



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

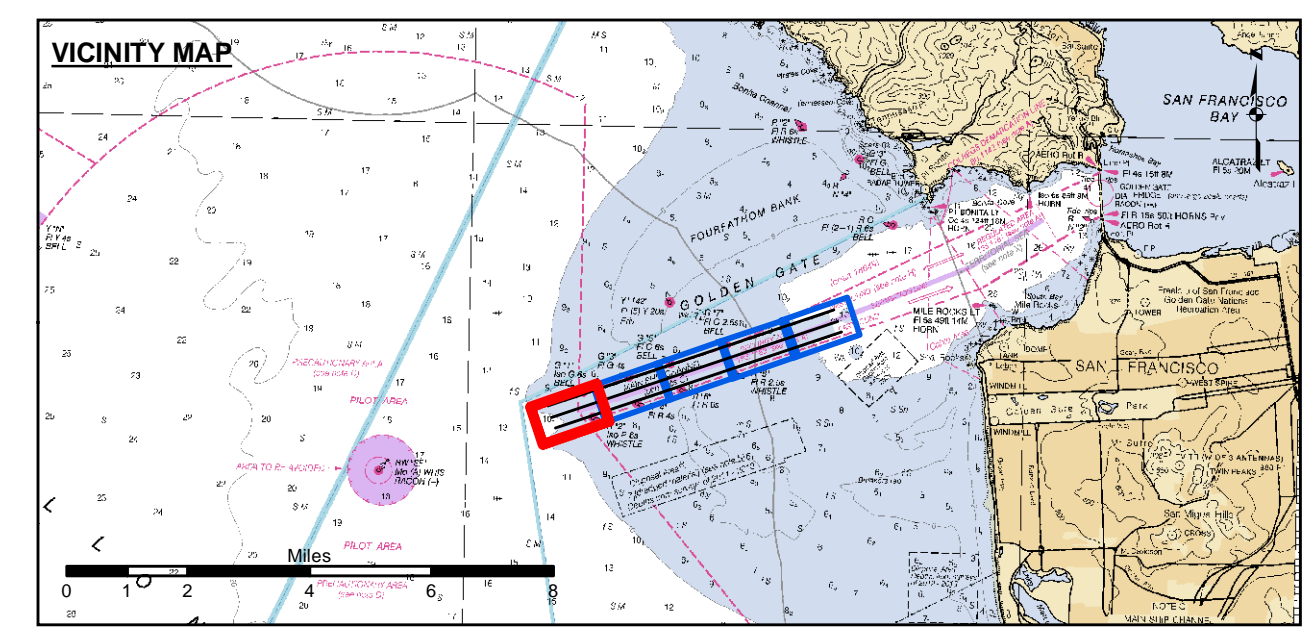


CHANNEL ANGLE POINTS - NAD 83

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



- 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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BENCHMARK "Q-481" USCGS DISK ELEV. 19.54 FT MLLW.
HORIZONTAL CONTROL:
COAST GUARD D-BEACON.

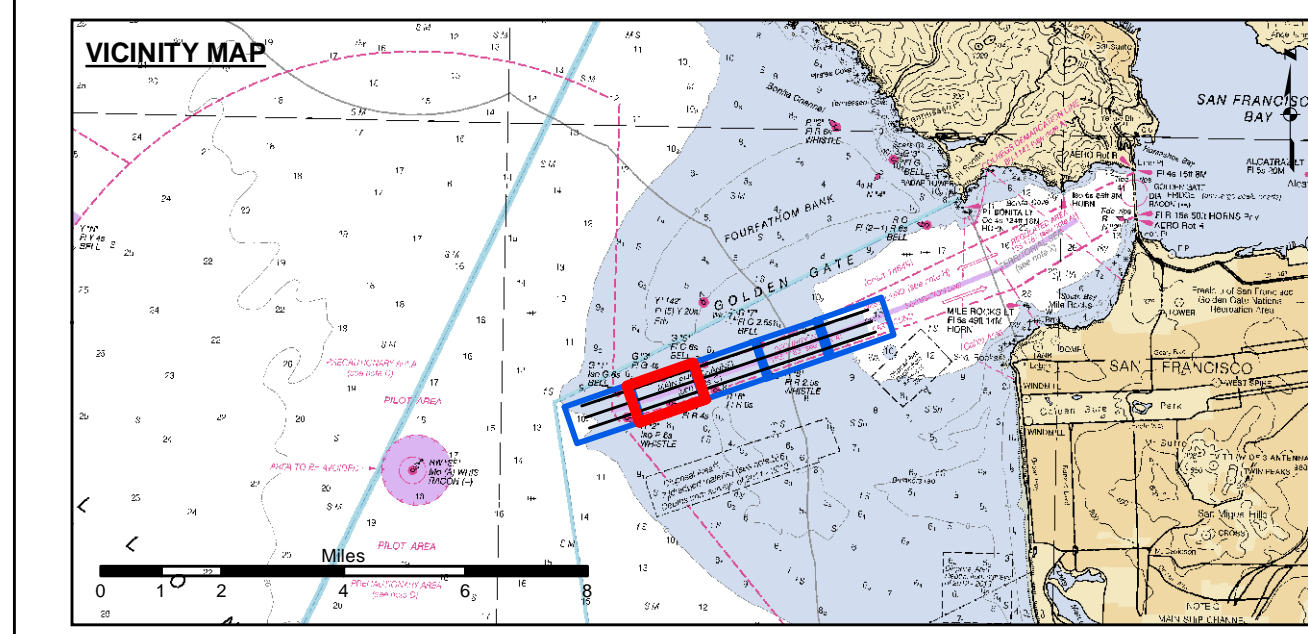
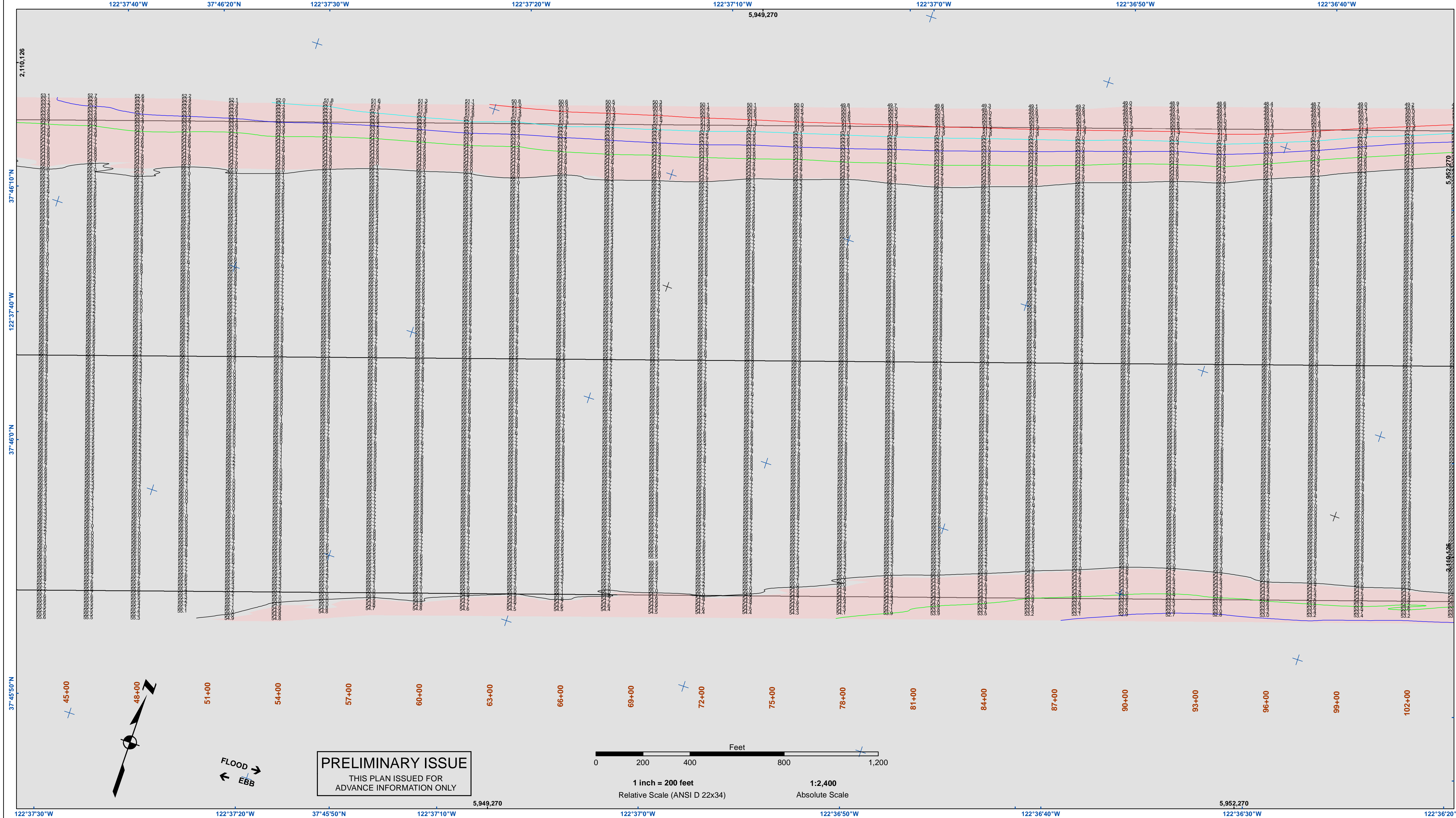
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PREPARED UNDER THE DIRECTION OF
JOHN D. CUNNINGHAM
LT. COLONEL, C.E., DISTRICT ENGINEER

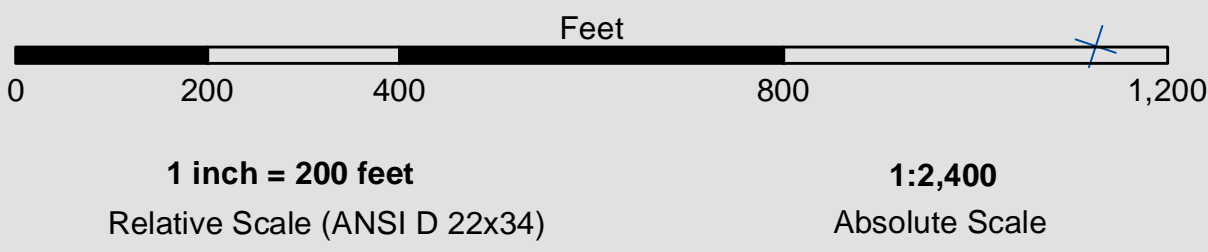
Surveyed By:	Chart Date:
Plotted By: PDT	Jan 27, 2021
Checked By: PDT	Designed by:
Approved: Chief, Construction Branch	Drawn by: PDT

SAN FRANCISCO BAY
SAN FRANCISCO MAINSHIP CHANNEL
CONDITION SURVEY
20-21 JANUARY 2021

Sheet Reference Number
1 of 5



PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



- | | | | | | | |
|--|----------------------------|--|--------------------|----------------------|--|----|
| | Federal Navigation Channel | | Beacon, General | Contour Lines | | 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 | | | | | |

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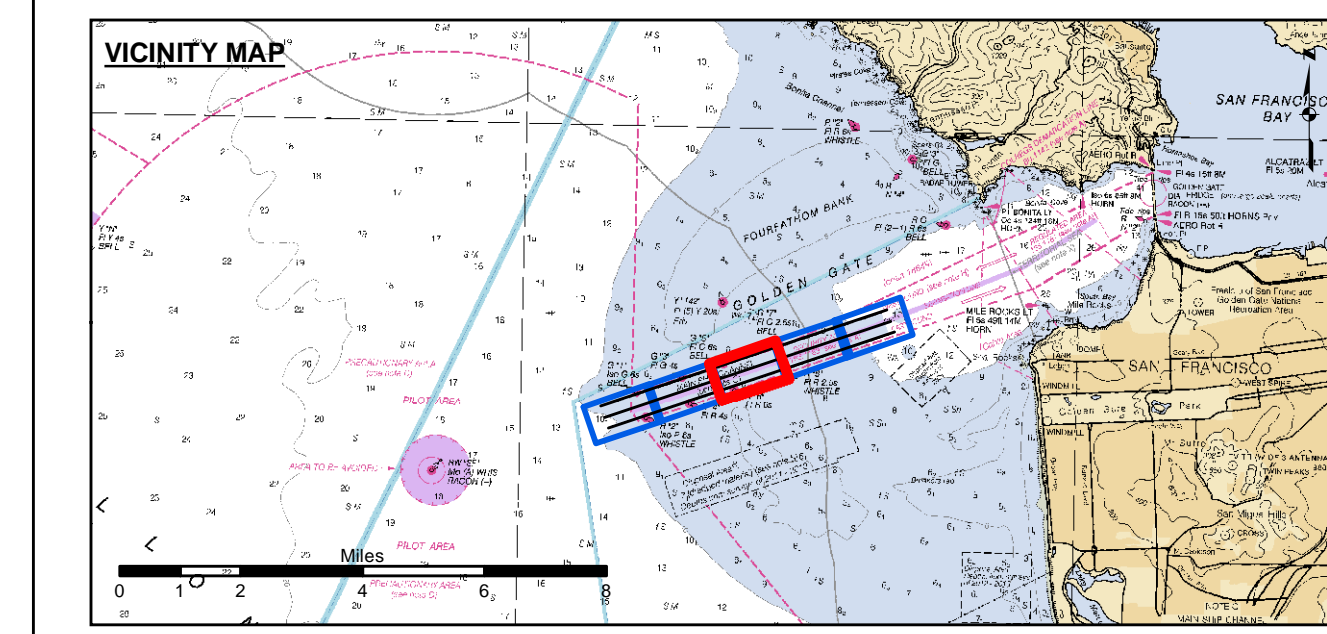
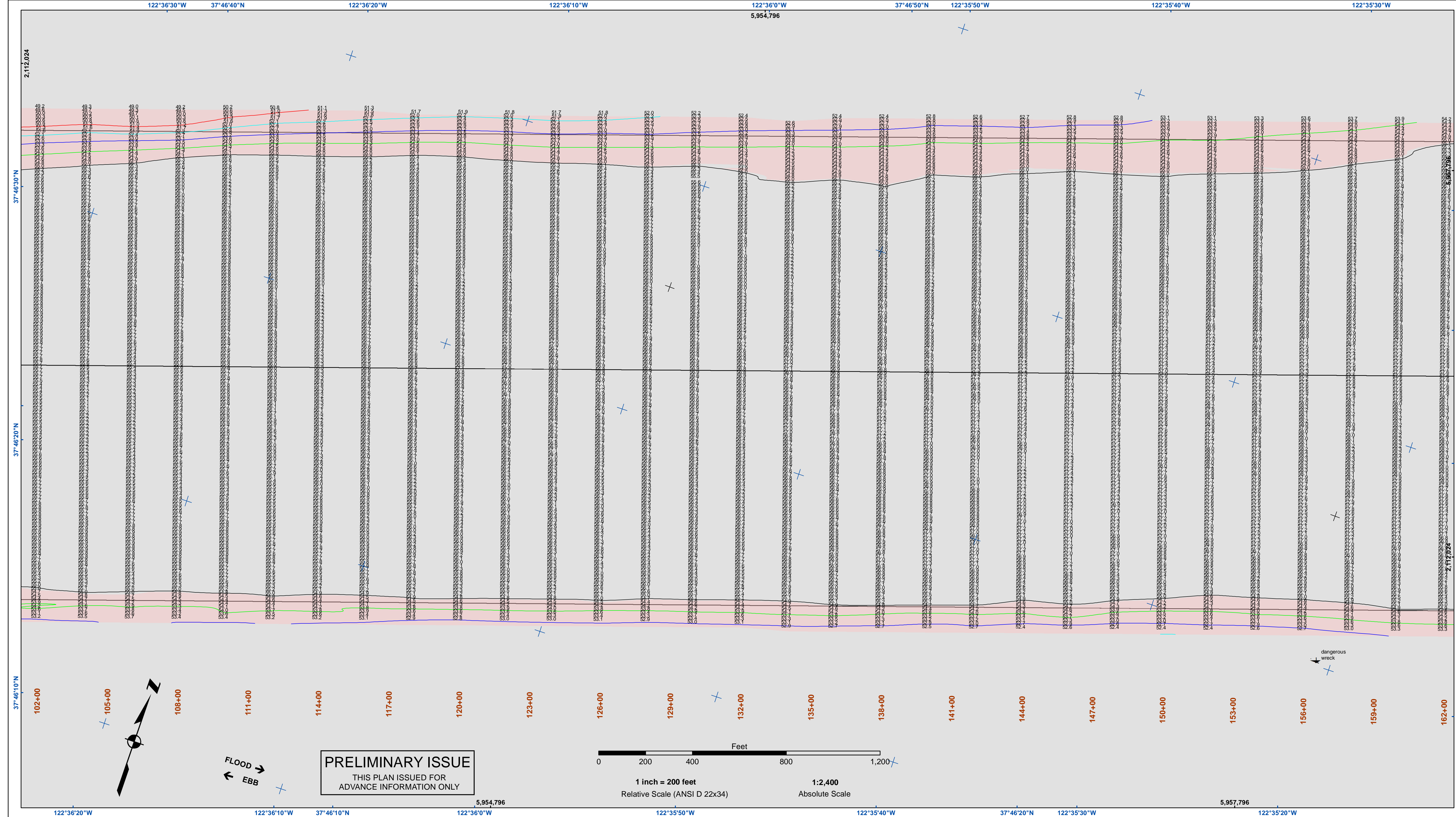
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HORIZONTAL CONTROL:
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Prepared Under the Direction of LT COLONEL C.E. CUNNINGHAM	Surveyed By:	Chart Date:
Subject: Hydro Survey Team Leader	Plotted By: PDT	Jan 27, 2021
Recommended by: Chief, Hydro Survey Section	Checked By: PDT	Designed by:
Approved: Chief, Construction Branch	Drawn by: PDT	Drawn by: PDT

SAN FRANCISCO BAY
CALIFORNIA
SAN FRANCISCO MAINSHIP CHANNEL
CONDITION SURVEY
20-21 JANUARY 2021

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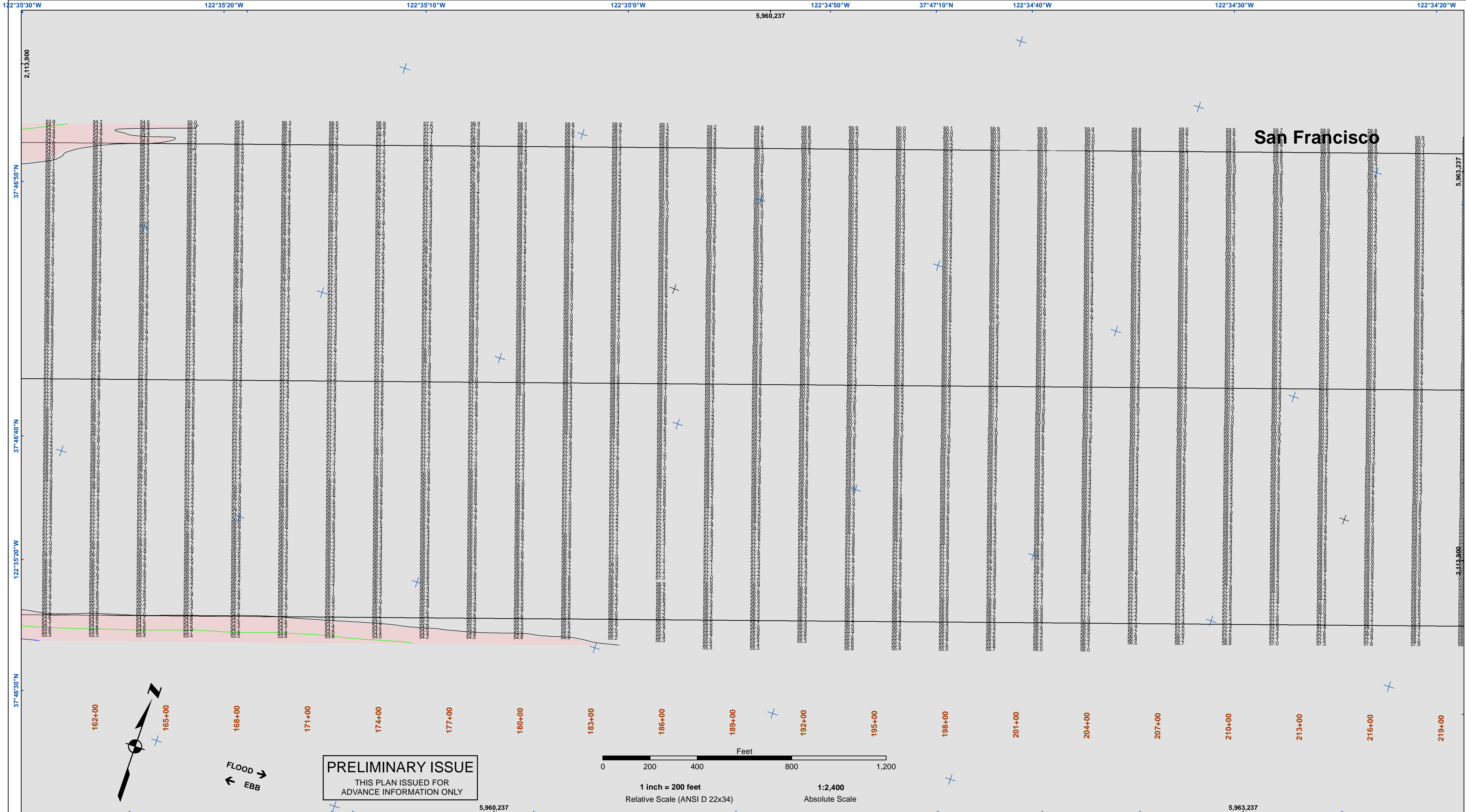
PREPARED UNDER THE DIRECTION OF JOHN D. CUNNINGHAM LT COLONEL, C.E. DISTRICT ENGINEER	Surveyed By:	Chart Date:
Submitted: Hydro Survey Team Leader	Plotted By:	Jan 27, 2021
Recommended: Chief, Hydro Survey Section	Checked By:	Designed by:
Approved: Chief, Construction Branch	PDT	PDT
	PDT	Drawn by:
		PDT

CALIFORNIA
SAN FRANCISCO BAY
SAN FRANCISCO MAINSHIP CHANNEL
CONDITION SURVEY
20-21 JANUARY 2021

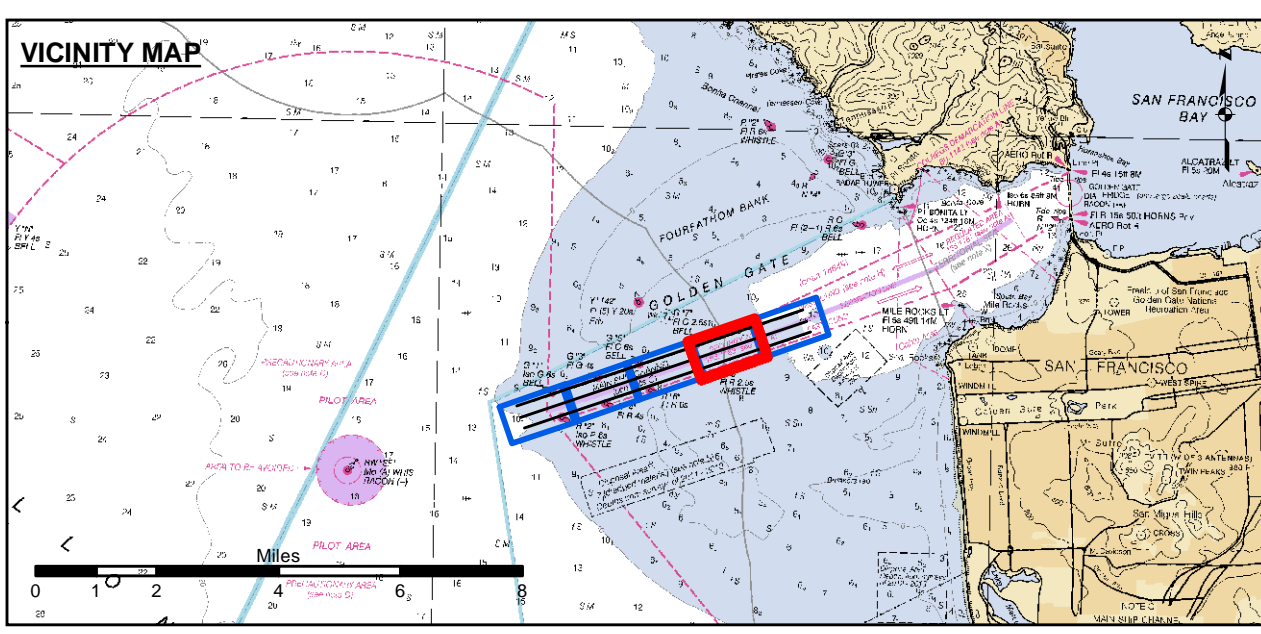
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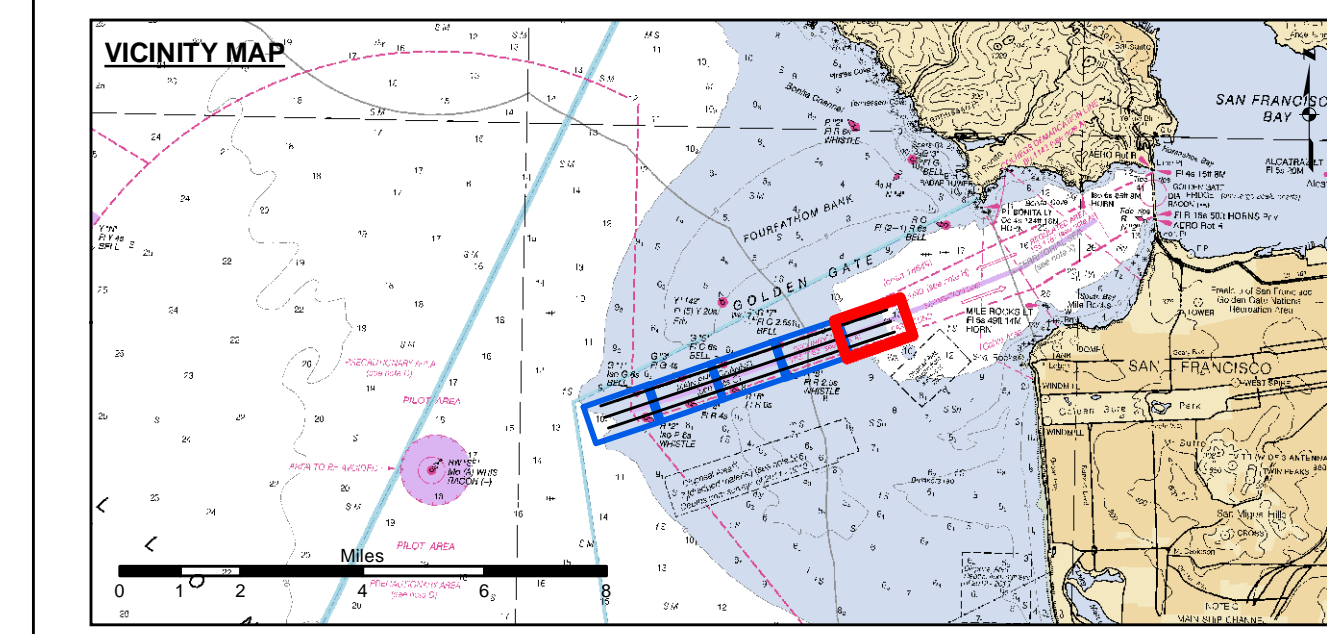
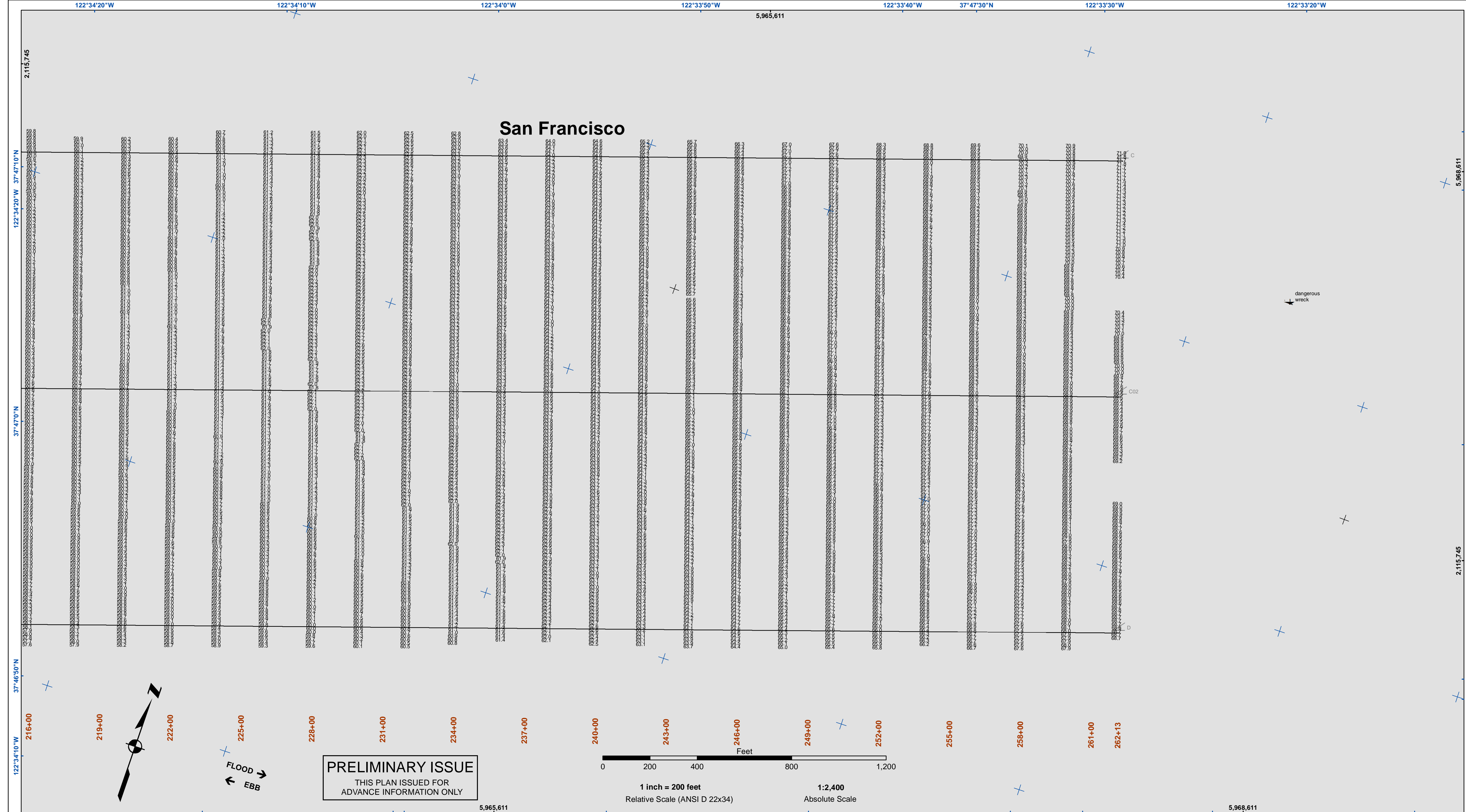
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CALIFORNIA
SAN FRANCISCO MAINSHIP CHANNEL
CONDITION SURVEY
20-21 JANUARY 2021

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- Federal Navigation Channel
- Shoaling Area
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