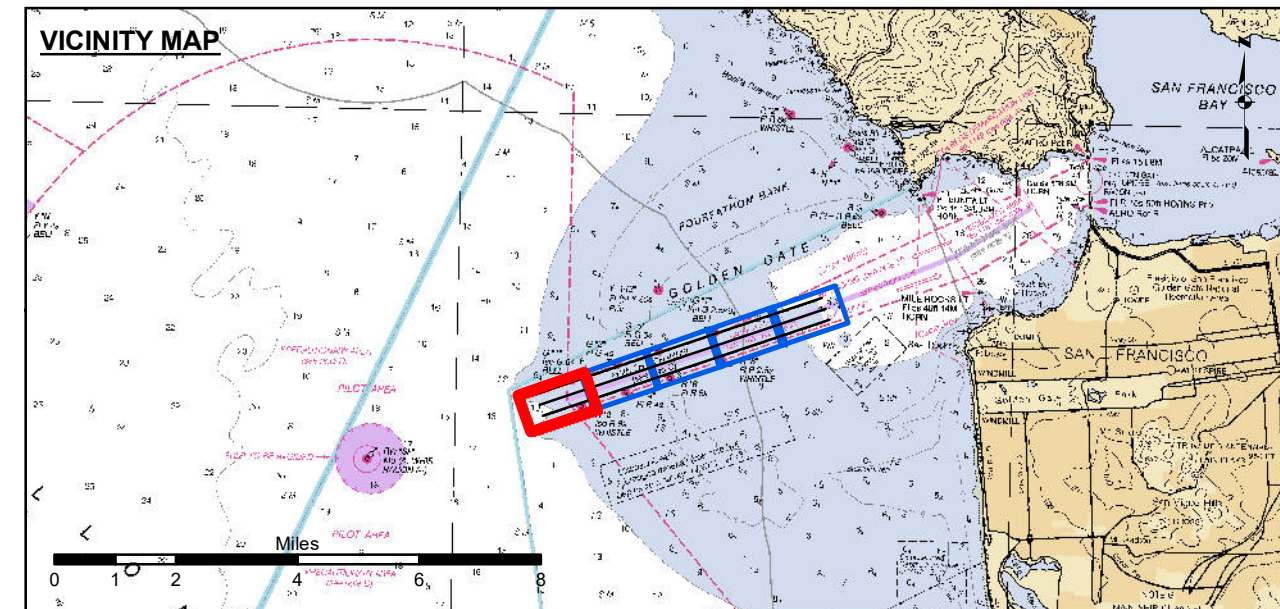
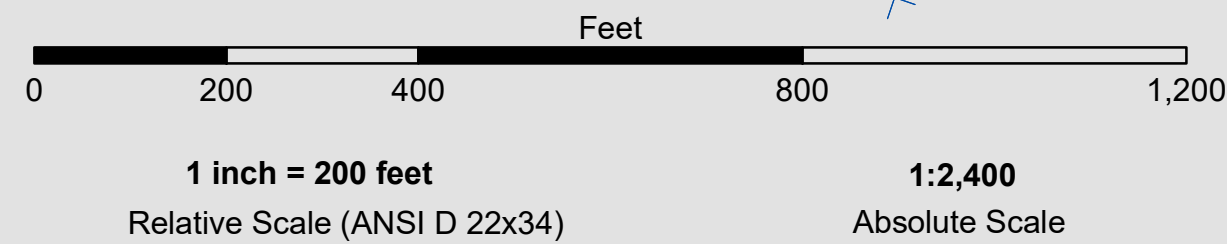


CHANNEL ANGLE POINTS - NAD 83		
CHANNEL ∠	EAST	NORTH
A	5942376.6491	2108540.1149
B	5943012.7491	2106643.9149
C	5967229.2491	2116876.3149
D	5967865.3491	2114980.1149

CENTERLINE ANGLE POINTS - NAD 83		
CENTERLINE ∠	EAST	NORTH
C1	5942694.6491	2107592.0149
C2	5967547.2491	2115928.2149

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



- 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\*
- Contour Lines**
- 51
- 52
- 53
- 54
- 55

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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\*SHOALEST SOUNDING PER QUARTER PER REACH

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VERTICAL CONTROL:  
BENCHMARK "Q-481" USC&GS DISK ELEV. 19.54 FT MLLW.  
HORIZONTAL CONTROL:  
COAST GUARD D-BEACON.

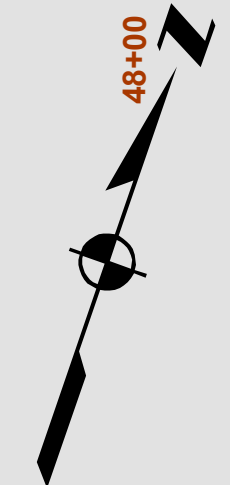
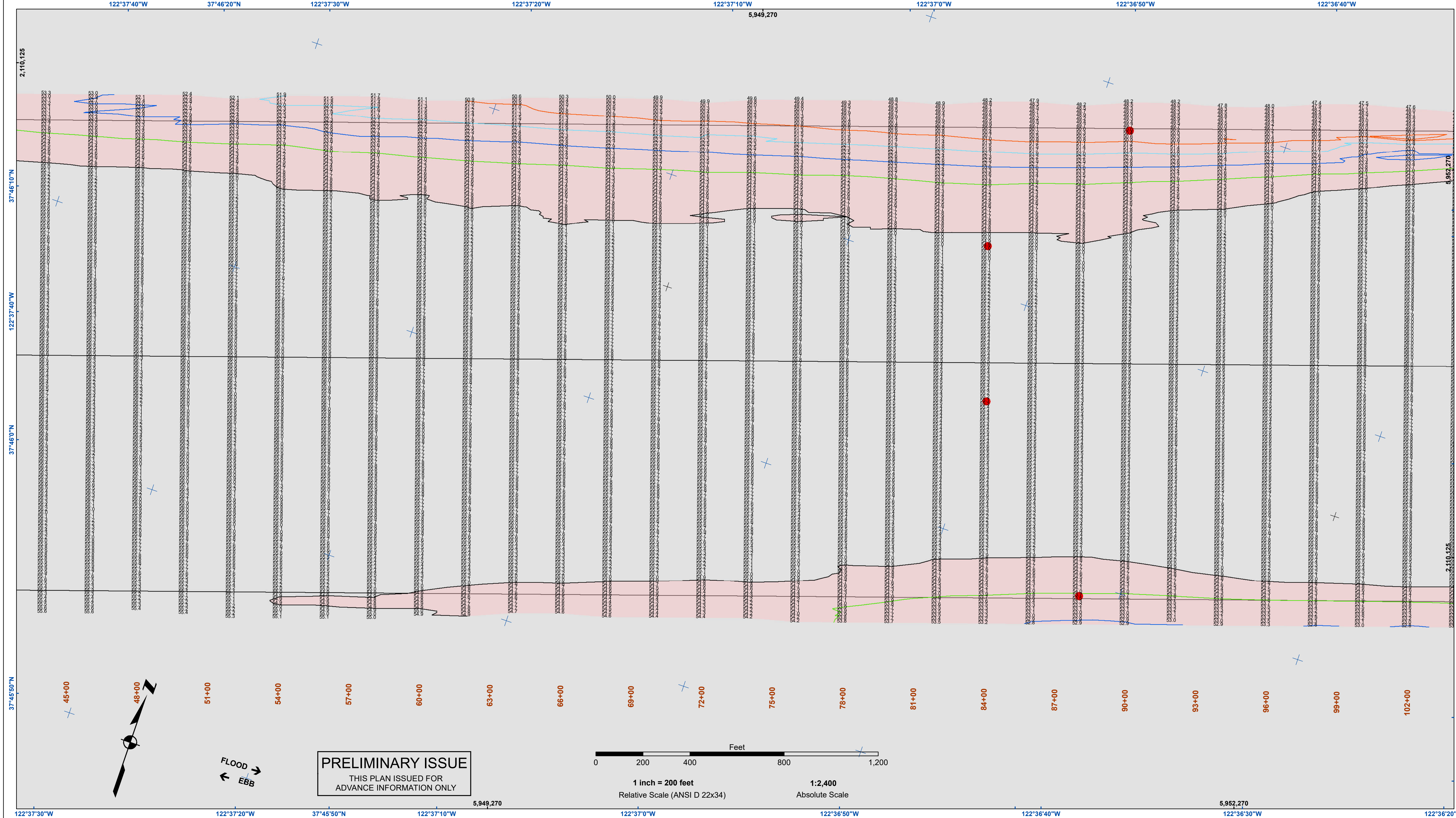


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PREPARED UNDER THE DIRECTION OF <b>TIMOTHY W. SHEBESTA</b> LT. COLONEL, C.E. DISTRICT ENGINEER	Surveyed By: _____	Chart Date: Mar 01, 2024
Submitted: Hydro Survey Team Leader	Plotted By: PDT	Designed by: _____
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Drawn by: _____
Approved: Chief, Construction Branch		PDT

CALIFORNIA  
SAN FRANCISCO BAY  
**SAN FRANCISCO MAINSHIP CHANNEL CONDITION SURVEY**  
13-27 FEBRUARY 2024

**Sheet Reference Number**  
1 of 5

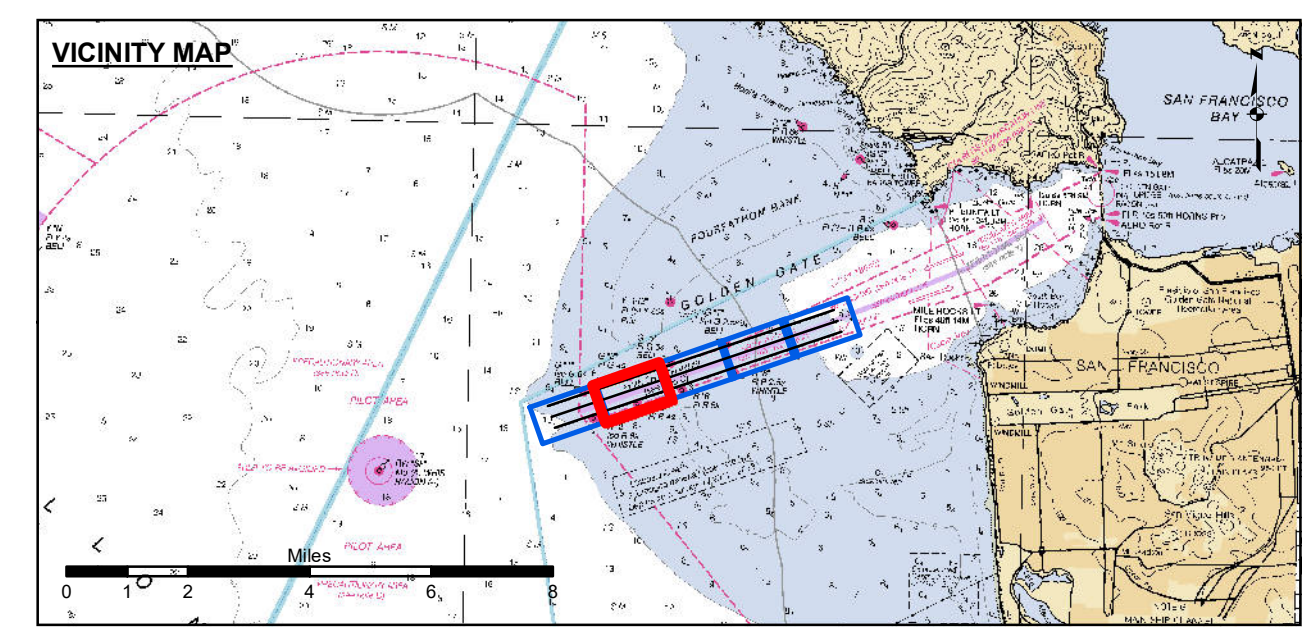


FLOOD →  
← EBB

**PRELIMINARY ISSUE**  
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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
  - Shoalest Sounding\*
- Contour Lines**
- 51
  - 52
  - 53
  - 54
  - 55

NOTES:  
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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.

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VERTICAL CONTROL:  
BENCHMARK "Q-481" USC&GS DISK ELEV. 19.54 FT MLLW.

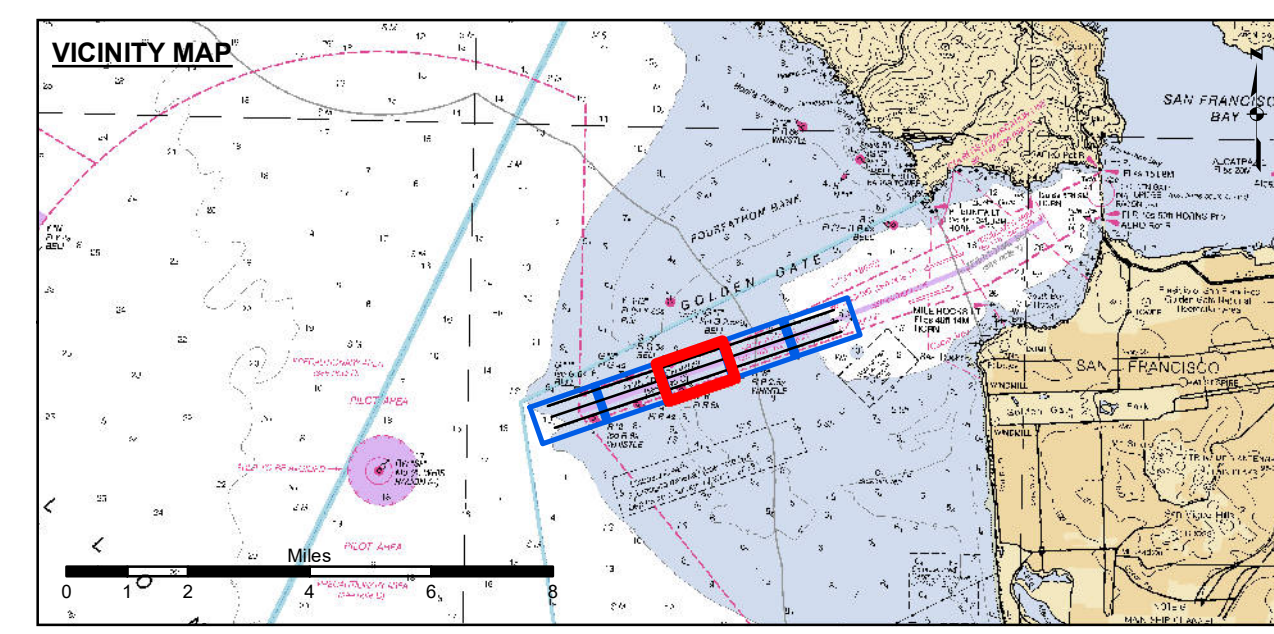
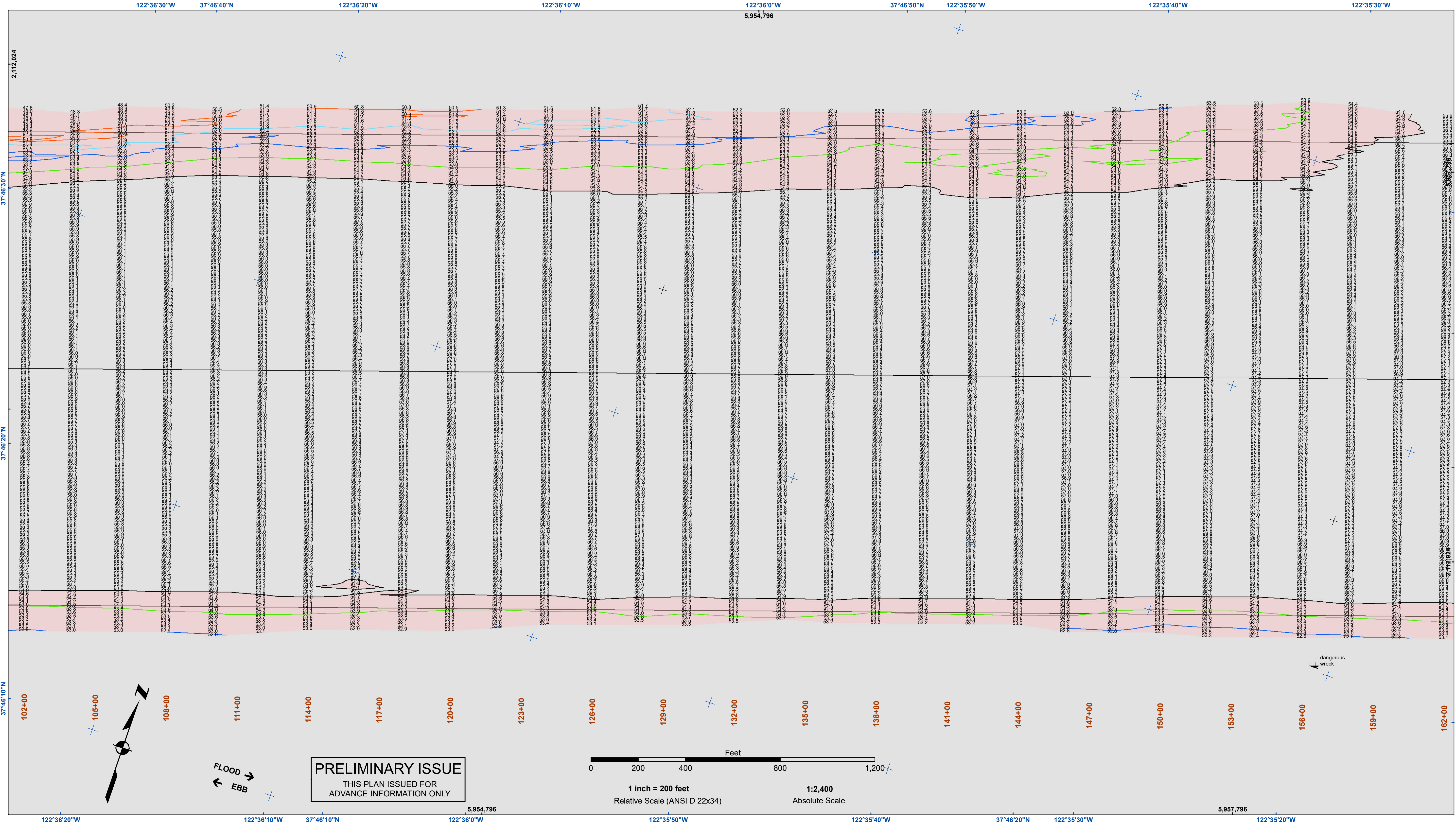
HORIZONTAL CONTROL:  
COAST GUARD D-BEACON.

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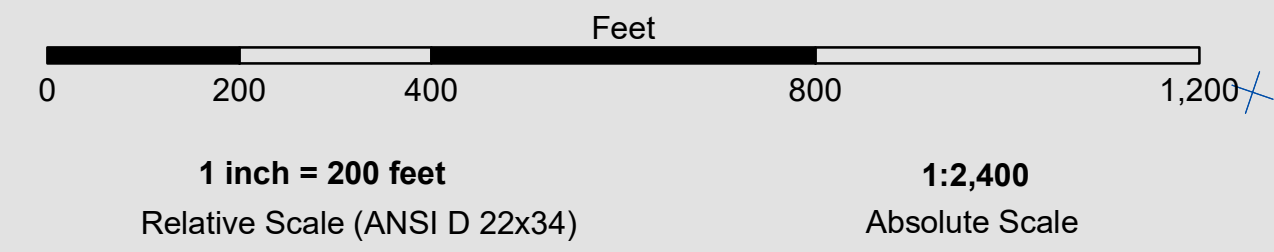
Prepared Under the Direction of <b>TIMOTHY W. SHEBESTA</b> LT COLONEL, C.E. DISTRICT ENGINEER	Surveyed By: PDT	Chart Date: Mar 01, 2024
Submitted: Hydro Survey Team Leader	Plotted By: PDT	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Drawn by: PDT
Approved: Chief, Construction Branch		

CALIFORNIA  
SAN FRANCISCO  
MAINSHIP CHANNEL  
CONDITION SURVEY  
13-27 FEBRUARY 2024

Sheet  
Reference  
Number  
**2 of 5**



**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
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- |  |                            |  |                    |                      |  |    |
|--|----------------------------|--|--------------------|----------------------|--|----|
|  | Federal Navigation Channel |  | Beacon, General    | <b>Contour Lines</b> |  | 51 |
|  | Shoaling Area              |  | Obstruction Point  |                      |  | 52 |
|  | Placement Area             |  | Navigation Buoy    |                      |  | 53 |
|  | Anchorage Area             |  | Navigation Buoy    |                      |  | 54 |
|  | Wreck Area                 |  | Shoalest Sounding* |                      |  | 55 |
|  | Submerged Wreck            |  |                    |                      |  |    |
|  | Angle Point                |  |                    |                      |  |    |

NOTES:  
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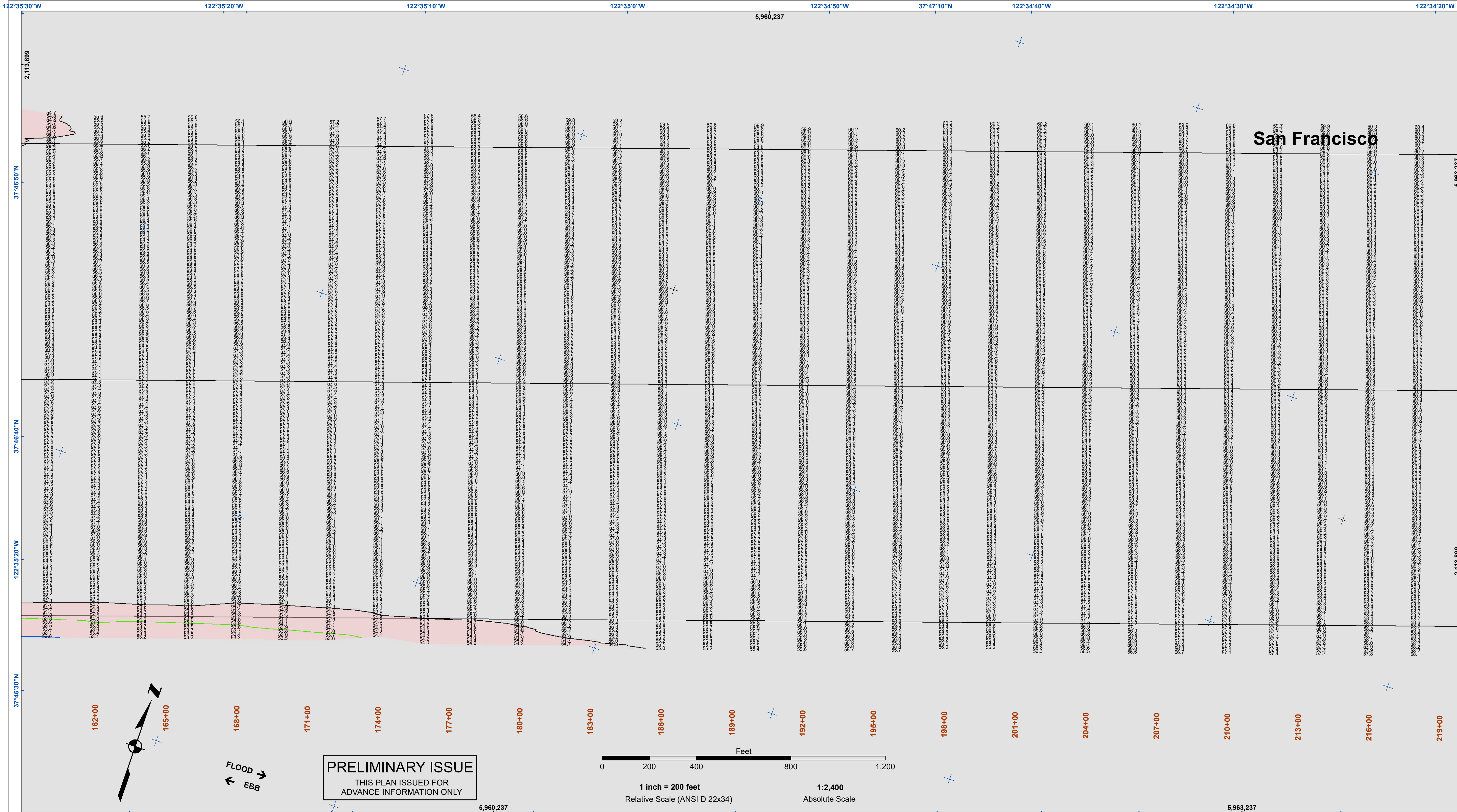
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VERTICAL CONTROL:  
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HORIZONTAL CONTROL:  
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Recommended: Chief, Hydro Survey Section	Checked By: PDT	Drawn by: PDT
Approved: Chief, Construction Branch		

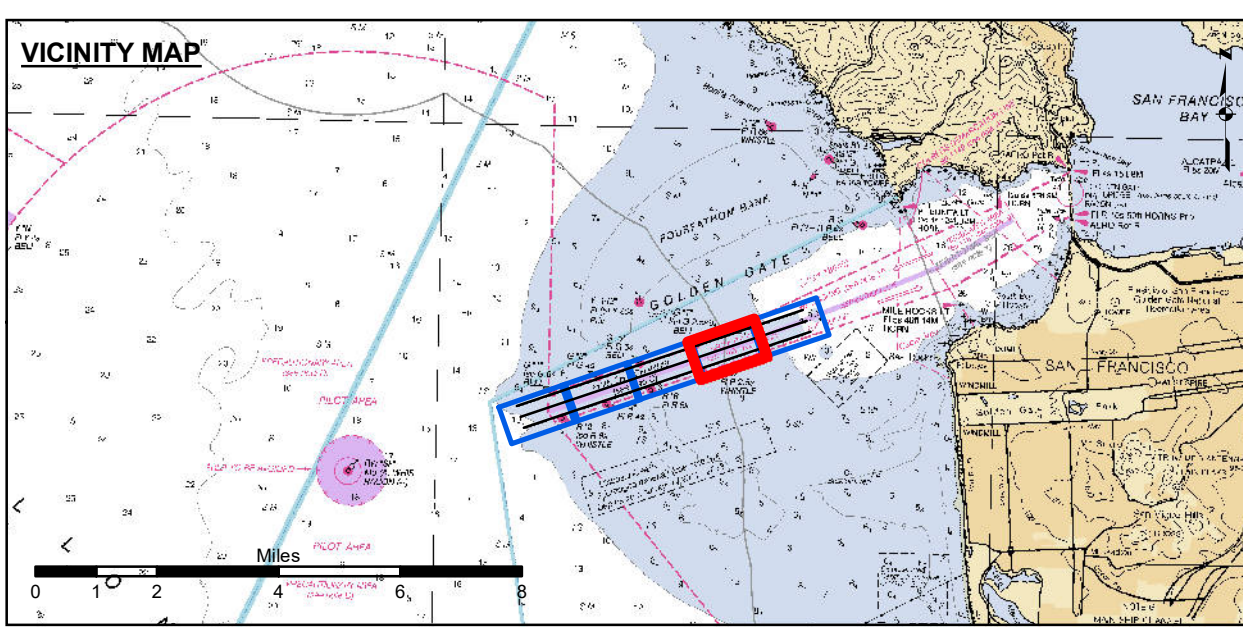
CALIFORNIA  
SAN FRANCISCO BAY  
**SAN FRANCISCO MAINSHIP CHANNEL CONDITION SURVEY**  
13-27 FEBRUARY 2024

**Sheet Reference Number**  
3 of 5



San Francisco

**PRELIMINARY ISSUE**  
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- |  |                            |  |                    |                      |    |
|--|----------------------------|--|--------------------|----------------------|----|
|  | Federal Navigation Channel |  | Beacon, General    | <b>Contour Lines</b> |    |
|  | Shoaling Area              |  | Obstruction Point  |                      |    |
|  | Placement Area             |  | Navigation Buoy    |                      |    |
|  | Anchorage Area             |  | Navigation Buoy    |                      |    |
|  | Wreck Area                 |  | Shoalest Sounding* |                      |    |
|  | Submerged Wreck            |  |                    |                      | 51 |
|  | Angle Point                |  |                    |                      | 52 |
|  |                            |  |                    |                      | 53 |
|  |                            |  |                    |                      | 54 |
|  |                            |  |                    |                      | 55 |

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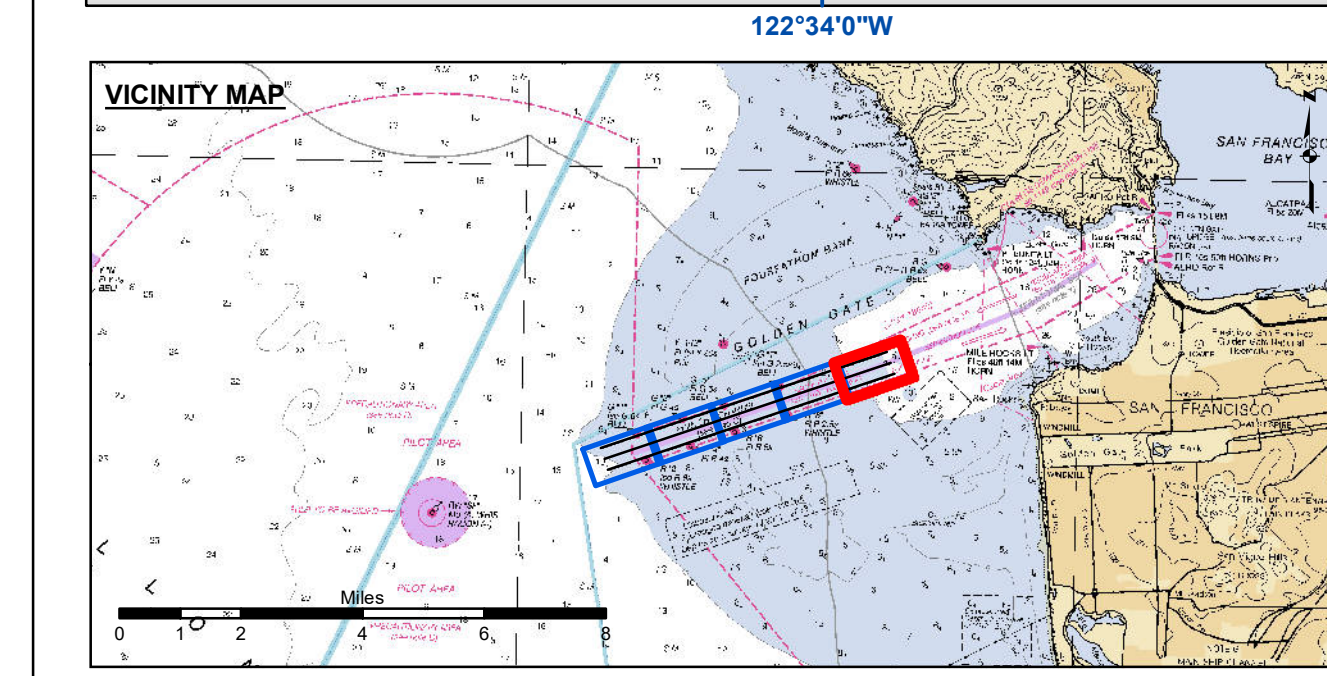
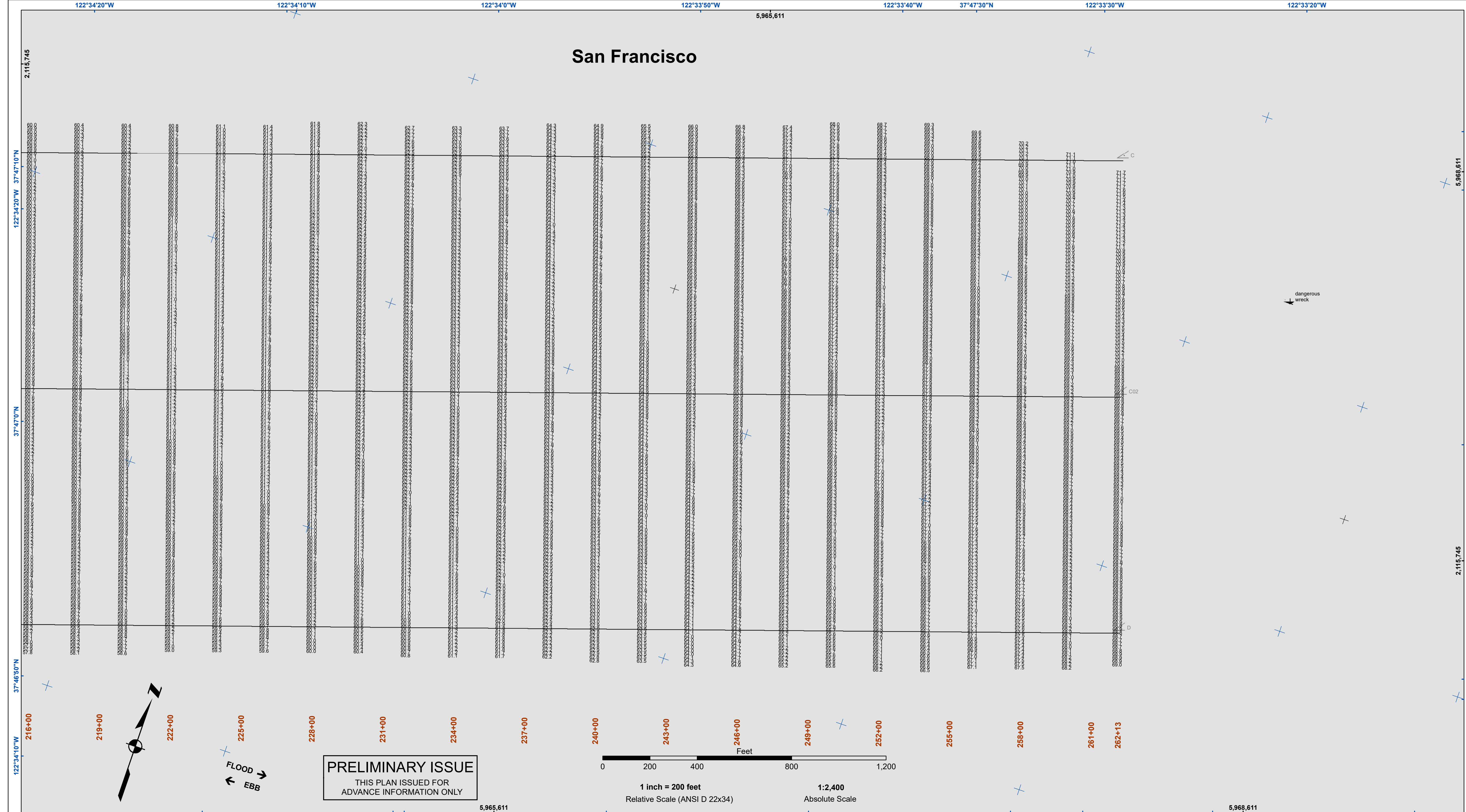
US Army Corps  
of Engineers  
San Francisco District  
450 Golden Gate Avenue  
San Francisco, CA 94102

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Approved: Chief, Construction Branch		

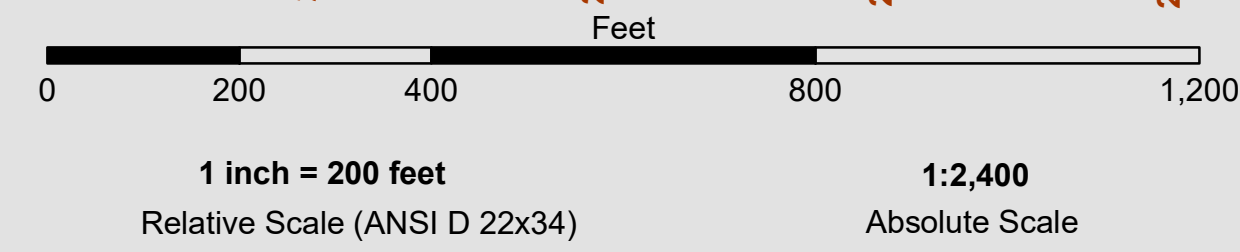
CALIFORNIA  
SAN FRANCISCO  
MAINSHIP CHANNEL  
CONDITION SURVEY  
13-27 FEBRUARY 2024

Sheet  
Reference  
Number  
**4 of 5**



**PRELIMINARY ISSUE**  
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- |  |                            |  |                    |                      |    |
|--|----------------------------|--|--------------------|----------------------|----|
|  | Federal Navigation Channel |  | Beacon, General    | <b>Contour Lines</b> |    |
|  | Shoaling Area              |  | Obstruction Point  |                      | 51 |
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|  | Angle Point                |  |                    |                      |    |



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Submitted: Hydro Survey Team Leader	Designed by: PDT
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Approved: Chief, Construction Branch	Drawn by: PDT

CALIFORNIA  
SAN FRANCISCO BAY  
**SAN FRANCISCO MAINSHIP CHANNEL CONDITION SURVEY**  
13-27 FEBRUARY 2024

**Sheet Reference Number**  
5 of 5