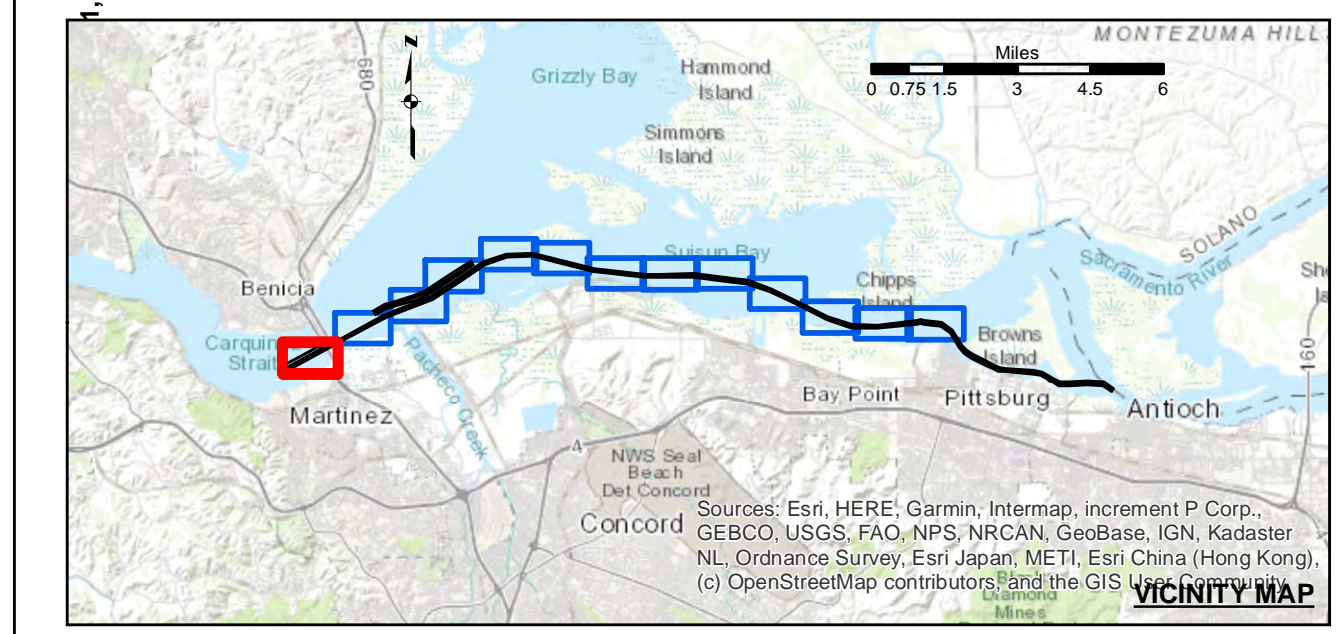
US Army Corps of Engineers
San Francisco District
450 Golden Gate Ave
San Francisco, CA 94102

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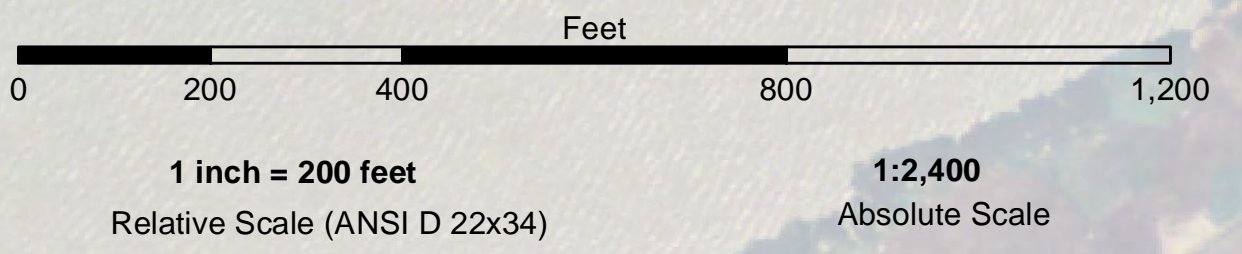
Chart Date:	Oct 14, 2021
Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
PRE-DREDGE SURVEY
20 JULY 2021

Sheet Reference Number
1 of 13

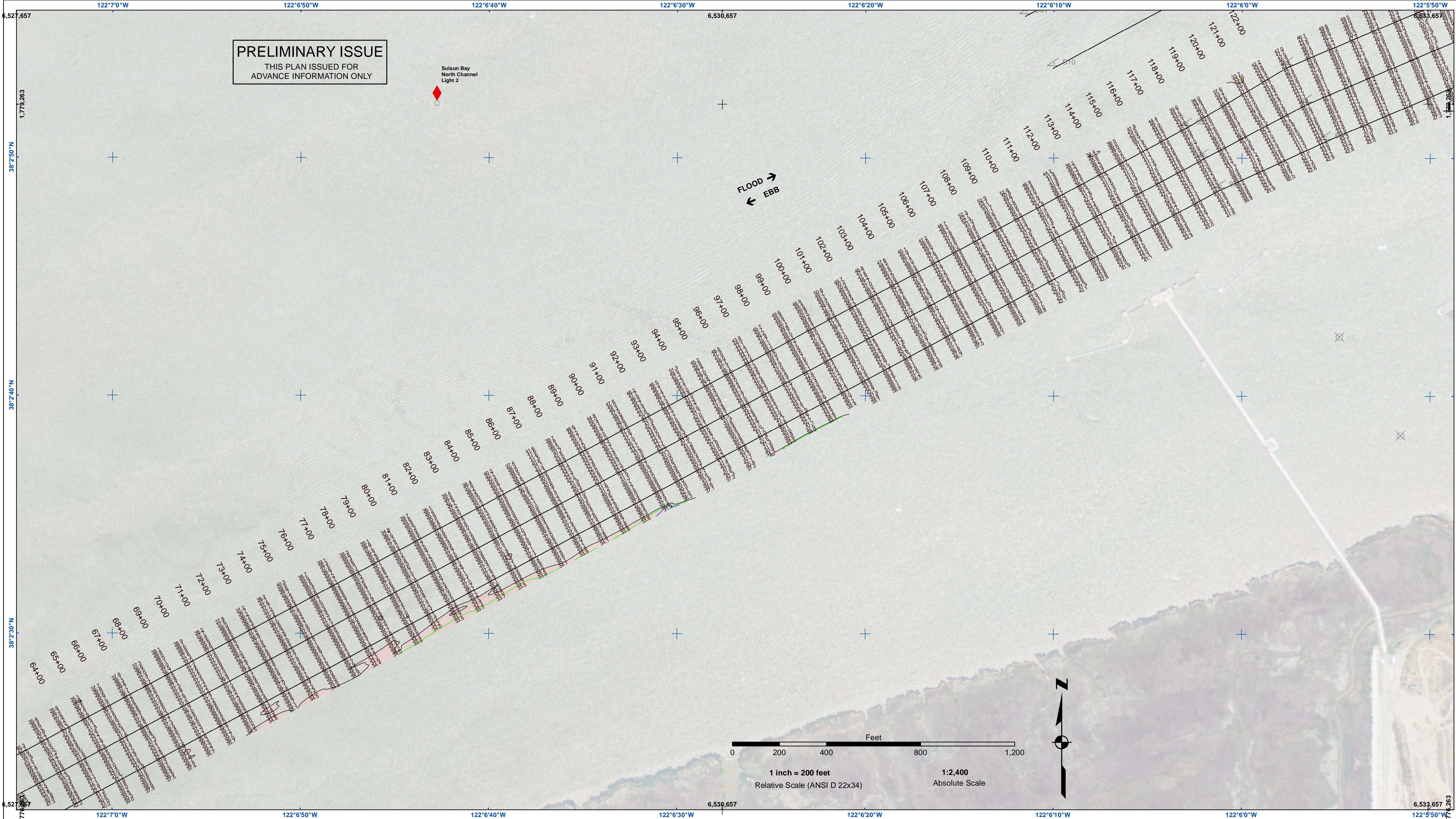


- Federal Navigation Channel
 - Shoaling Area
 - Placement Area
 - Anchorage Area
 - Wreck Area
 - Submerged Wreck
 - Angle Point
 - Beacon, General
 - Obstruction Point
 - Navigation Buoy
 - Navigation Buoy
 - Shoalest Sounding*
- Contours**
- 35
 - 34
 - 33
 - 32
 - 31



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.
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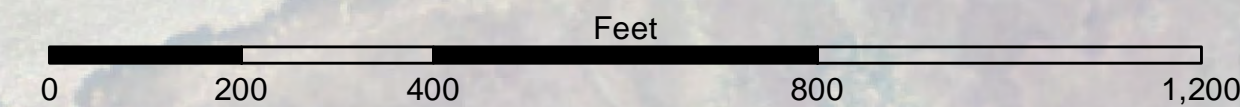
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THE PROJECT DEPTH IS 35 FEET.
VERTICAL CONTROL: SUISUN BAY CHANNEL (LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USC&GS DISK ELEV 14.875 FT MLLW, TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK. (LINES 150+00 TO 500+00) BENCHMARK "5144-P" (1990 RESET 1997), (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 733+45) BENCHMARK "5096-B", USC&GS DISK, ELEV 21.76 FT MLLW, TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.
HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON



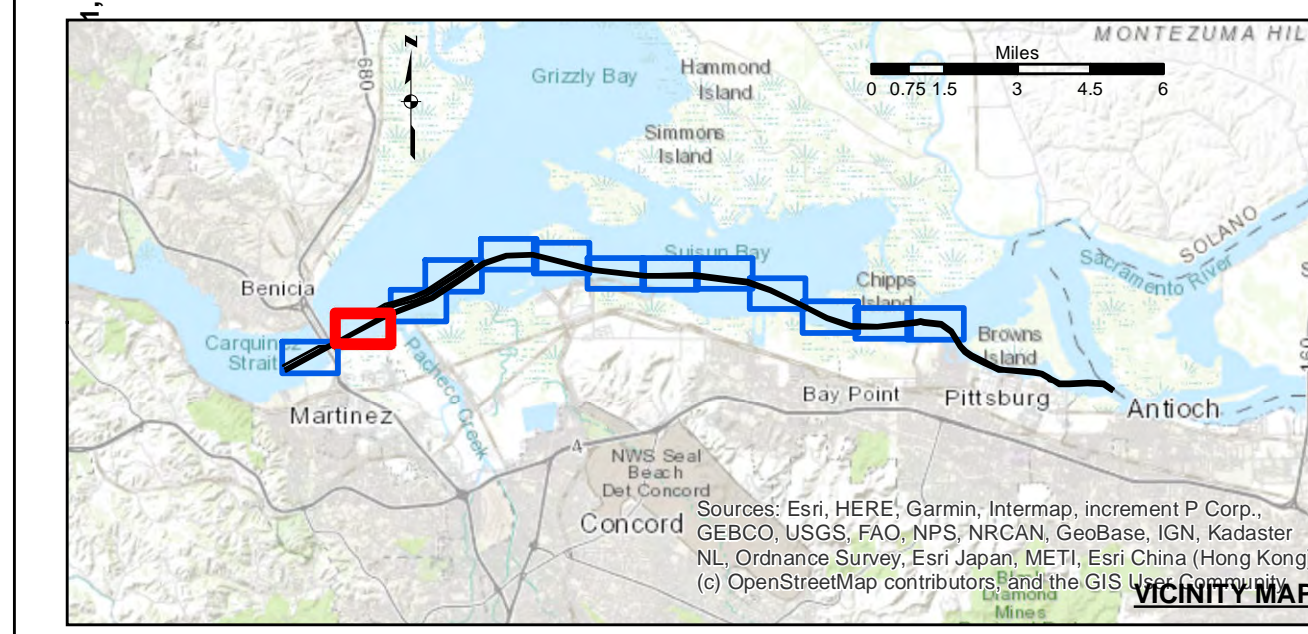
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Suisun Bay
North Channel
Light 2

FLOOD →
← EBB



1 inch = 200 feet
Relative Scale (ANSI D 22x34)
1:2,400
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
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- Contours**
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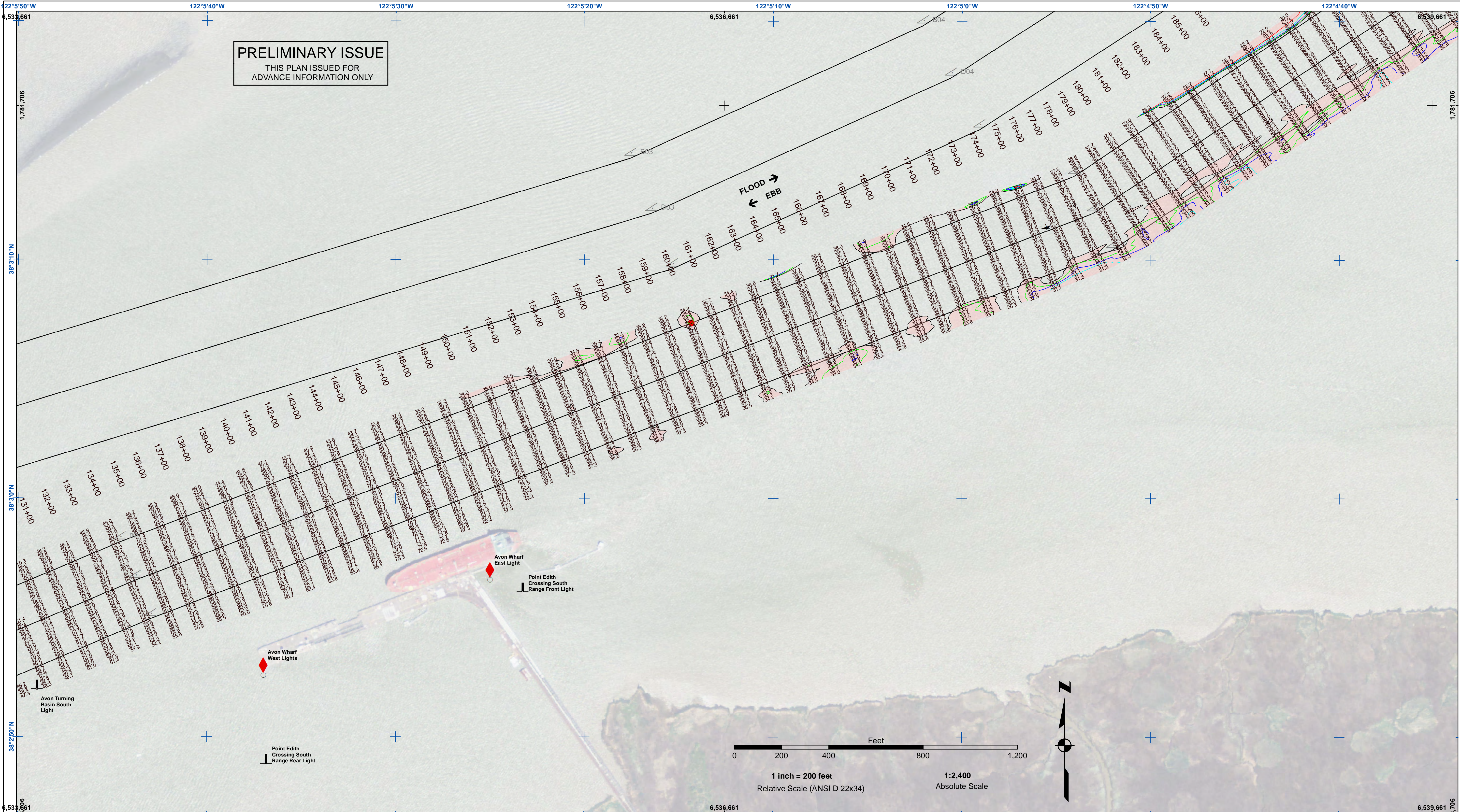
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Checked by:	PDT
Drawn by:	PDT

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
PRE-DREDGE SURVEY
20 JULY 2021

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Number
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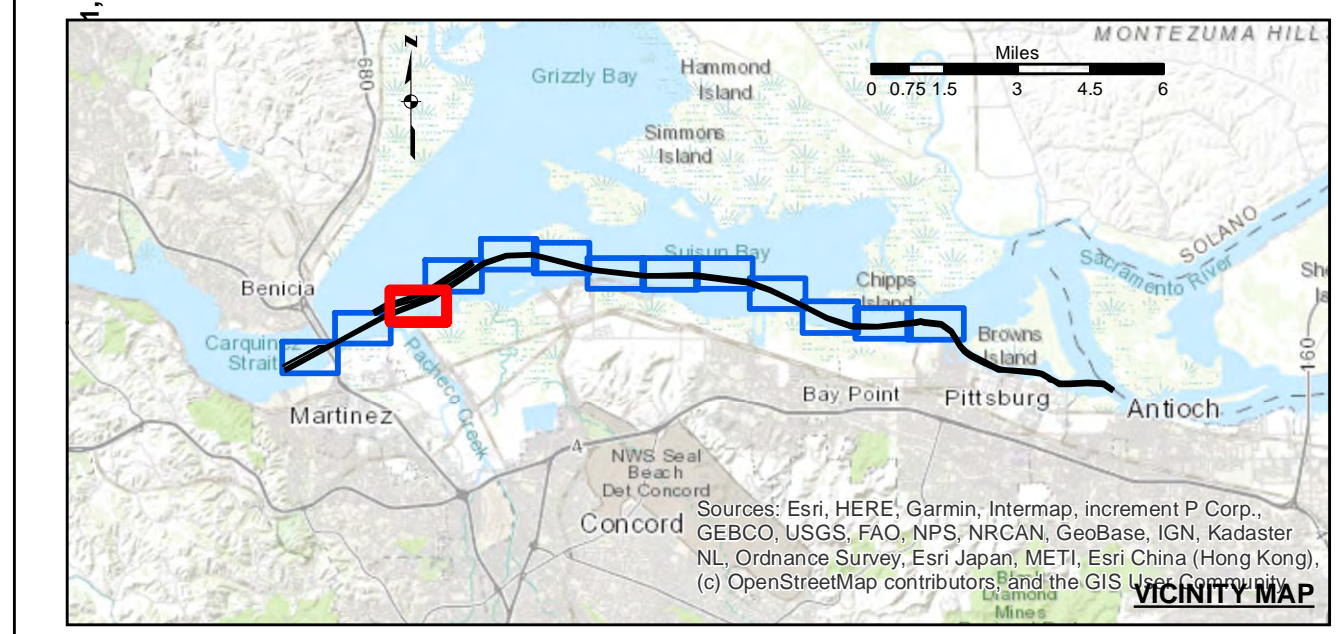
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KEVIN P. ARNETT	Surveyed By:	
LT Colonel, C.E., District Engineer	Plotted By:	PDT
Submitted:	Recommended:	Checked By:
Hydro Survey Team Leader	Chief, Hydro Survey Section	PDT
Approved:	Chief, Construction Branch	PDT

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
PRE-DREDGE SURVEY
20 JULY 2021

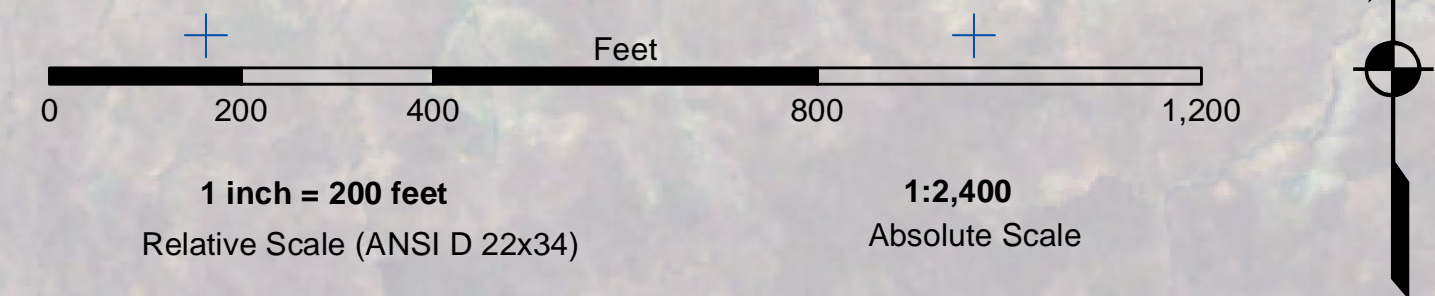
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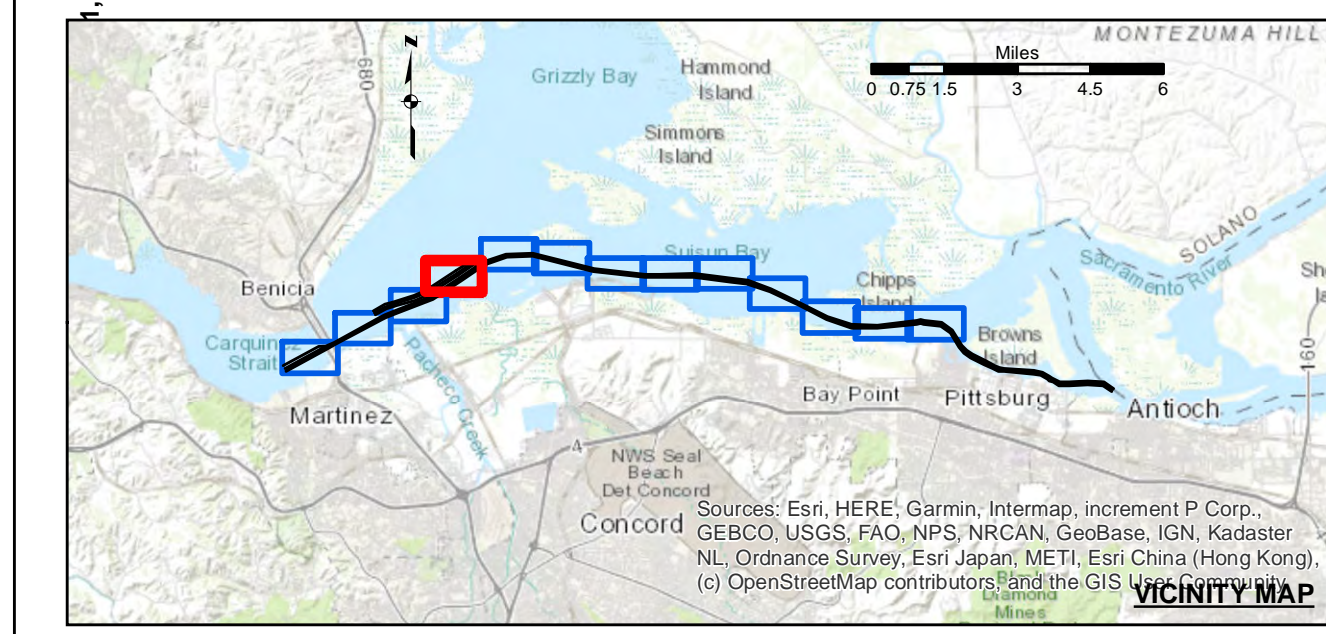
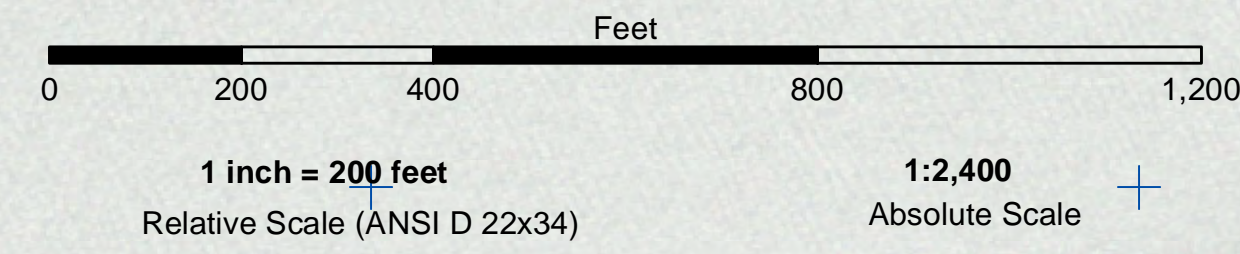
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FLOOD →
← EBB



- Federal Navigation Channel
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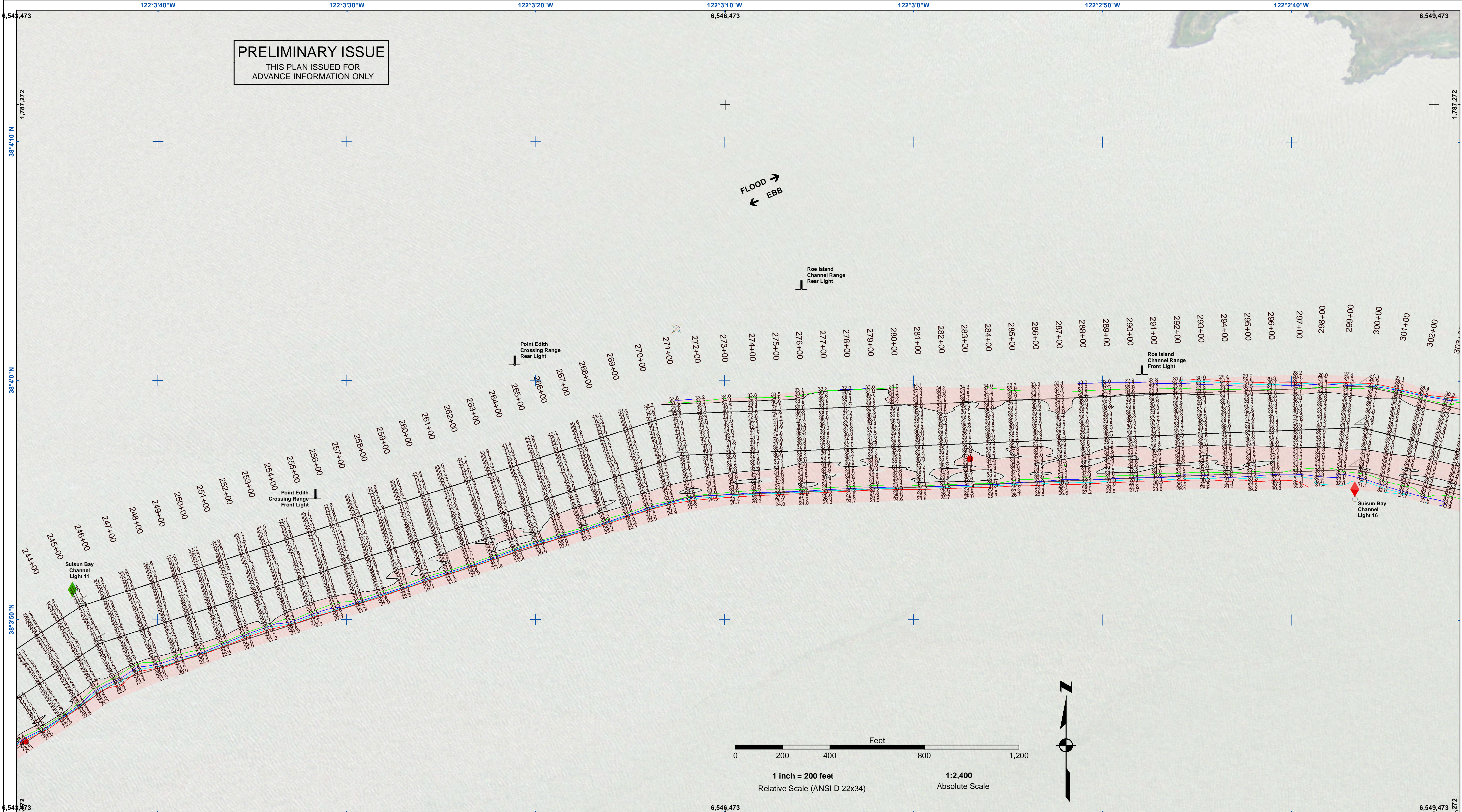


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Prepared Under the Direction of	Chart Date:
LT COLONEL K. P. ARNETT	Oct 14, 2021
Submitted:	Designed by:
Hydro Survey Team Leader	PDT
Recommended:	Checked by:
Chief, Hydro Survey Section	PDT
Approved:	Drawn by:
Chief, Construction Branch	PDT

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
PRE-DREDGE SURVEY
20 JULY 2021

Sheet Reference
Number
4 of 13



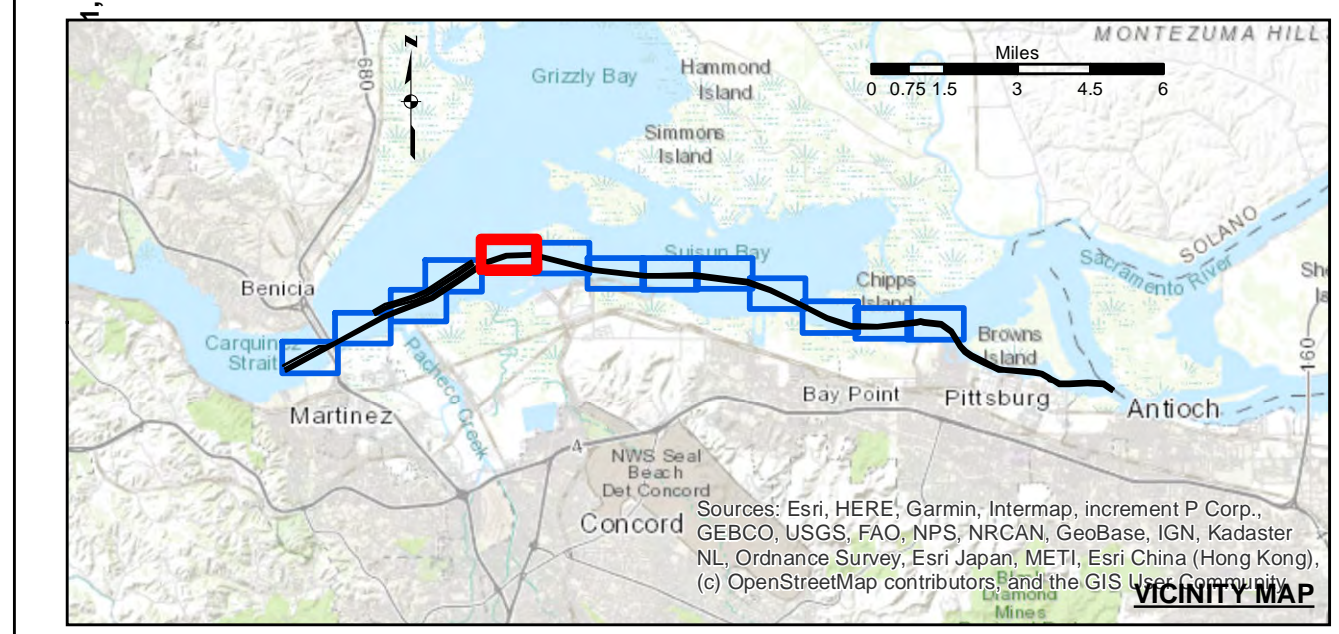
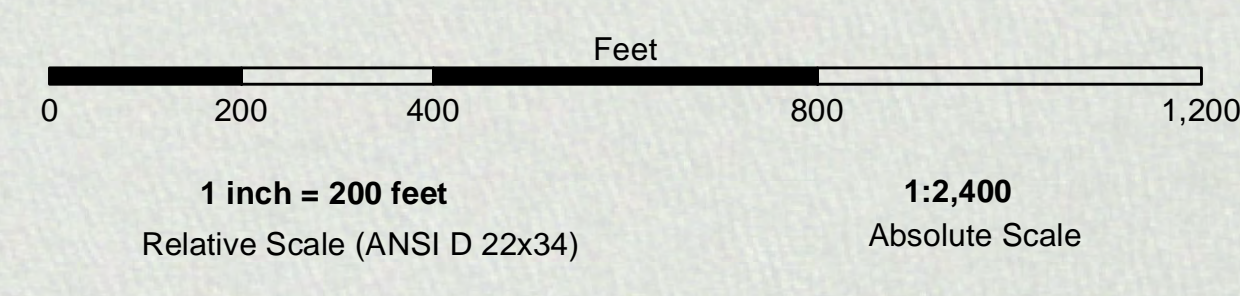
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Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
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Approved:	Chief, Construction Branch

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CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
PRE-DREDGE SURVEY
20 JULY 2021

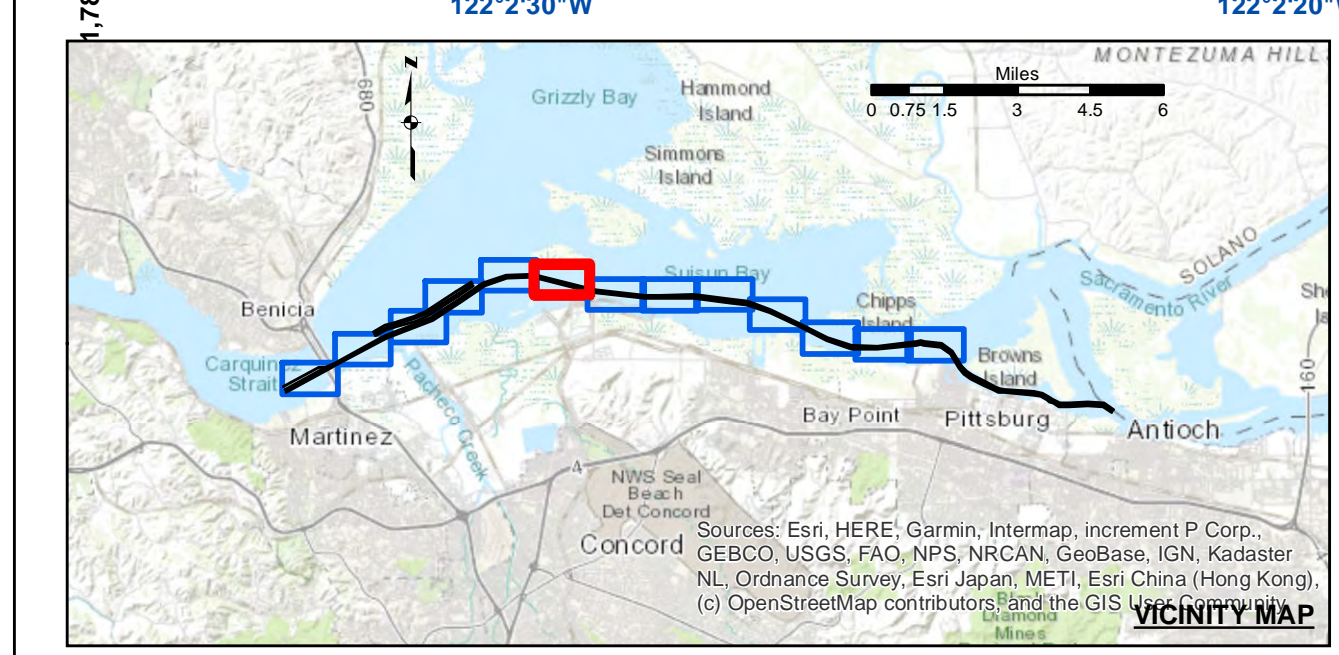
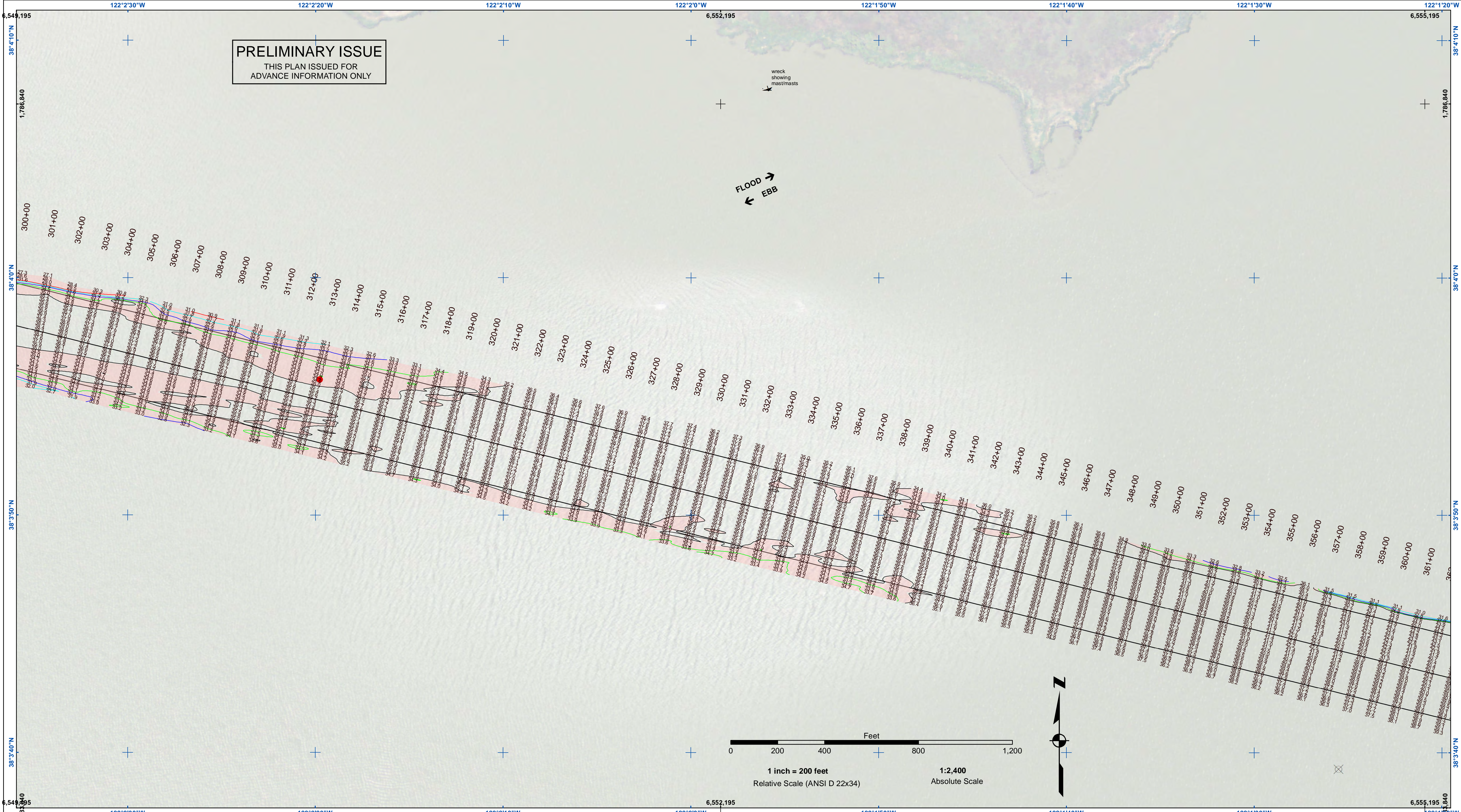
Sheet Reference Number
5 of 13



- | | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
| 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 |

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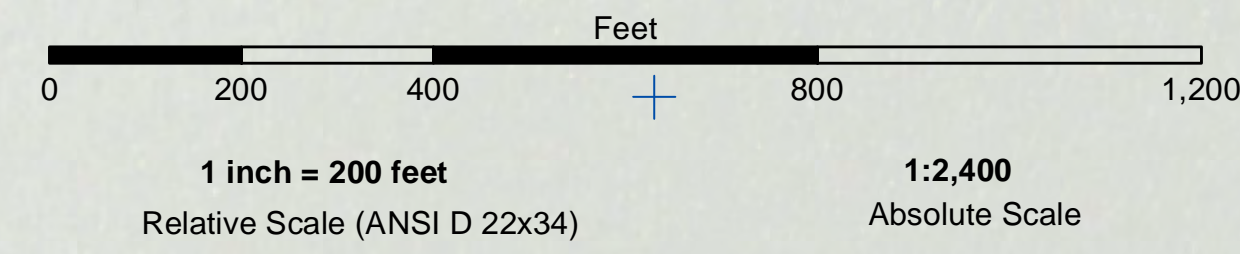
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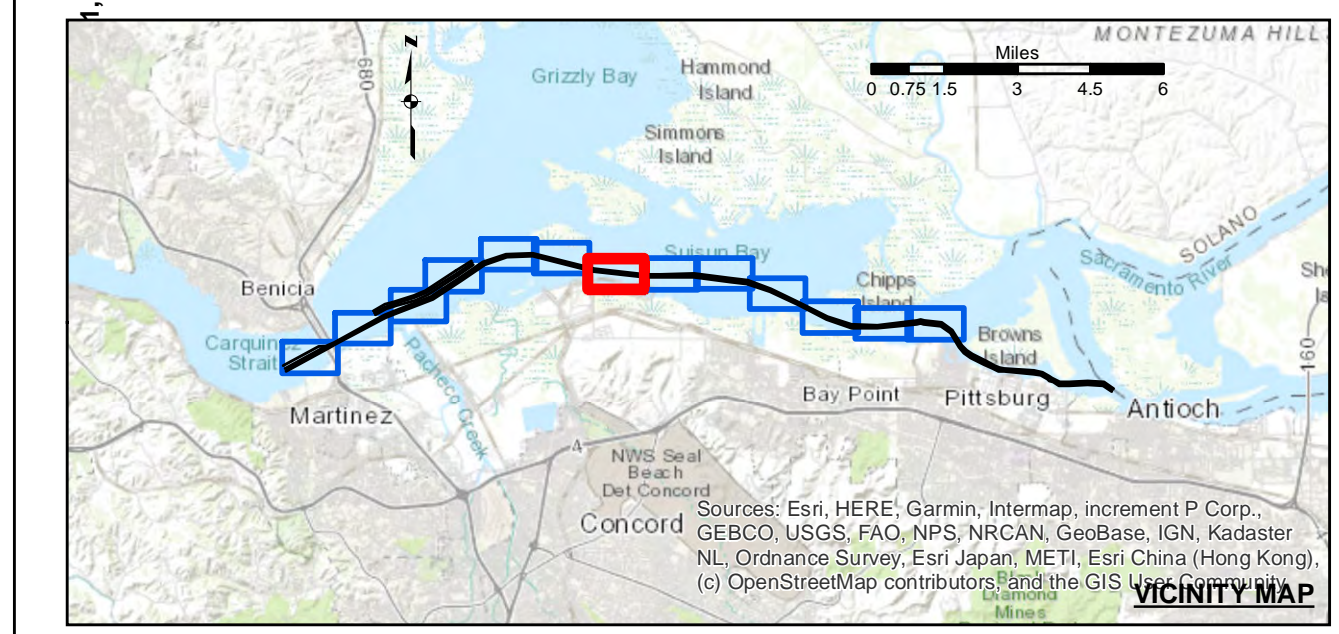
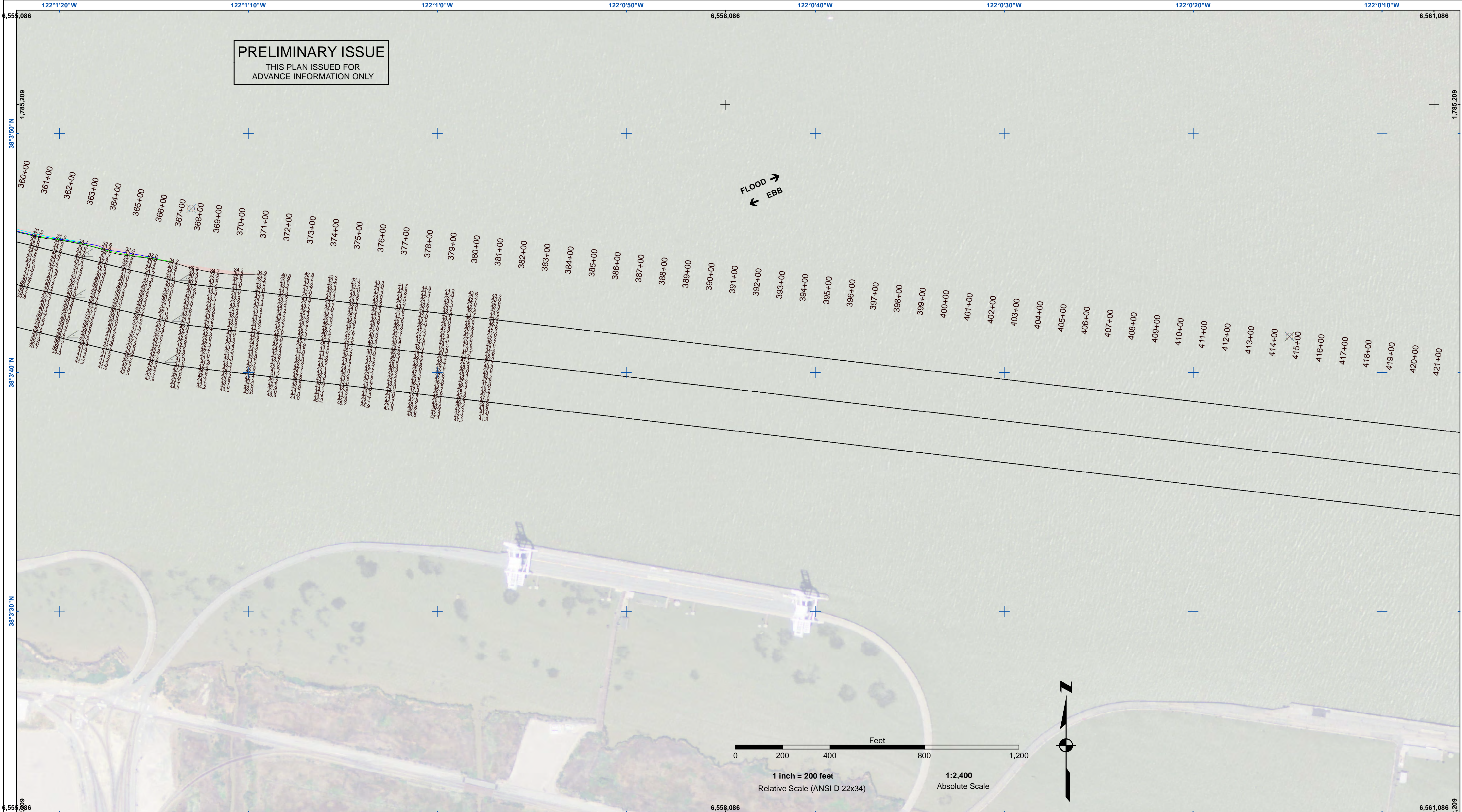
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6 of 13

Federal Navigation Channel	Beacon, General	Contours
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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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, BASE MAPS ARE USDA NADP 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.

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), USC&GS DISK ELEV 11.83 FT MLLW,
TIDE GAUGE LOCATED AT CONCORD NAVAL WEAPONS STATION TUG DOCK, NOAA STATION.

(LINES 660+00 TO 733+45) BENCHMARK "5096-B", USC&GS DISK ELEV 21.76 FT MLLW,
TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.

HORIZONTAL GPS CONTROL: COAST GUARD 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 KEVIN P. ARNETT LT Colonel, C.E., District Engineer	Surveyed By:	Chart Date:
Submitted: Hydro Survey Team Leader	Plotted By: PDT	Oct 14, 2021
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Designed by:
Approved: Chief, Construction Branch	Drawn by: PDT	

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
PRE-DREDGE SURVEY
20 JULY 2021

Sheet Reference Number
7 of 13