



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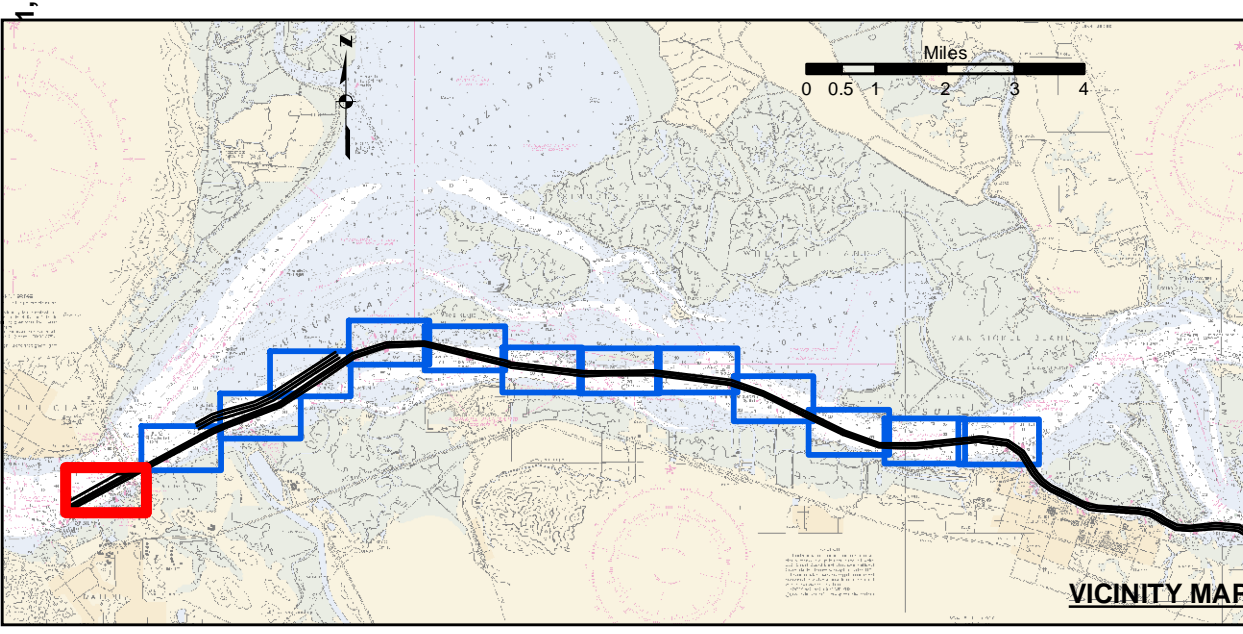
US Army Corps of Engineers
San Francisco District
450 Golden Gate Ave
San Francisco, CA 94102

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Chart Date:	May 20, 2022
Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Approved:	Chief, Construction Branch
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Checked By:	PDT

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
CONDITION SURVEY
17-18 MAY 2022

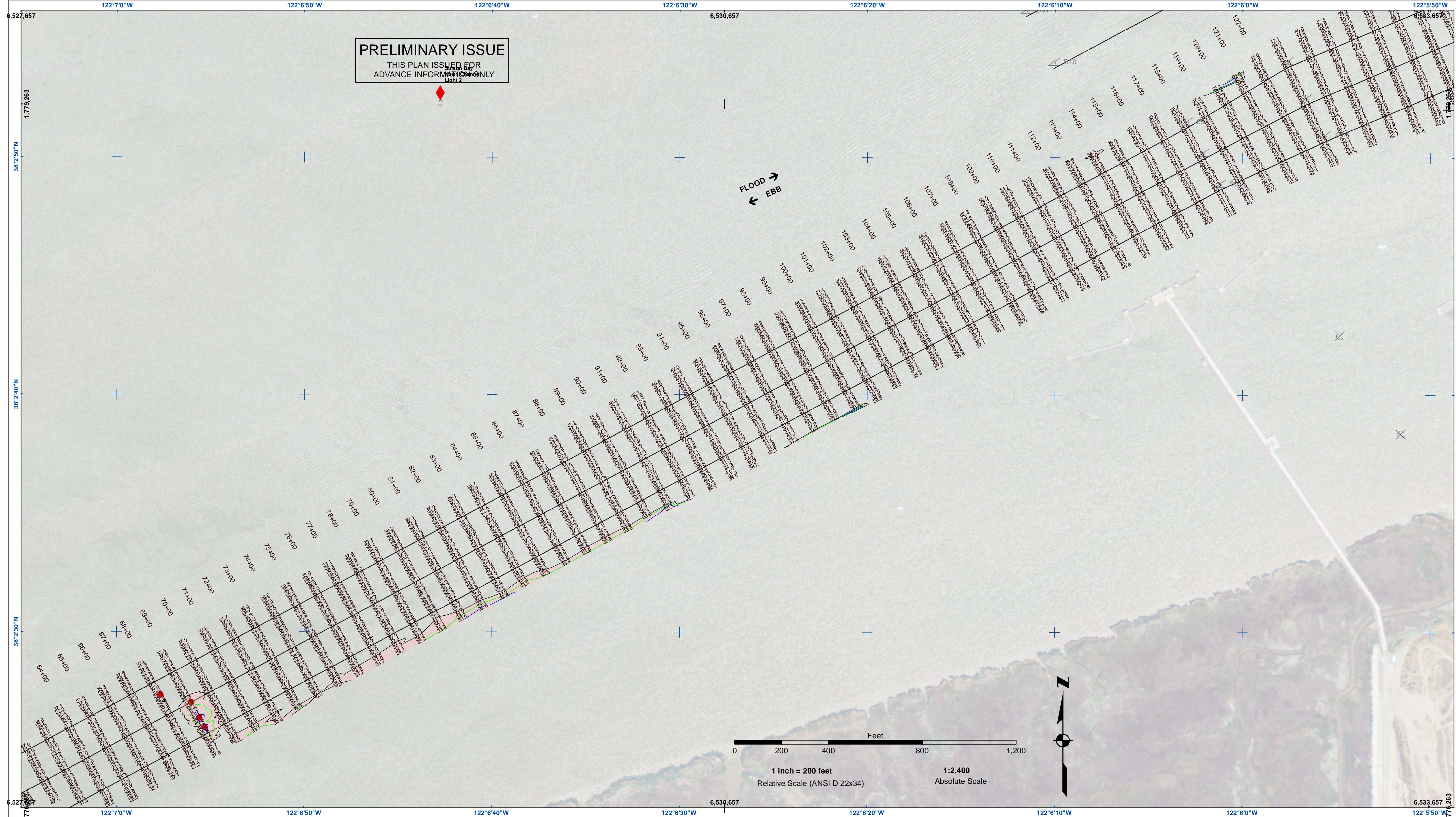
Sheet Reference Number
1 of 13



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

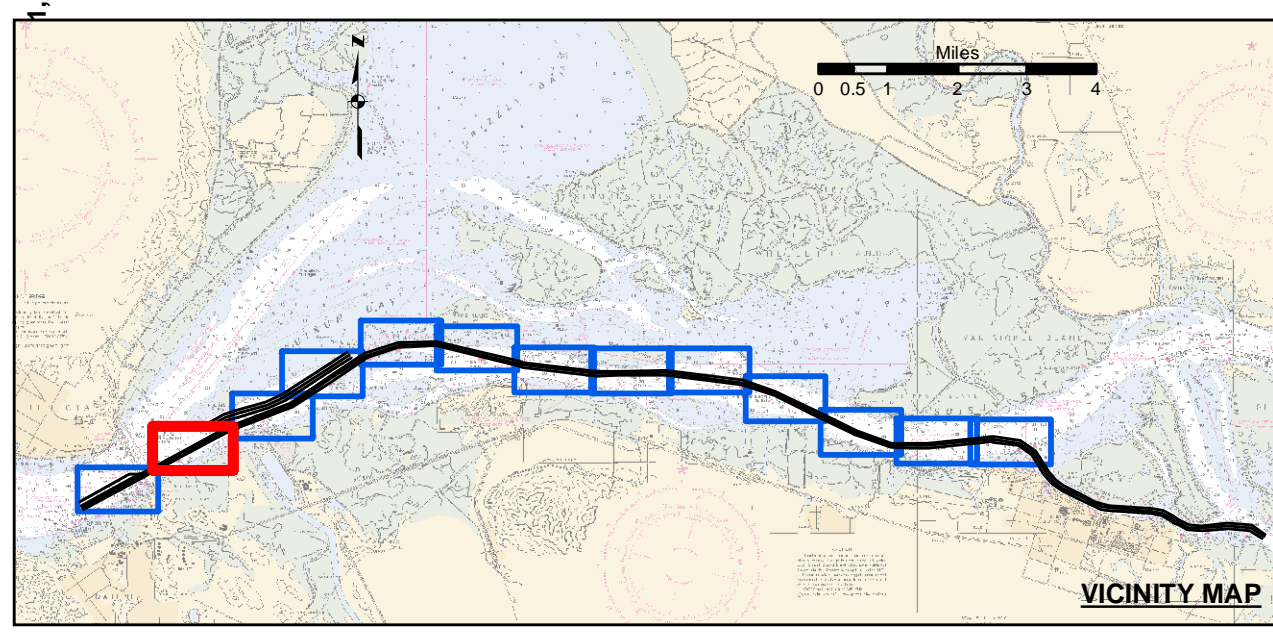
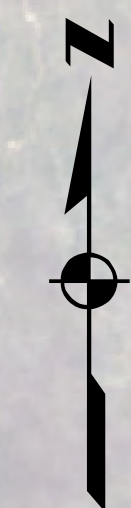
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SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT. SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.
THE PROJECT DEPTH IS 35 FEET.
VERTICAL CONTROL: SUISUN BAY CHANNEL (LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USC&GS DISK ELEV 14.875 FT MLLW, TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK.
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HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON



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FLOOD →
← EBB



- | | | |
|----------------------------|--------------------|-----------------|
| 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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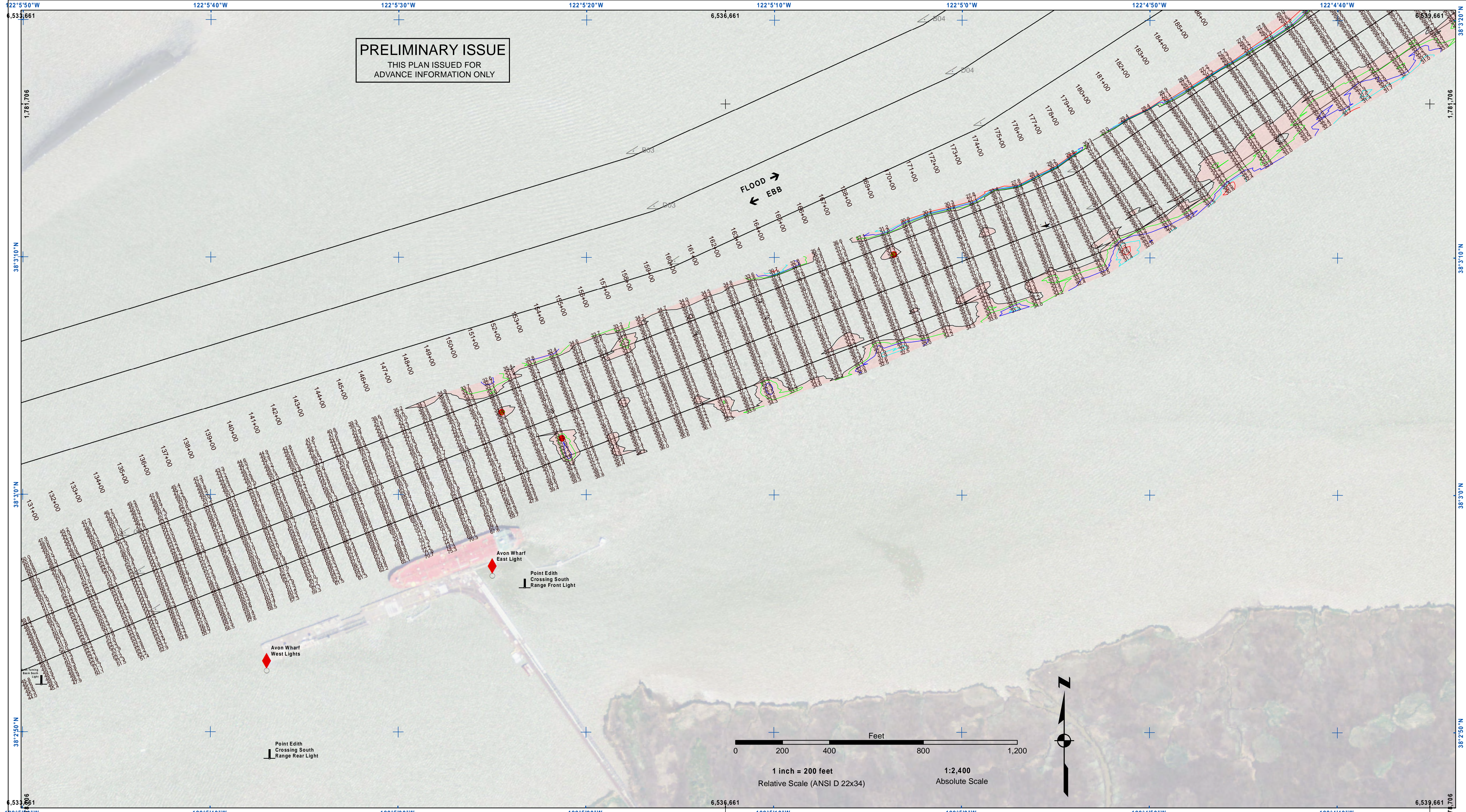


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Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Approved:	Chief, Construction Branch
Submitted:	Hydro Survey Team Leader
Recommended:	Chief, Hydro Survey Section
Prepared Under the Direction of:	LT COLONEL C.E. ARNETT
Surveyed By:	PDT

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
CONDITION SURVEY
17-18 MAY 2022

Sheet Reference Number
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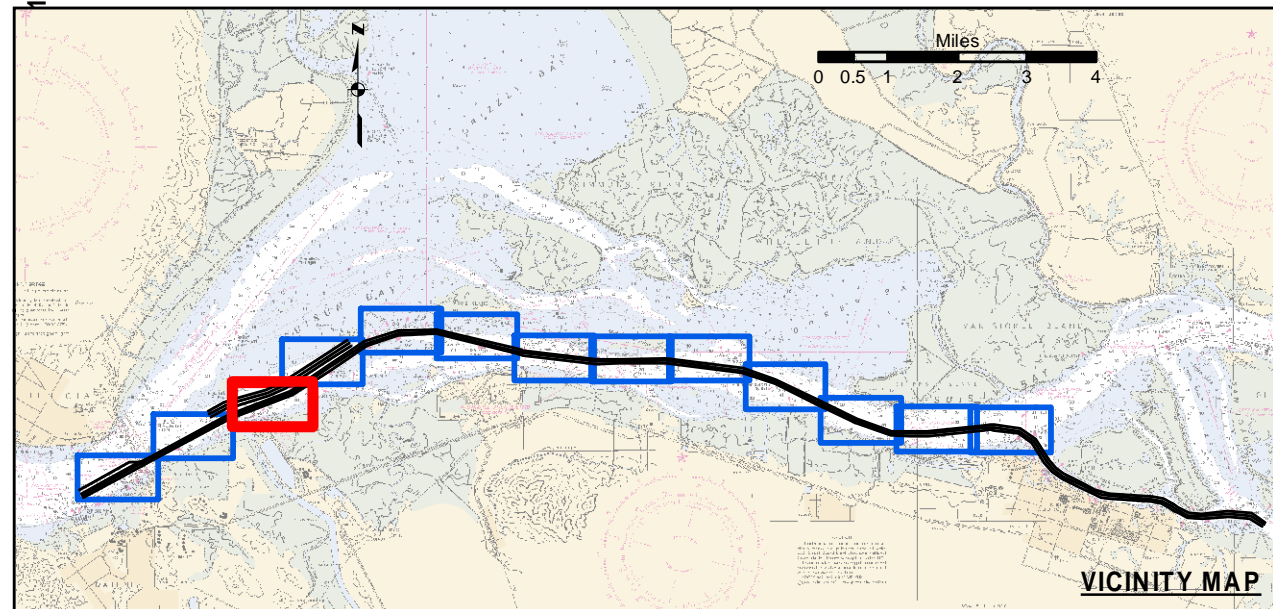
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Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
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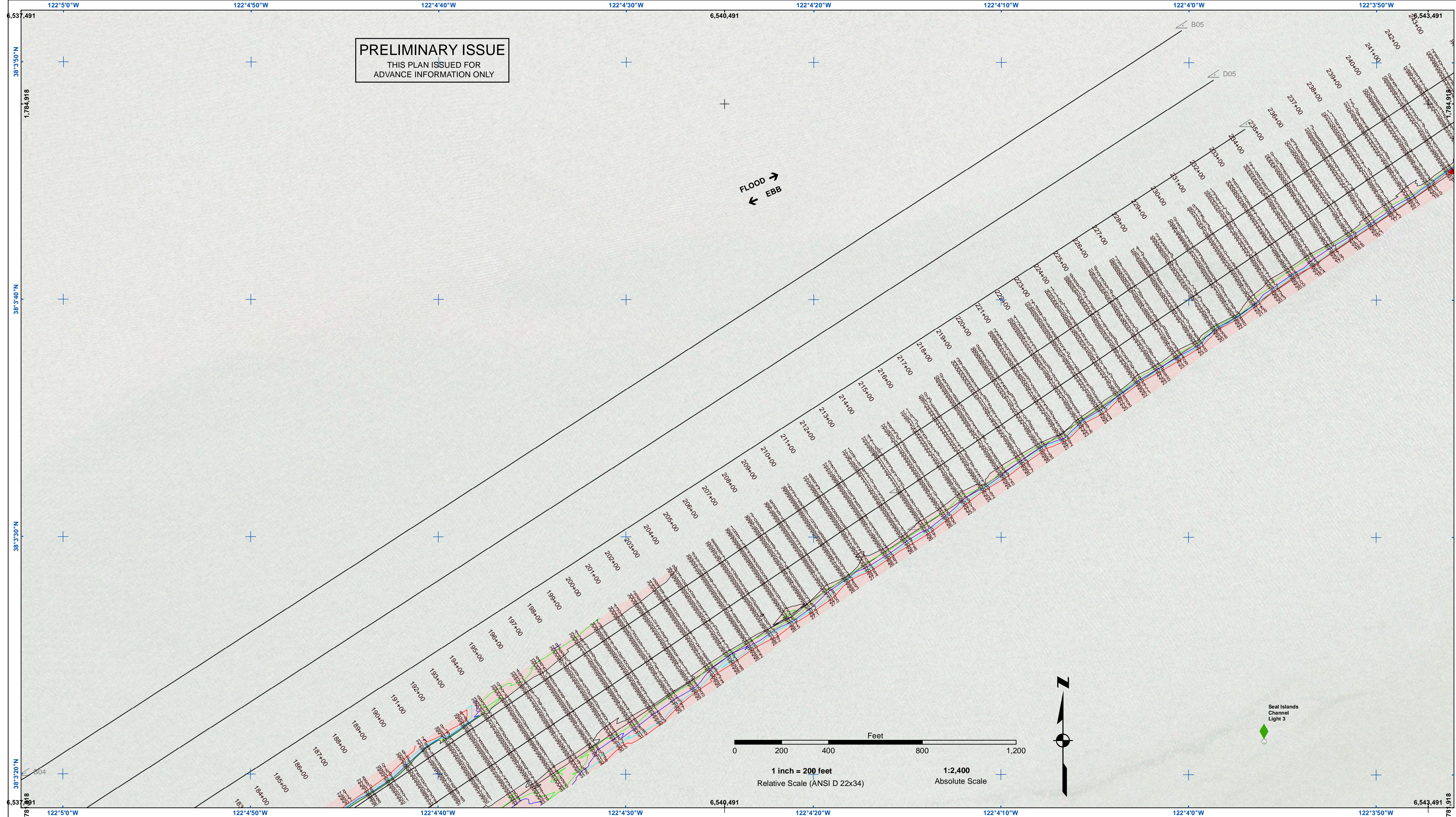


Federal Navigation Channel	Beacon, General	Contours
Shoaling Area	Obstruction Point	-35
Placement Area	Navigation Buoy	-34
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Submerged Wreck		-31
Angle Point		

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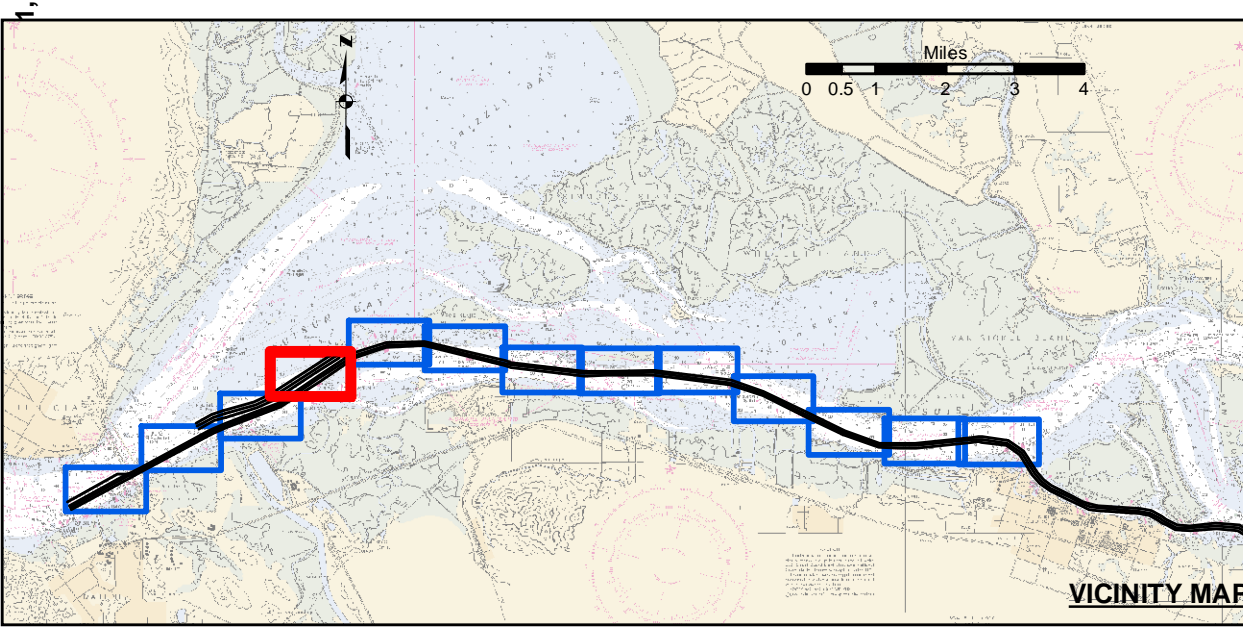
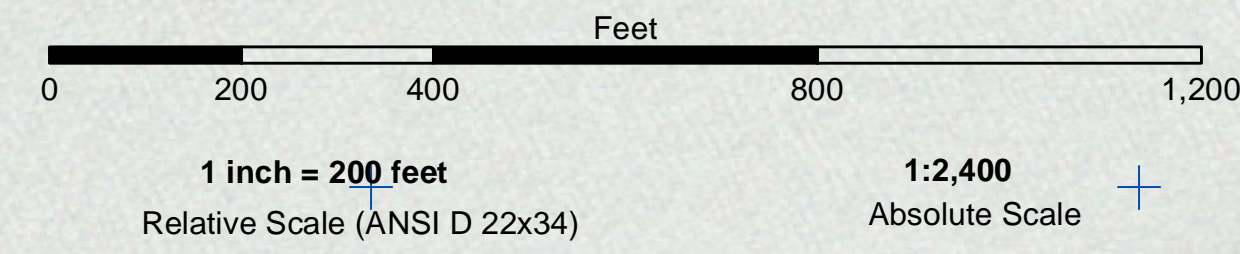
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Sheet Reference
Number
3 of 13



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	Federal Navigation Channel		Beacon, General	Contours	
	Shoaling Area		Obstruction Point		
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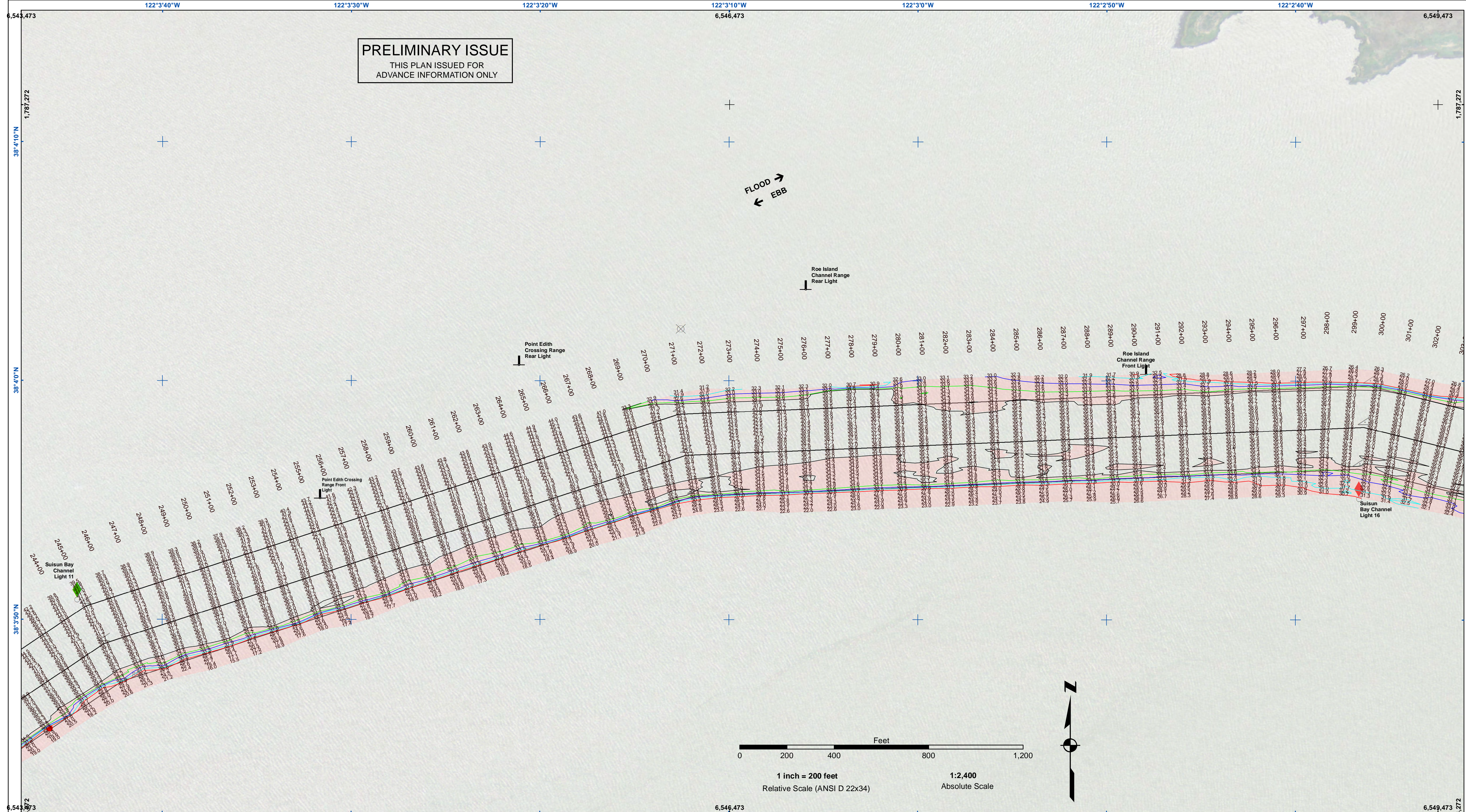


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Prepared Under the Direction of	Chart Date:
KEVIN P. ARNETT	May 20, 2022
Submitted by:	Designed by:
Hydro Survey Team Leader	PDT
Recommended by:	Checked by:
Chief, Hydro Survey Section	PDT
Approved by:	Drawn by:
Chief, Construction Branch	PDT

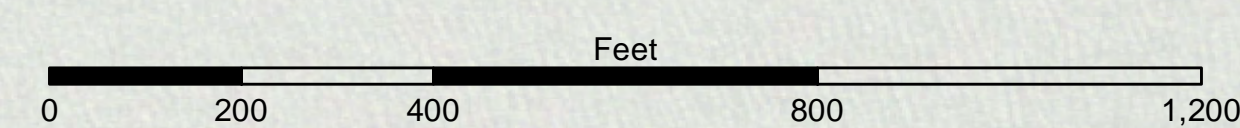
CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
CONDITION SURVEY
17-18 MAY 2022

Sheet
Reference
Number
4 of 13

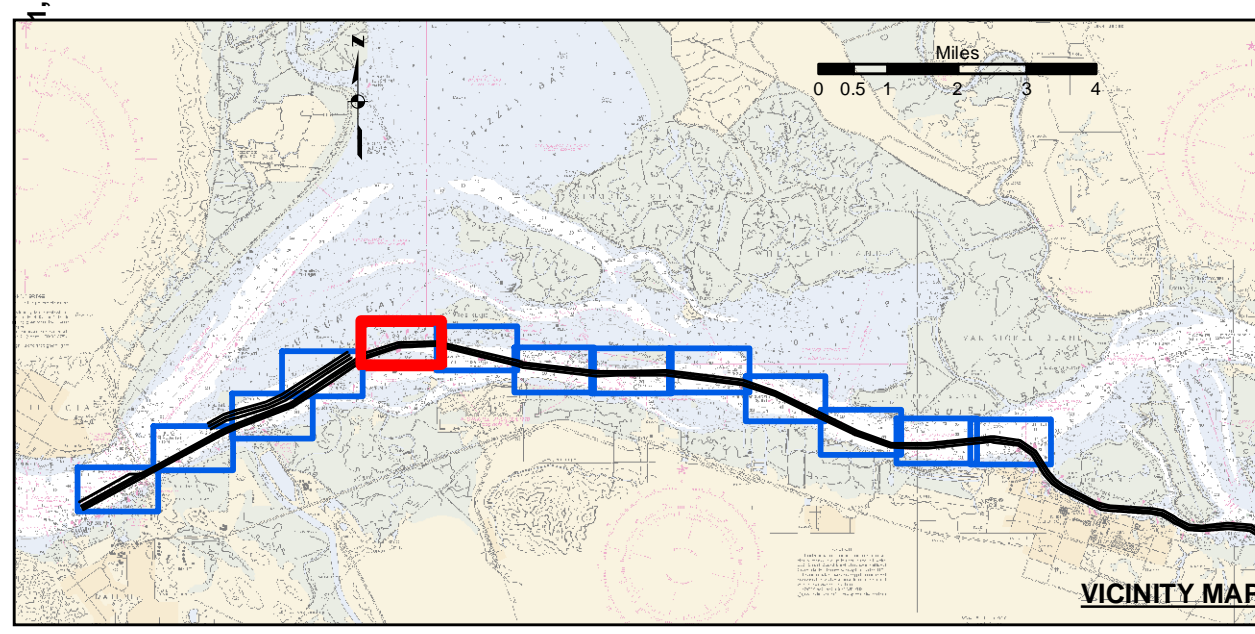


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1 inch = 200 feet
Relative Scale (ANSI D 22x34)
1:2,400
Absolute Scale



Federal Navigation Channel	Beacon, General	Contours
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Submerged Wreck		-35
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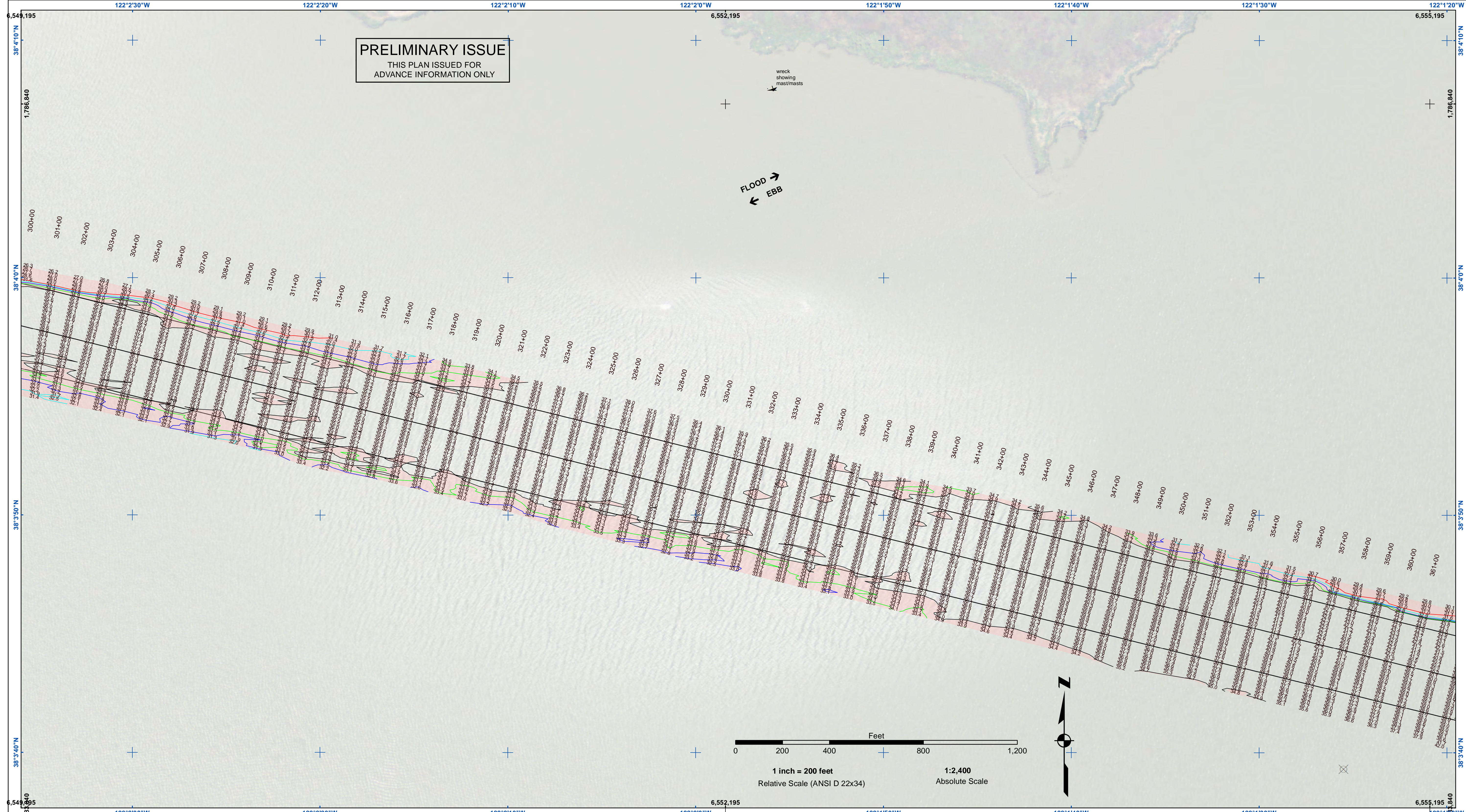
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Recommendation: Chief, Hydro Survey Section	Plotted by: PDT
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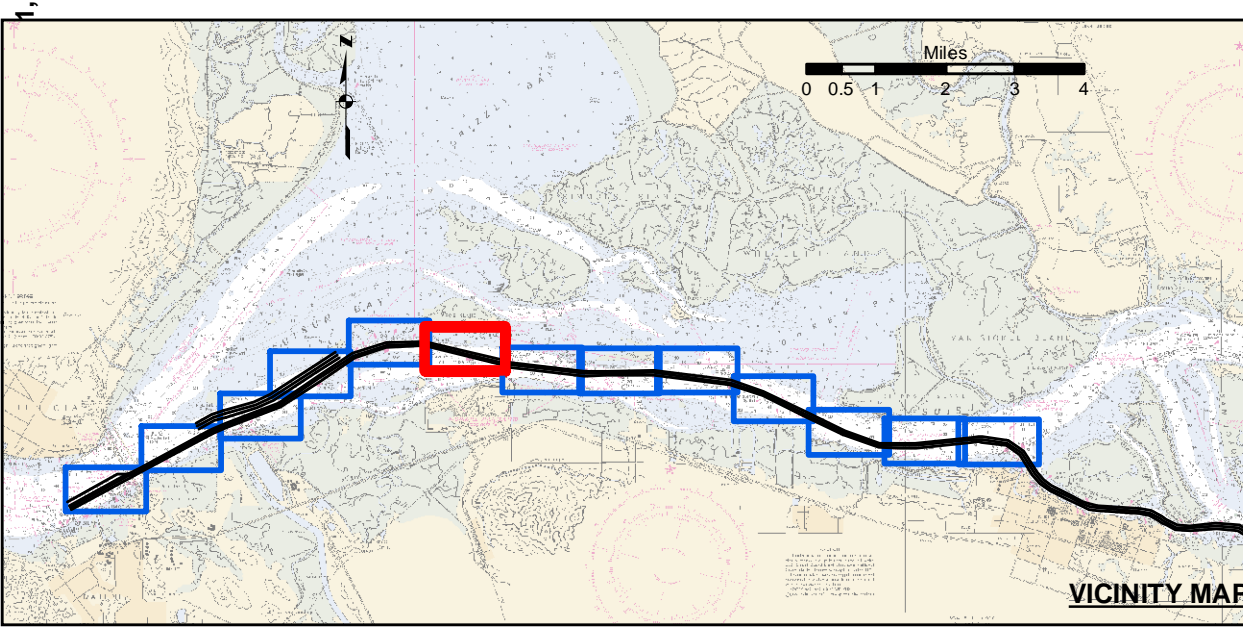
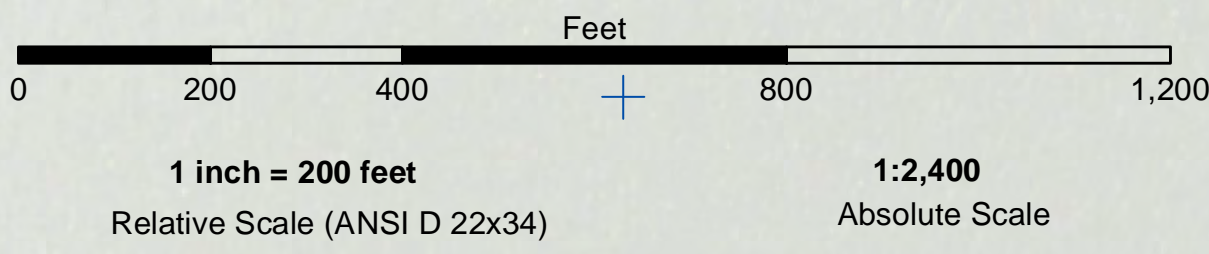
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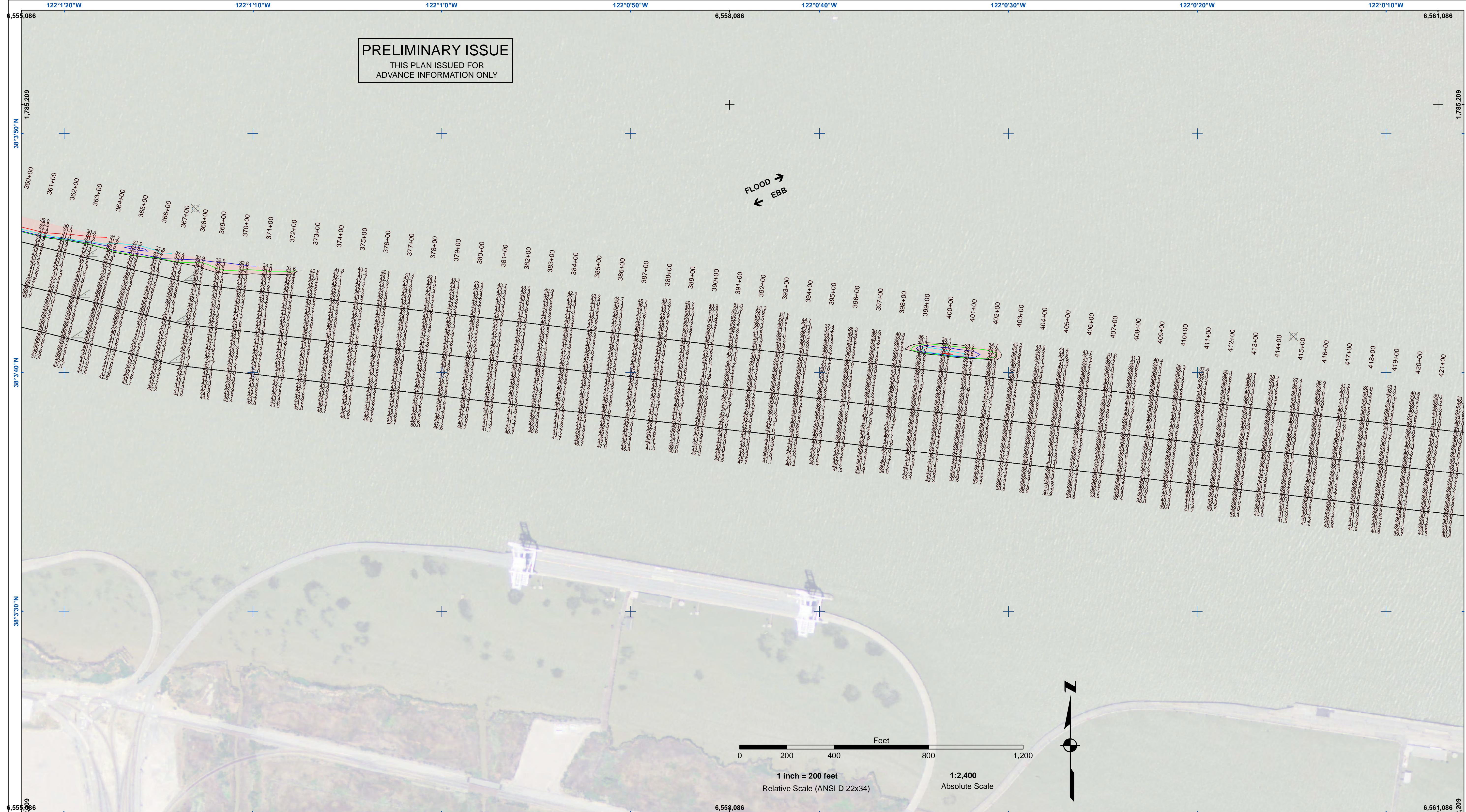
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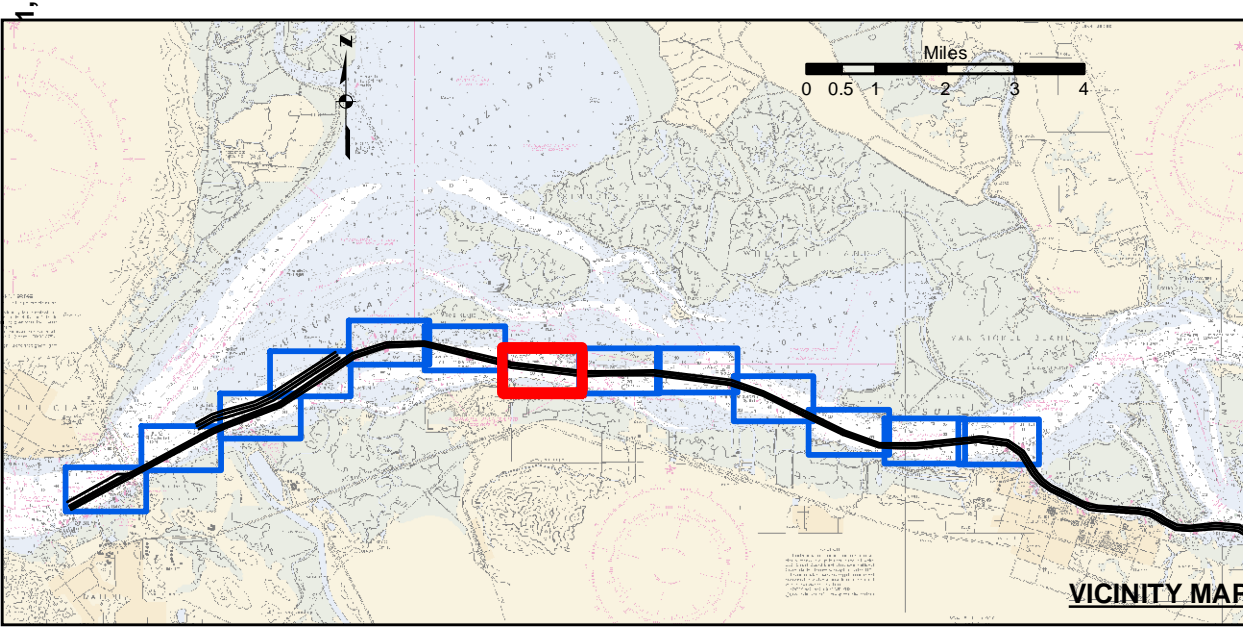
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THE PROJECT DEPTH IS 35 FEET.
VERTICAL CONTROL:
SUISUN BAY CHANNEL
(LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USC&GS DISK ELEV 14.875 FT MLLW,
TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK.
(LINES 150+00 TO 500+00) BENCHMARK "5144-P" (1990 RESET 1997), 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

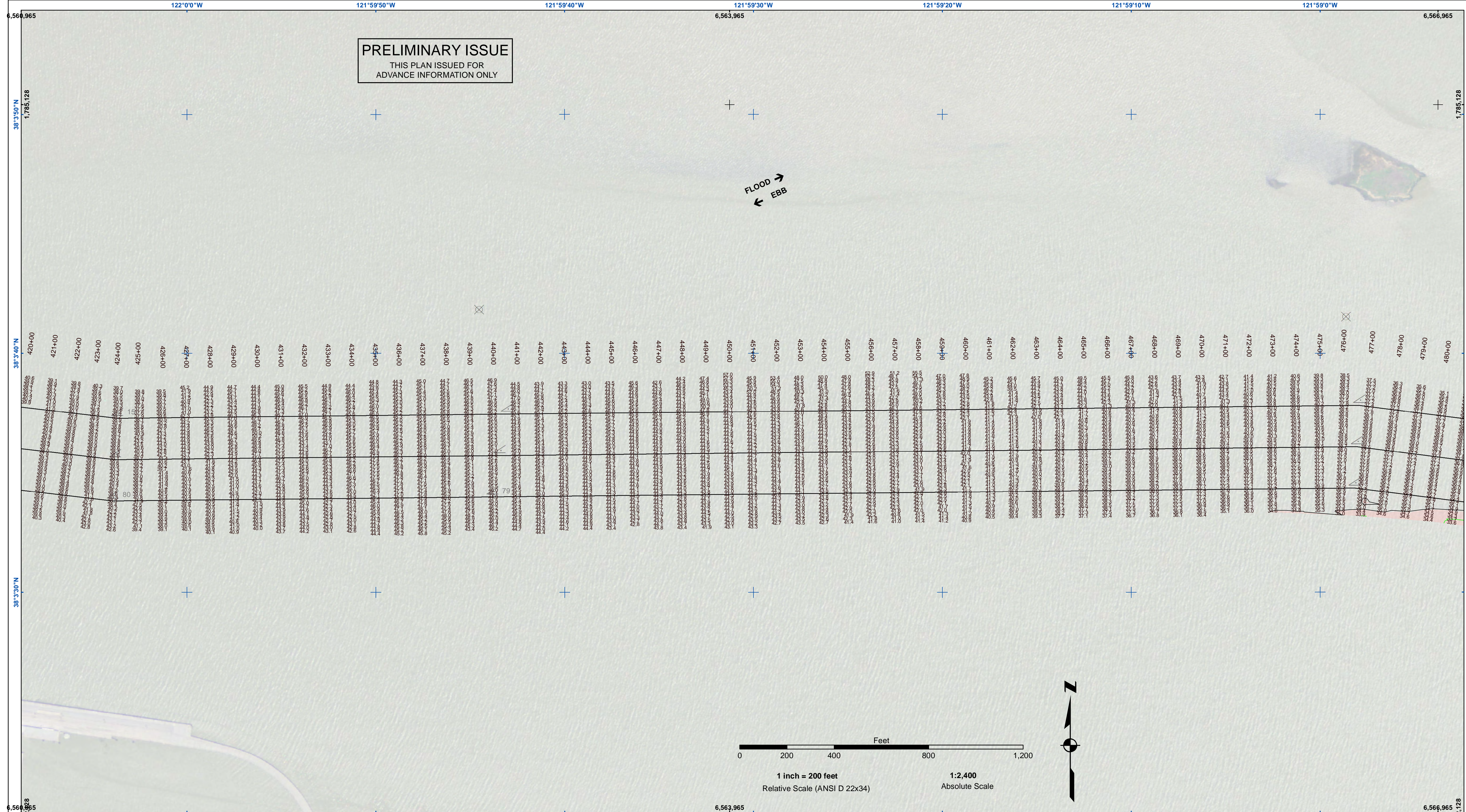


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Prepared Under the Direction of KEVIN P. ARNETT LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: May 20, 2022
Submitted by: Hydro Survey Team Leader	Designed by: PDT
Recommended by: Chief, Hydro Survey Section	Checked by: PDT
Approved by: Chief, Construction Branch	Drawn by: PDT

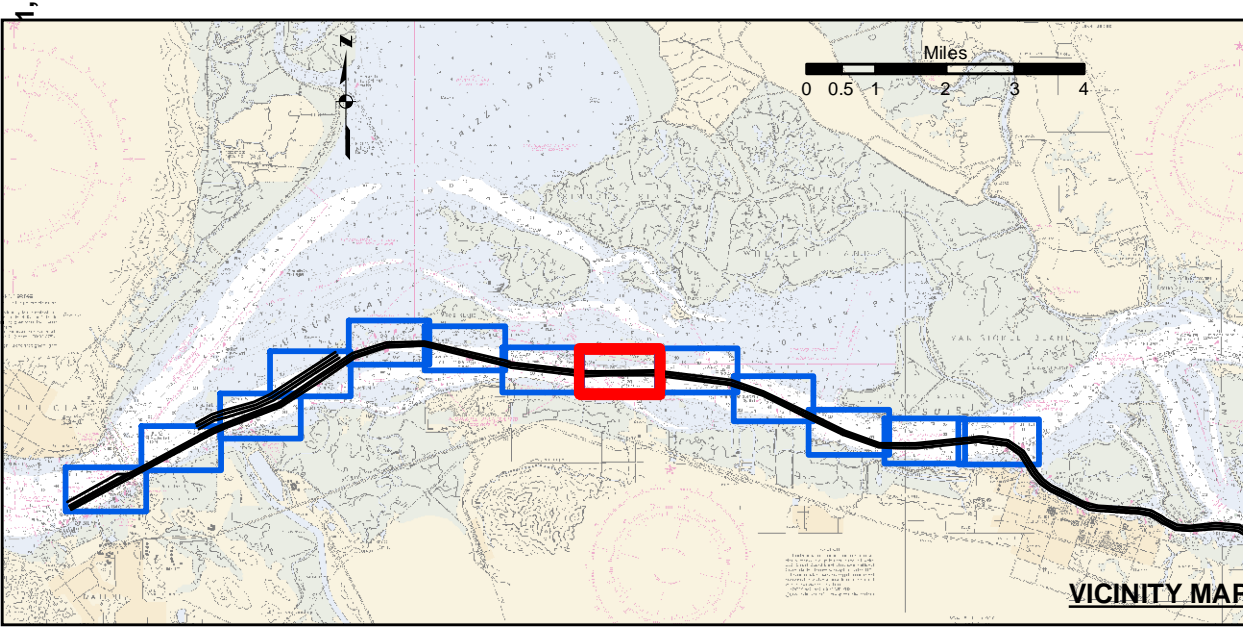
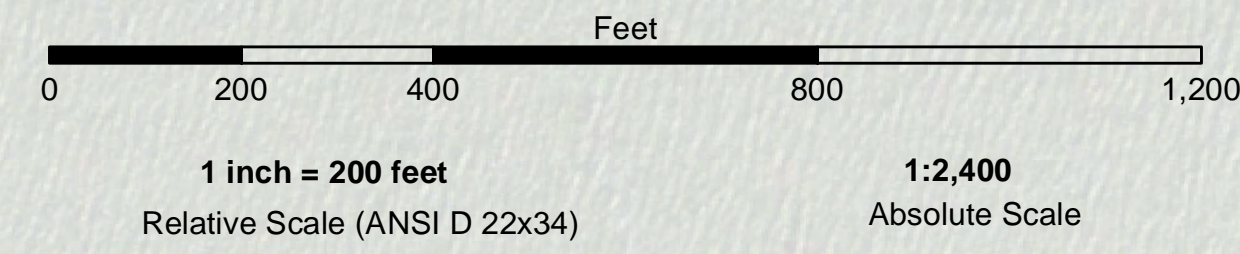
CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
CONDITION SURVEY
17-18 MAY 2022

Sheet Reference Number
7 of 13



PRELIMINARY ISSUE
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FLOOD →
← EBB



- 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.
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HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON



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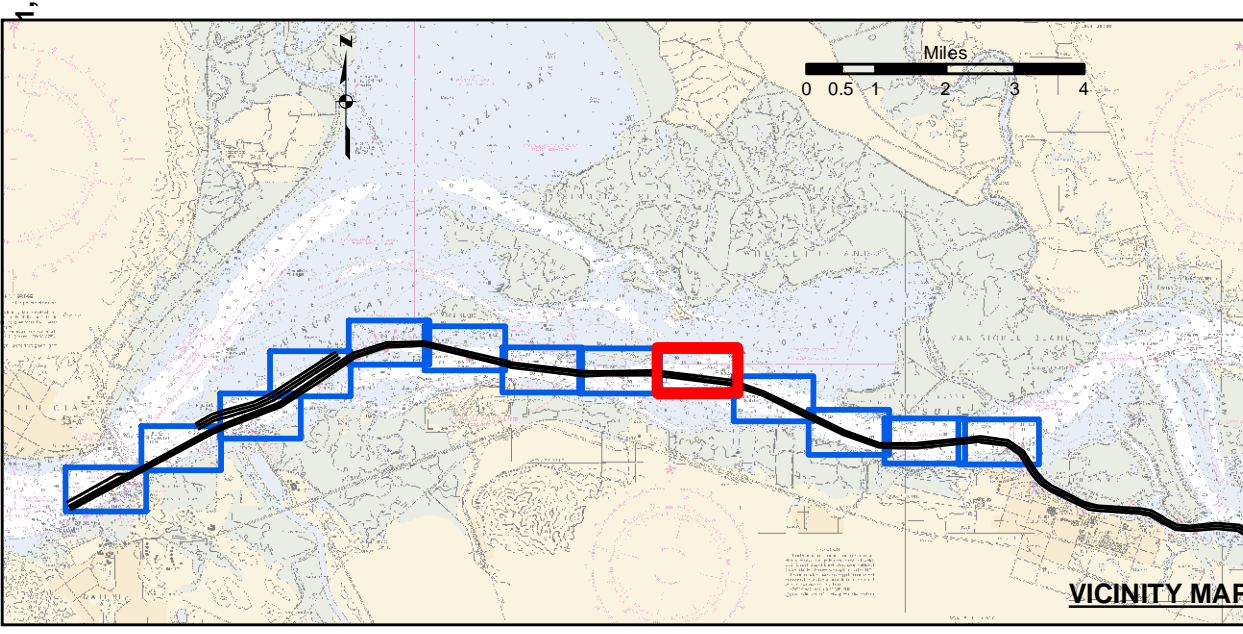
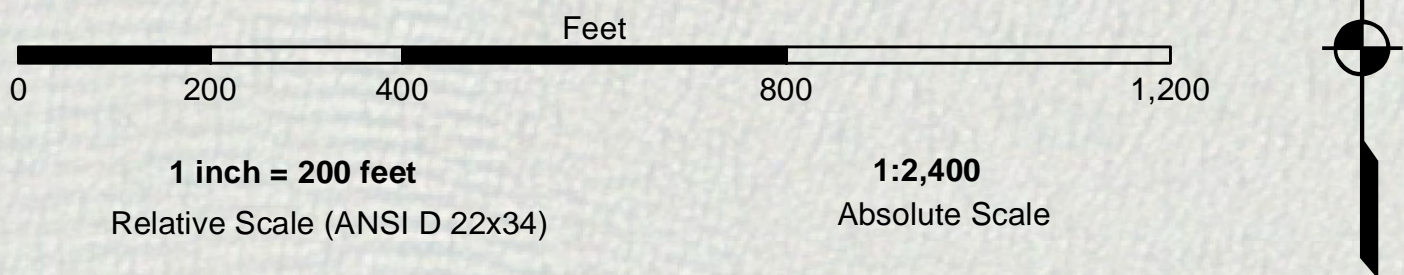
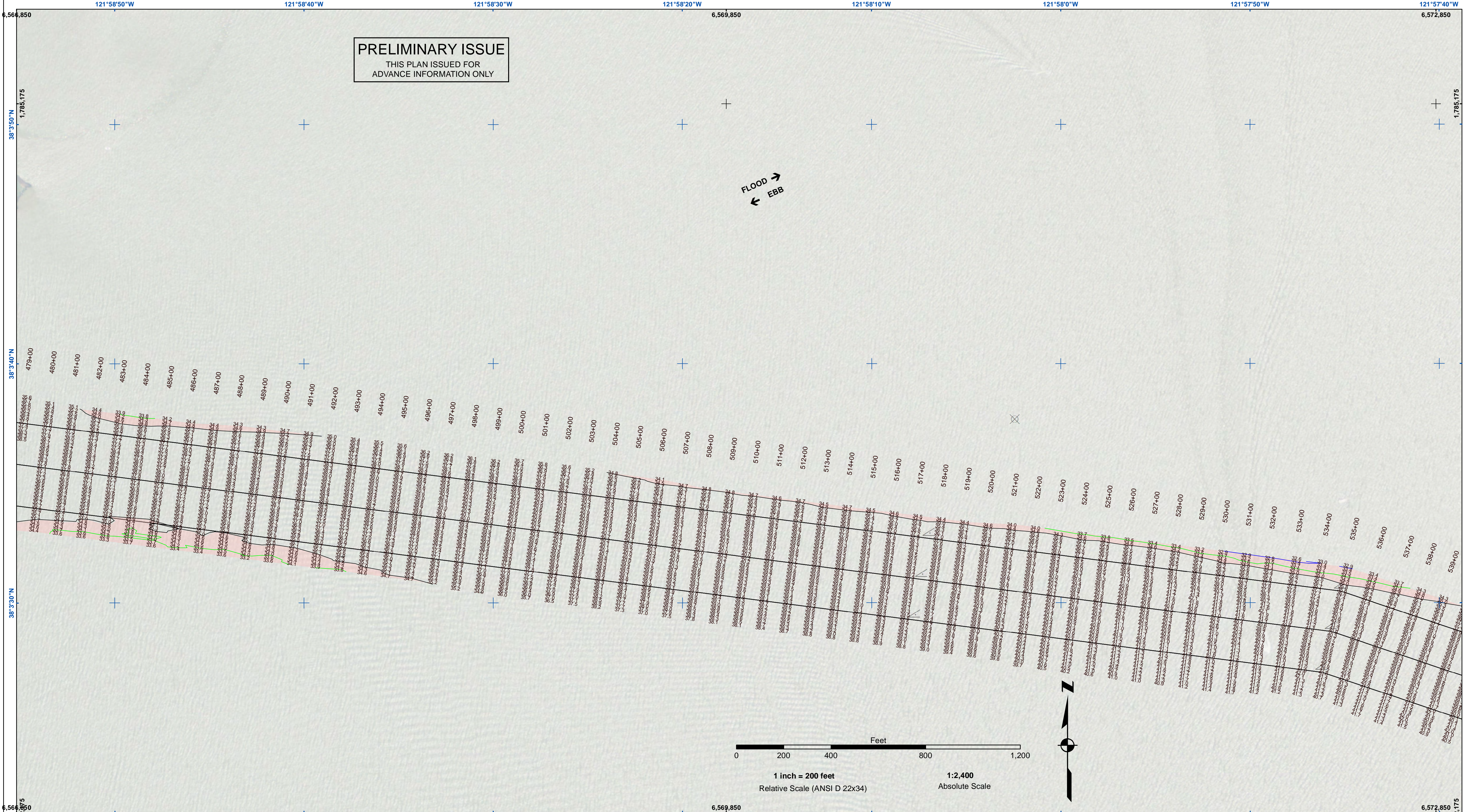
CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
CONDITION SURVEY
17-18 MAY 2022

Sheet Reference Number
8 of 13

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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	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

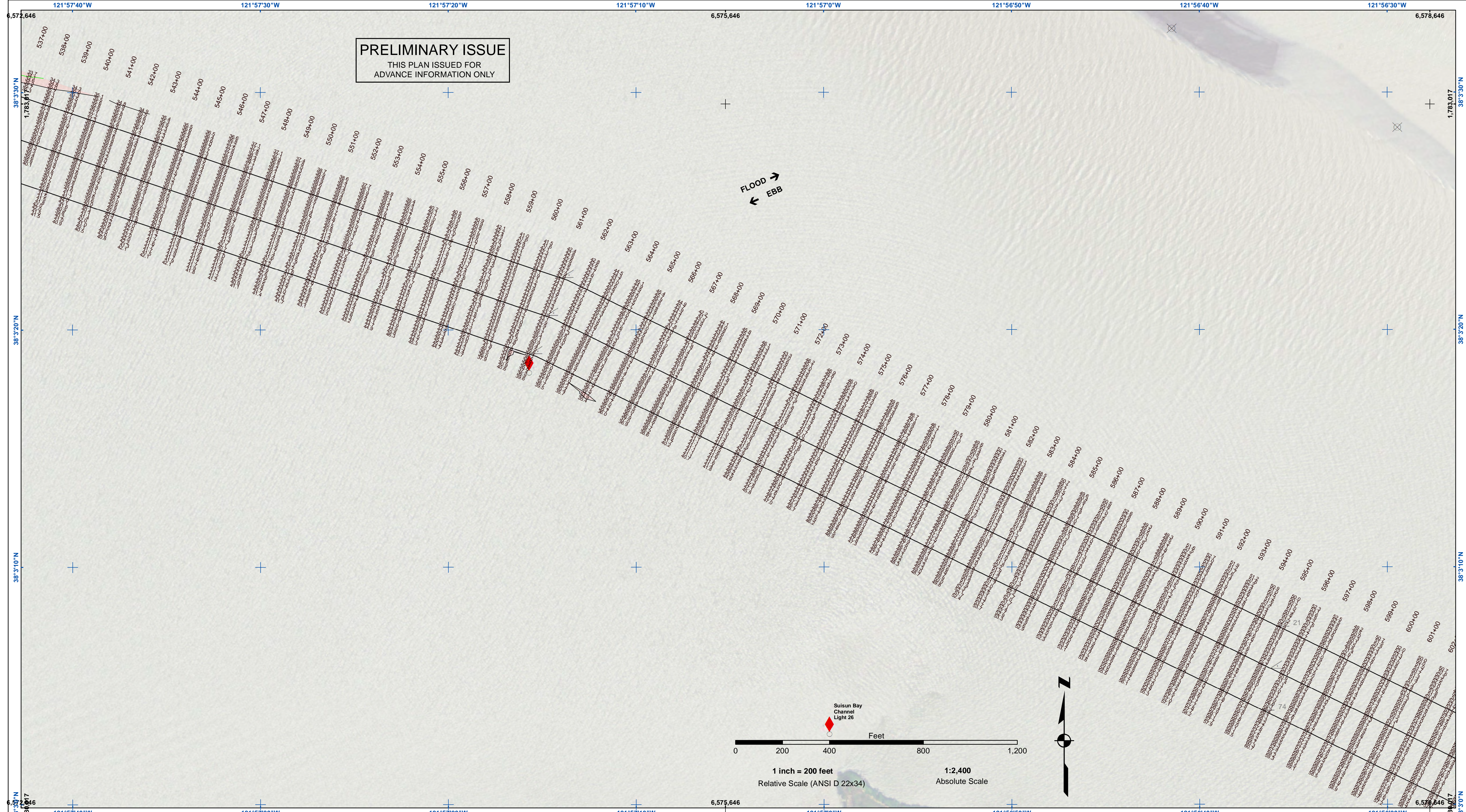
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HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

Chart Date:	May 20, 2022
Designed by:	PDT
Plotted By:	PDT
Checked By:	PDT
Drawn by:	PDT

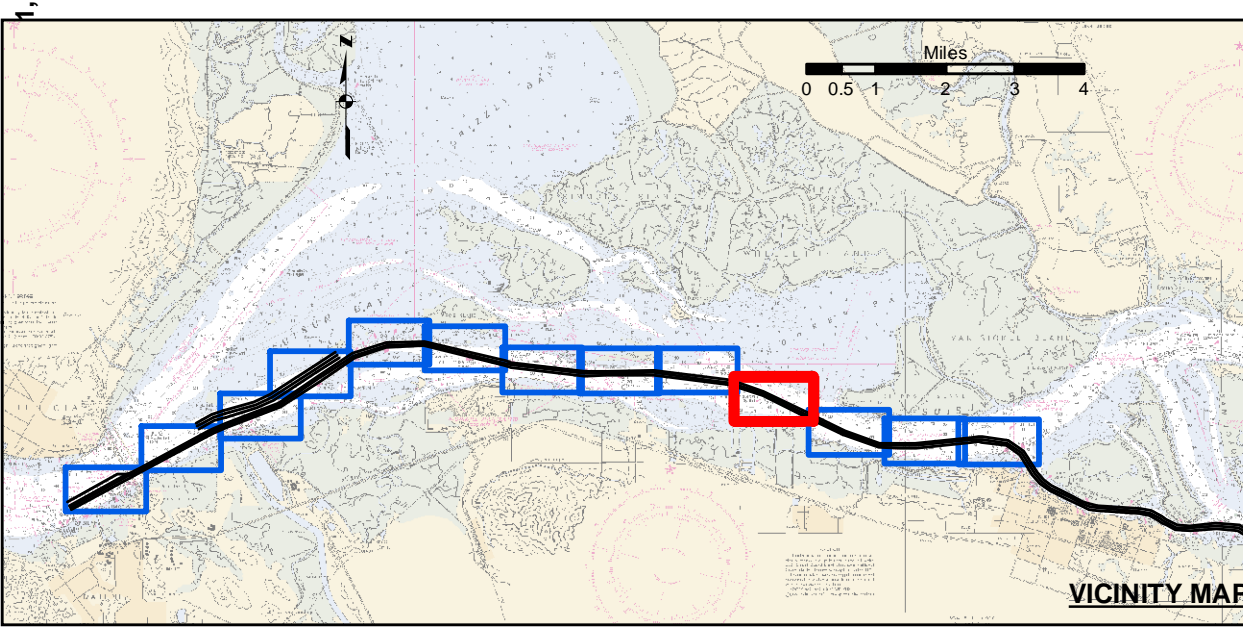
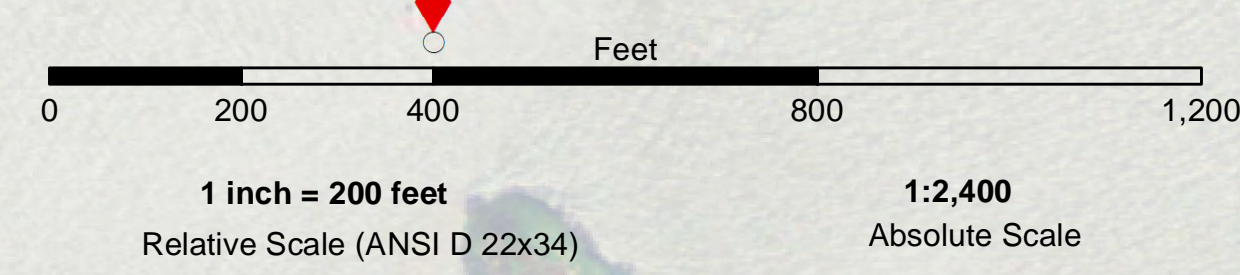
CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
CONDITION SURVEY
17-18 MAY 2022

**Sheet
Reference
Number
9 of 13**



PRELIMINARY ISSUE
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ADVANCE INFORMATION ONLY

FLOOD →
← EBB



- | | | |
|----------------------------|--------------------|-----------------|
| 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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HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

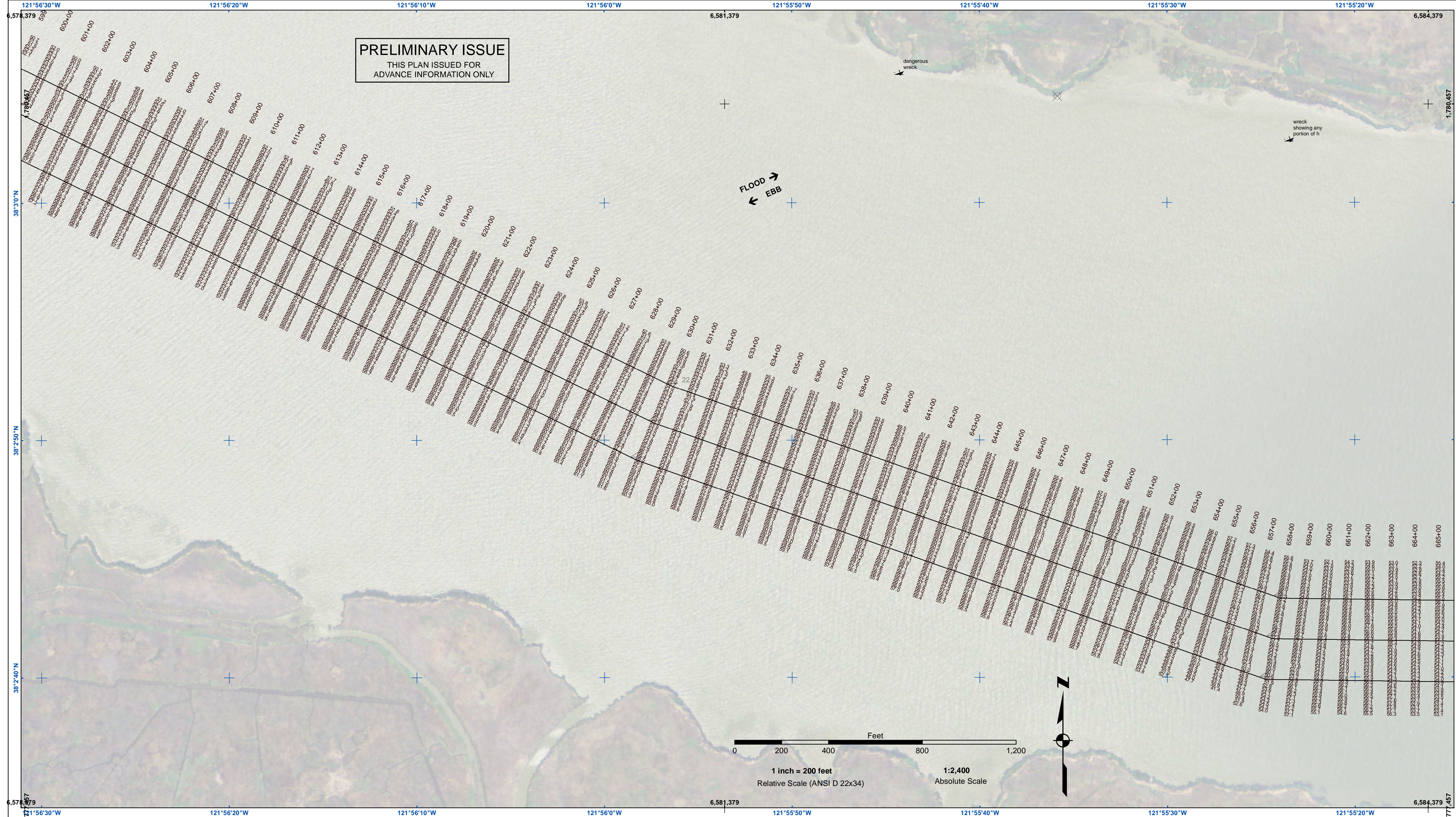
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San Francisco District
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San Francisco, CA 94102

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Prepared Under the Direction of KEVIN P. ARNETT LT COLONEL, C.E., DISTRICT ENGINEER	Surveyed By: PDT	Chart Date: May 20, 2022
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
CONDITION SURVEY
17-18 MAY 2022

Sheet Reference Number
10 of 13



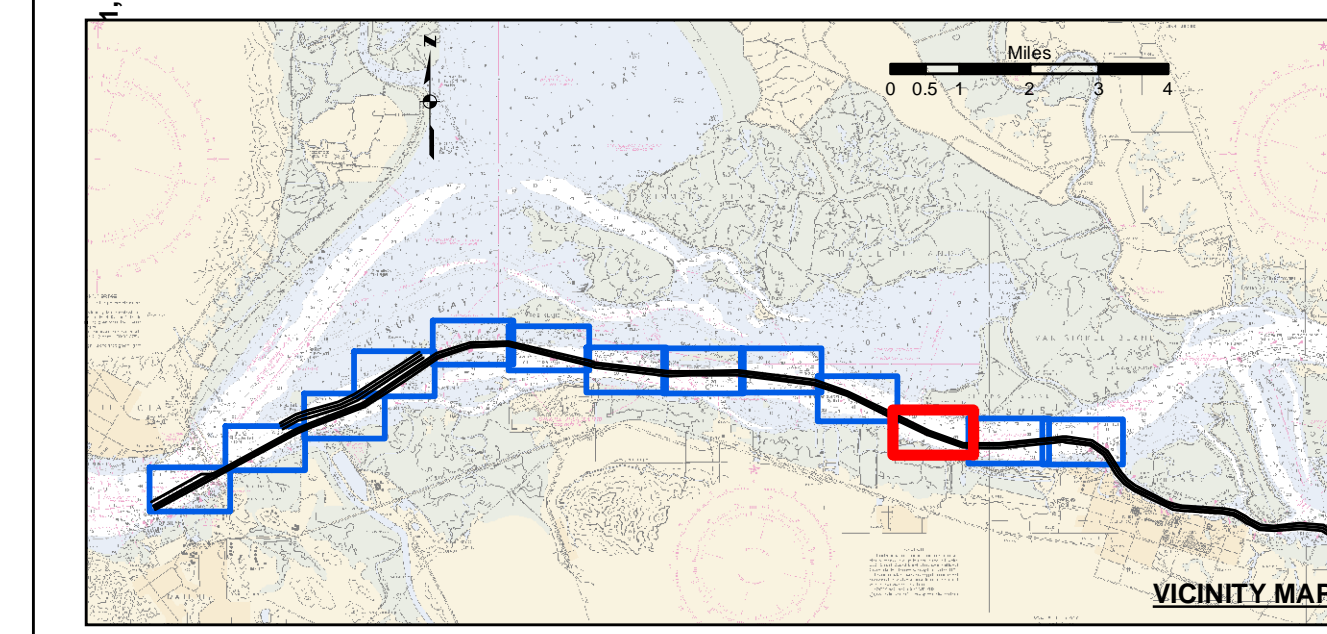
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Chart Date:	May 20, 2022
Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA
 CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
 CONDITION SURVEY
 17-18 MAY 2022

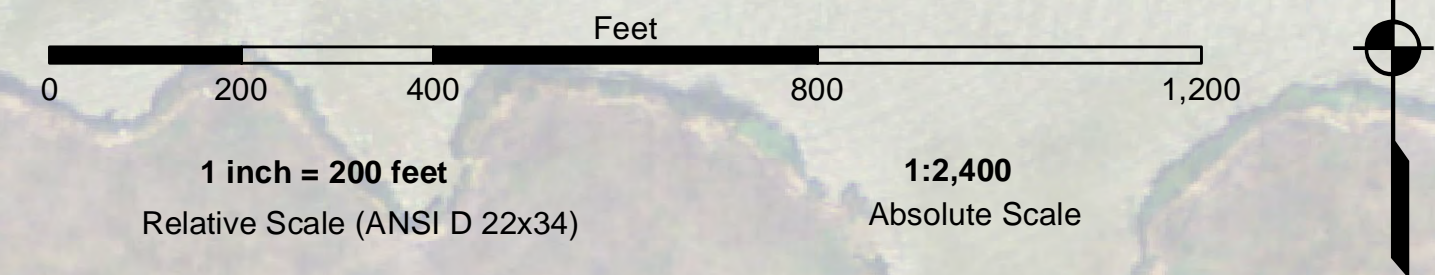
Sheet Reference Number
 11 of 13

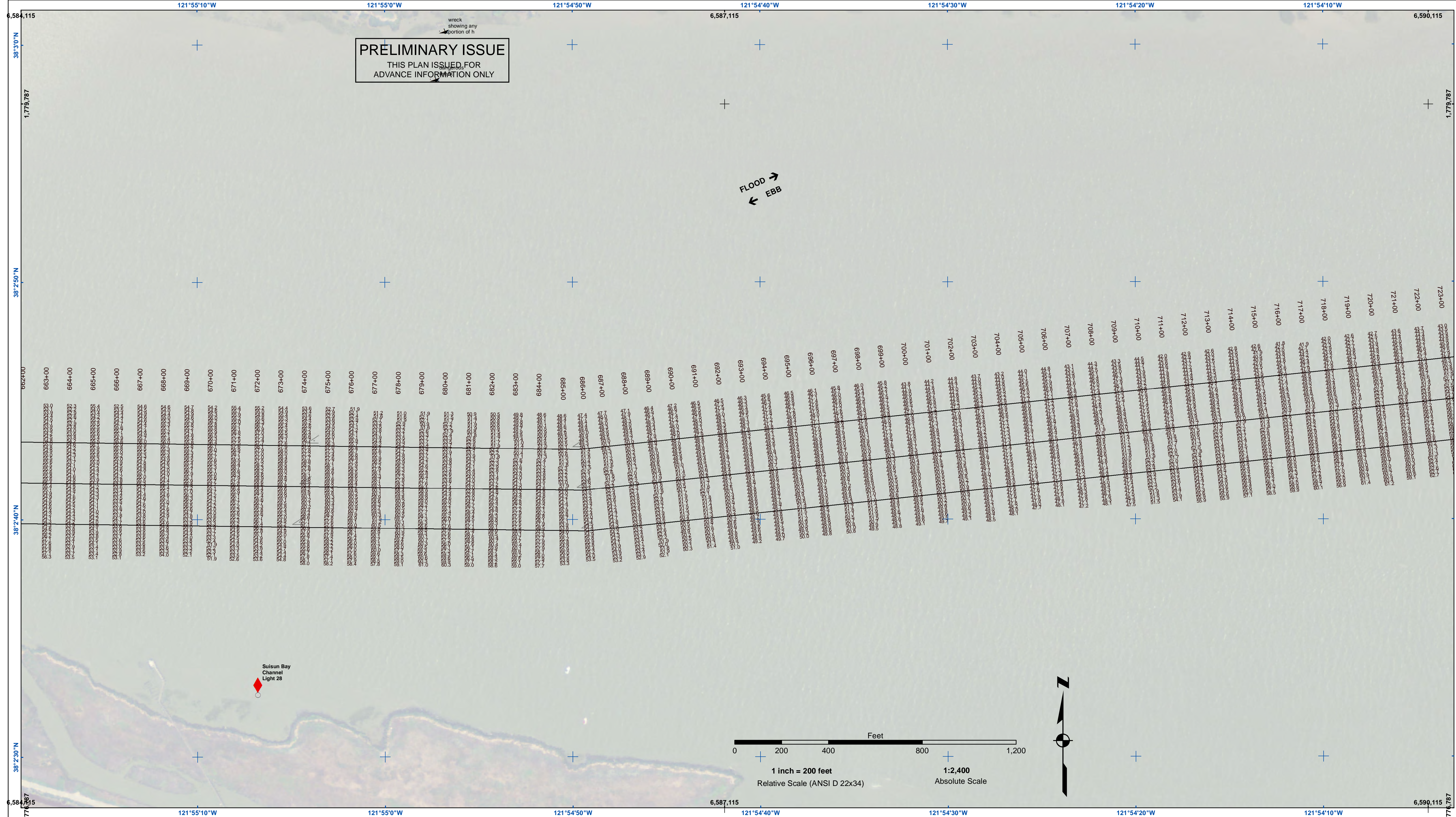


Federal Navigation Channel	Beacon, General	Contours
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	
Anchorage Area	Navigation Buoy	
Wreck Area	Shoalest Sounding*	
Submerged Wreck		-35
Angle Point		-34
		-33
		-32
		-31

NOTES:
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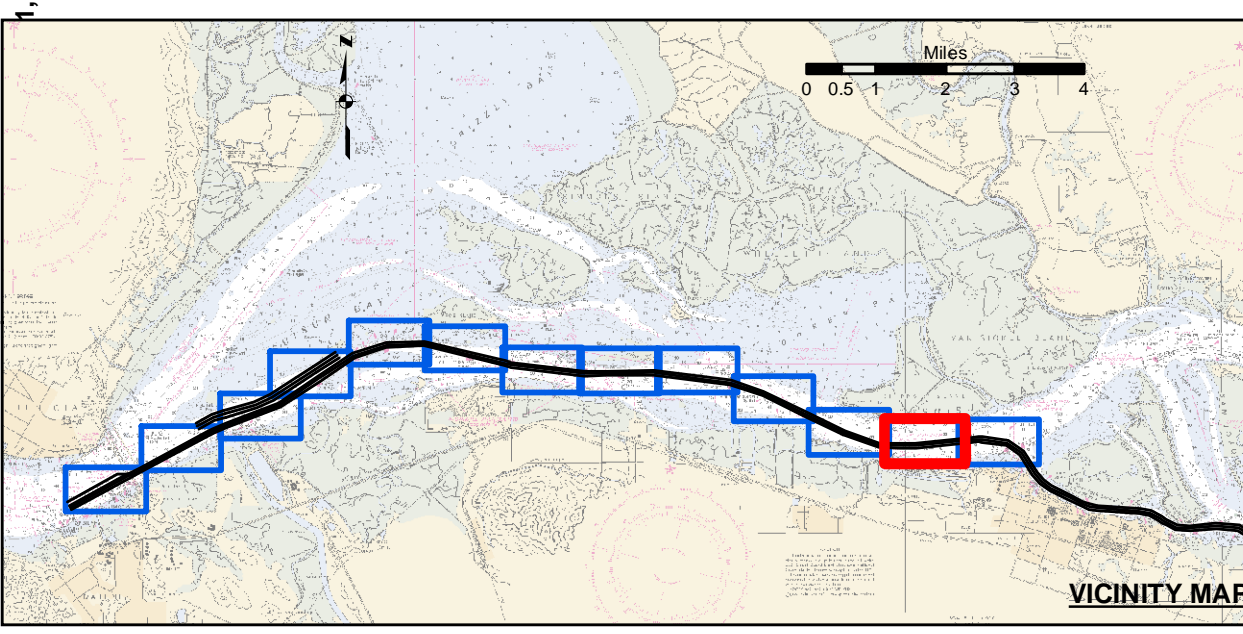
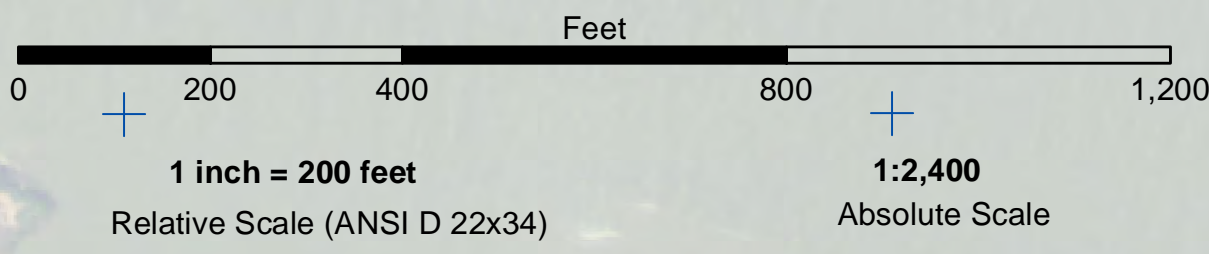




PRELIMINARY ISSUE
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FLOOD →
← EBB

Suisun Bay
Channel
Light 28



- 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
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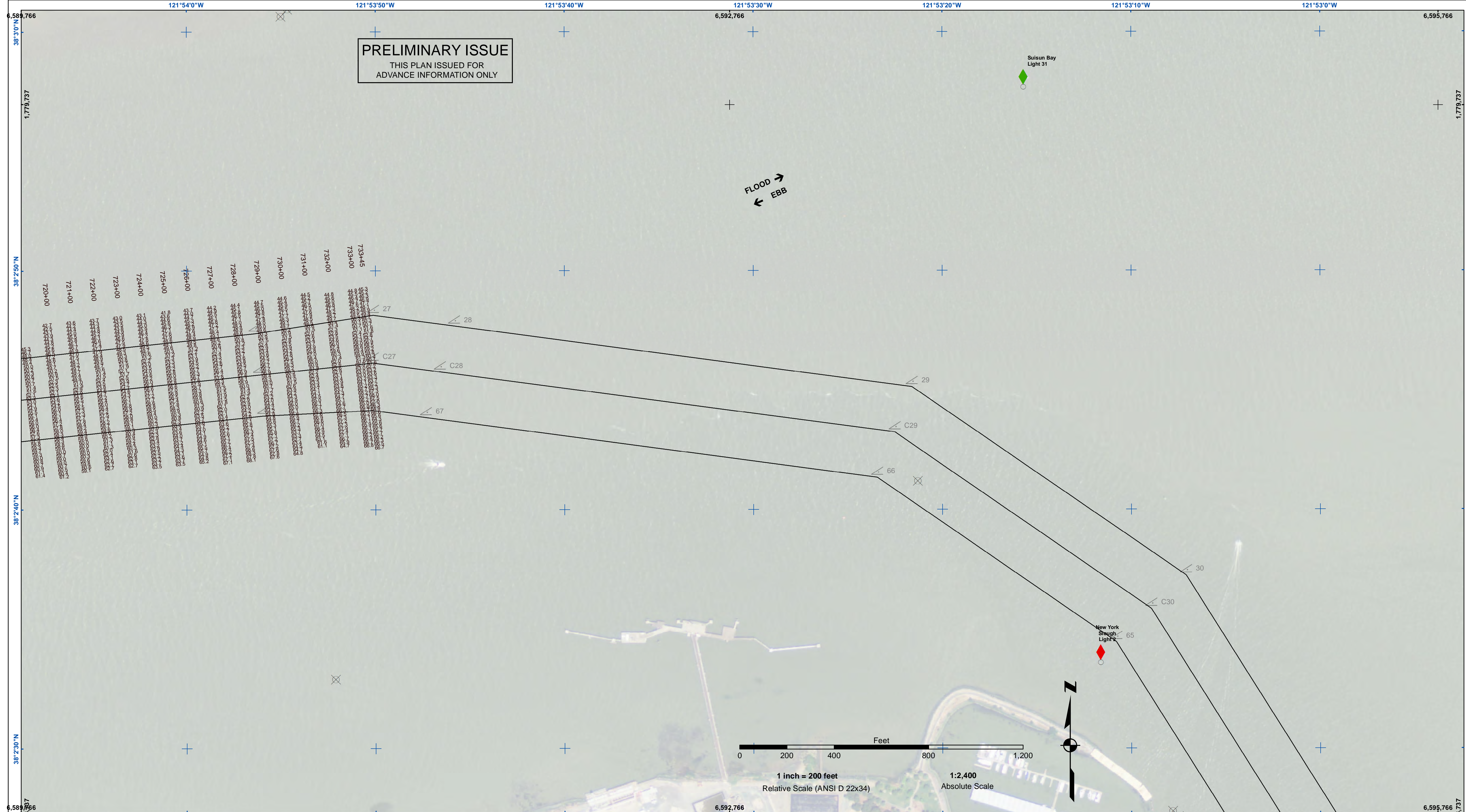
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Prepared Under the Direction of	Chart Date:
LT COLONEL P. ARNETT	May 20, 2022
Submitted:	Designed by:
Hydro Survey Team Leader	PDT
Recommended:	Checked by:
Chief, Hydro Survey Section	PDT
Approved:	Drawn by:
Chief, Construction Branch	PDT

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
CONDITION SURVEY
17-18 MAY 2022

Sheet Reference Number
12 of 13



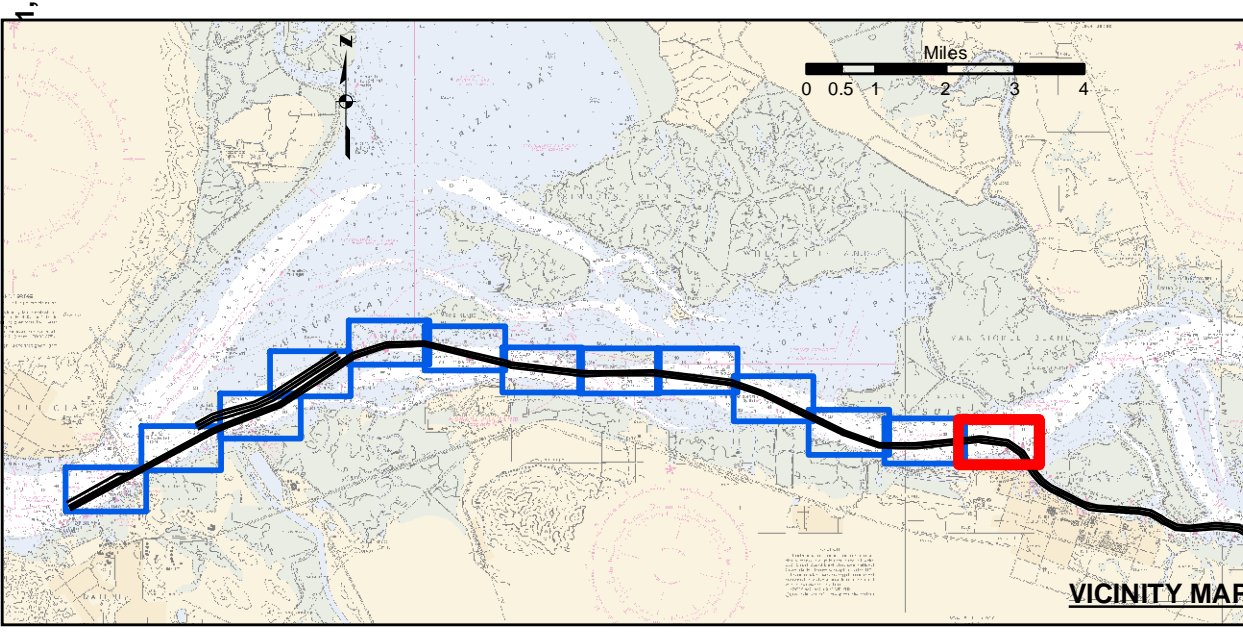
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CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
CONDITION SURVEY
17-18 MAY 2022



- | | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
| Shoaling Area | Obstruction Point | -35 |
| Placement Area | Navigation Buoy | -34 |
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| Angle Point | | |

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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

Sheet Reference Number
13 of 13