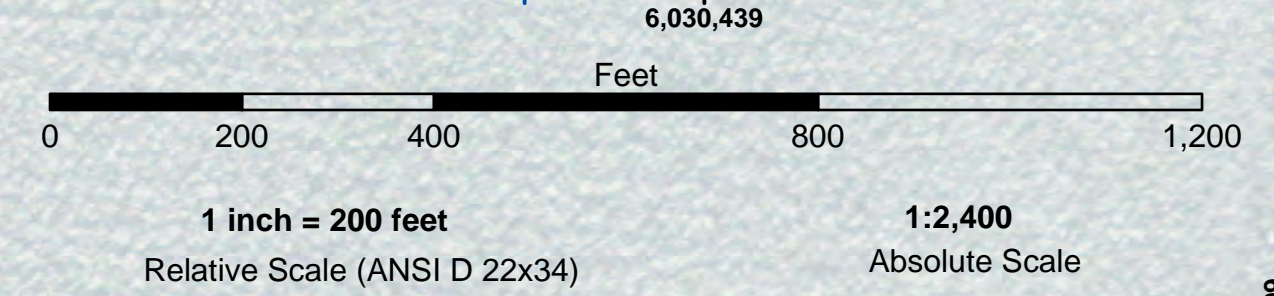


NAD 1983 CENTERLINE ANGLE POINTS		
∠ PT	X	Y
C1	6026179.8786	2110456.6847
C2	6036179.5786	2109609.6847
C3	6041408.1786	2109165.6847

NAD 1983 CHANNEL ANGLE POINTS		
∠ PT	X	Y
1	6026357.7786	2112557.2847
2	6029385.6786	2110686.9847
3	6038879.2786	2109882.6847
4	6040133.2786	2109936.7847
5	6040810.9886	2109821.1847
6	6041454.6986	2109766.6547
7	6041317.3786	2107991.8847
8	6040818.7786	2107851.7847
9	6039810.7786	2107726.3847
10	6039283.0786	2107421.5847
11	6038409.3786	2107473.7847
12	6037306.8786	2108179.3847
13	6036137.3786	2109111.4847
14	6029341.1786	2109687.1847
15	6026005.0786	2108394.1847



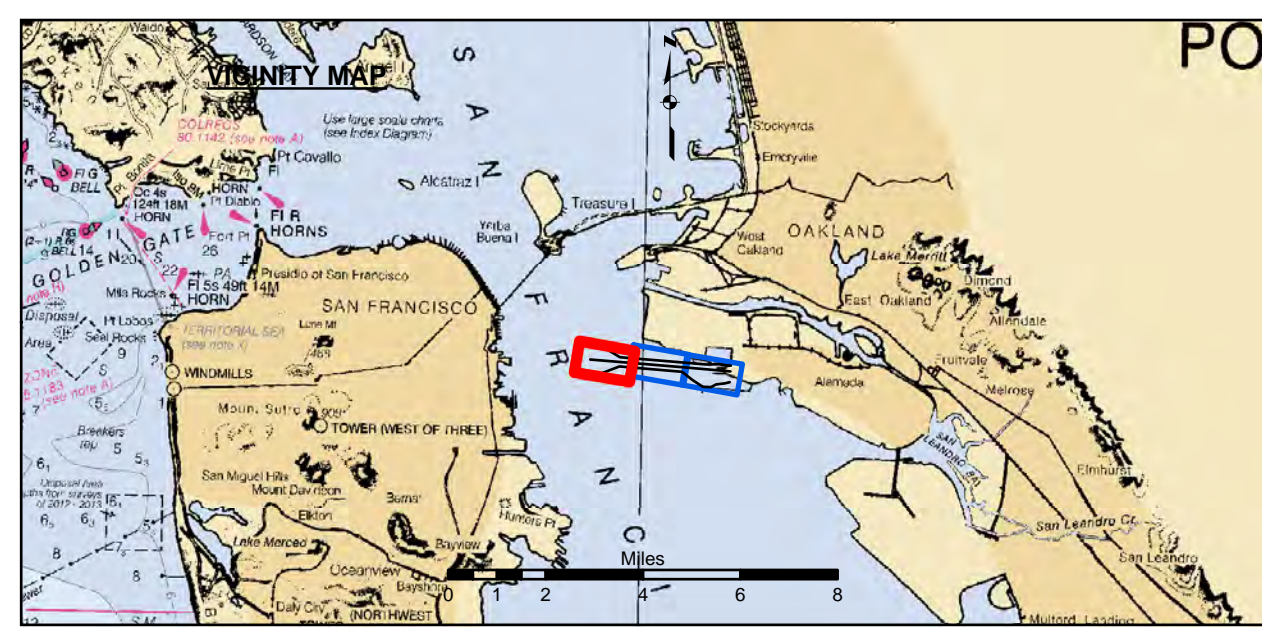
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 San Francisco District  
 1455 Market Street  
 San Francisco, CA 94103

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Prepared Under the Direction of:	Nov 13, 2017
Travis J. Rayfield	Designed by:
LT Colonel, C.E., District Engineer	PDT
Subject:	Plotted by:
Hydro Survey Team Leader	PDT
Recommended:	Checked by:
Chief, Hydro Survey Section	PDT
Approved:	Drawn by:
Chief, Construction Branch	PDT

CALIFORNIA  
**ALAMEDA NAVAL AIR STATION**  
 CONDITION SURVEY  
 07 NOVEMBER 2017

**Sheet**  
**Number**  
**1 of 3**



Federal Navigation Channel	Beacon, General	<b>Contour Lines</b>
Shoaling Area	Obstruction Point	-37
Placement Area	Navigation Buoy	-36
Anchorage Area	Navigation Buoy	-35
Wreck Area	Shoalest Sounding*	-34
Submerged Wreck		-33
Angle Point		

**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.  
 VERTICAL DATUM:  
 SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.  
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 \*SHOALEST SOUNDING PER QUARTER PER REACH

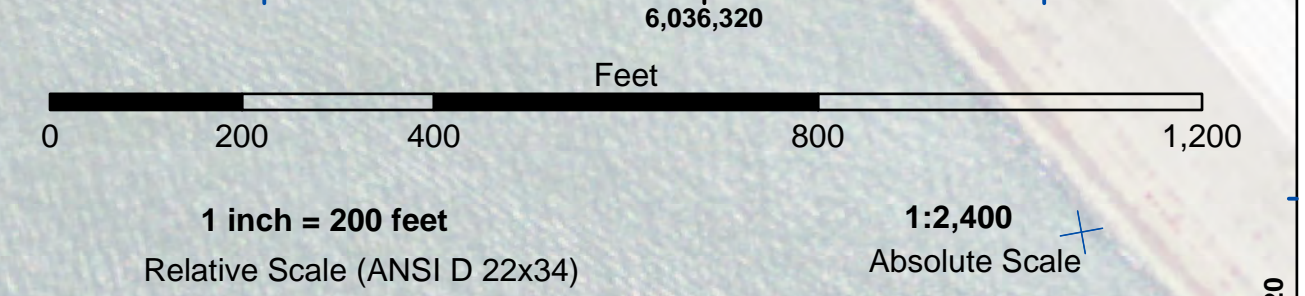
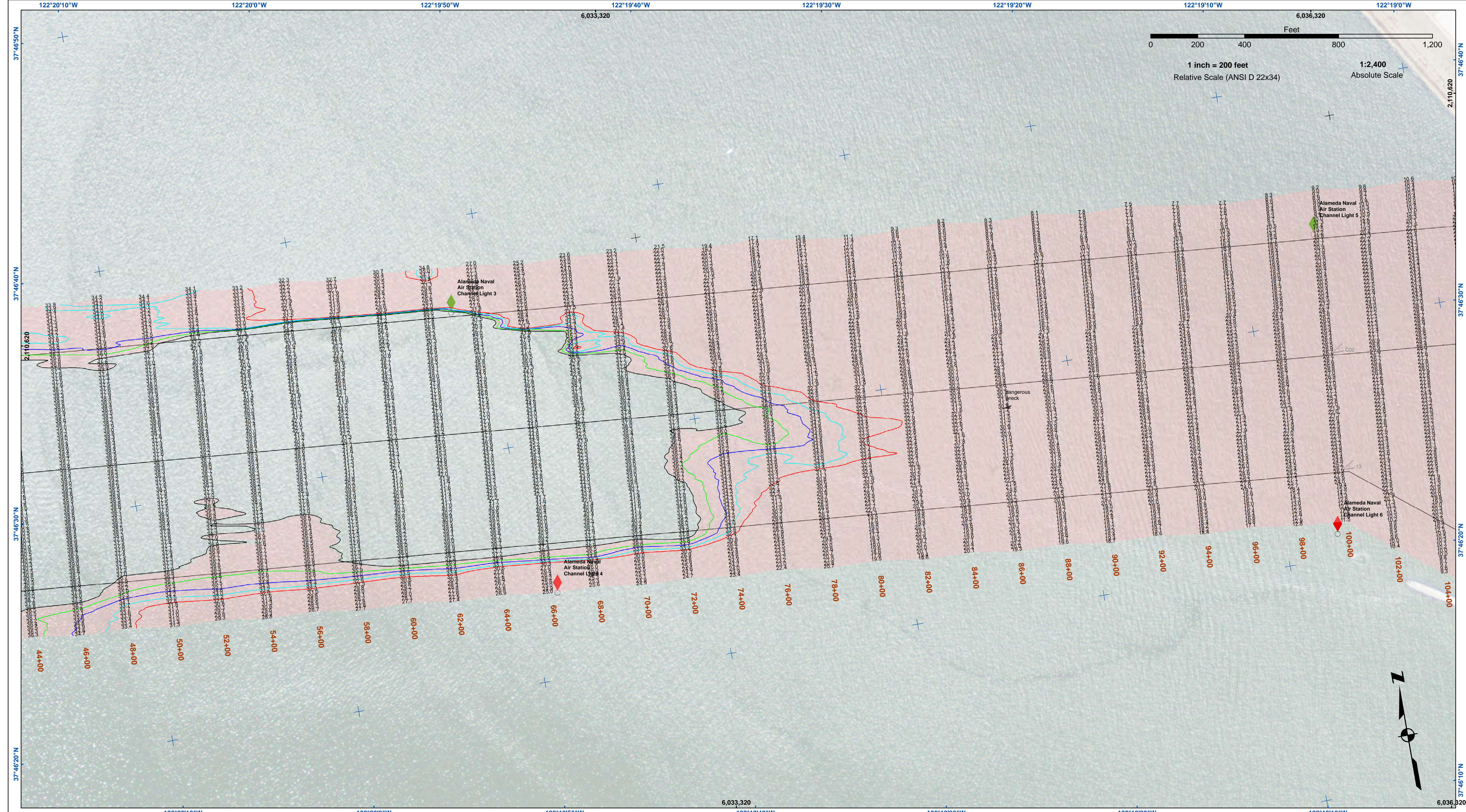
DRAWING NOT TO BE USED FOR NAVIGATION.  
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SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT.  
 SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.  
 THE PROJECT DEPTH IS 37 FT. AT MLLW.

VERTICAL CONTROL:  
 PRIMARY BENCHMARK: 941 4750 TIDAL 8  
 PID: HT0890  
 MLLW: 12.40 FT. (NAVDB88 + 0.23 FT.)  
 TIDAL EPOCH: 1983-2001

NOAA ONLINE TIDES @ 9414750 ALAMEDA, CA.  
 TIDE DATA LOCATED AT:  
[http://tidesandcurrents.noaa.gov/data\\_menu.shtml?stn=9414750](http://tidesandcurrents.noaa.gov/data_menu.shtml?stn=9414750) Alameda, CA?type=Tide Data  
 HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON.





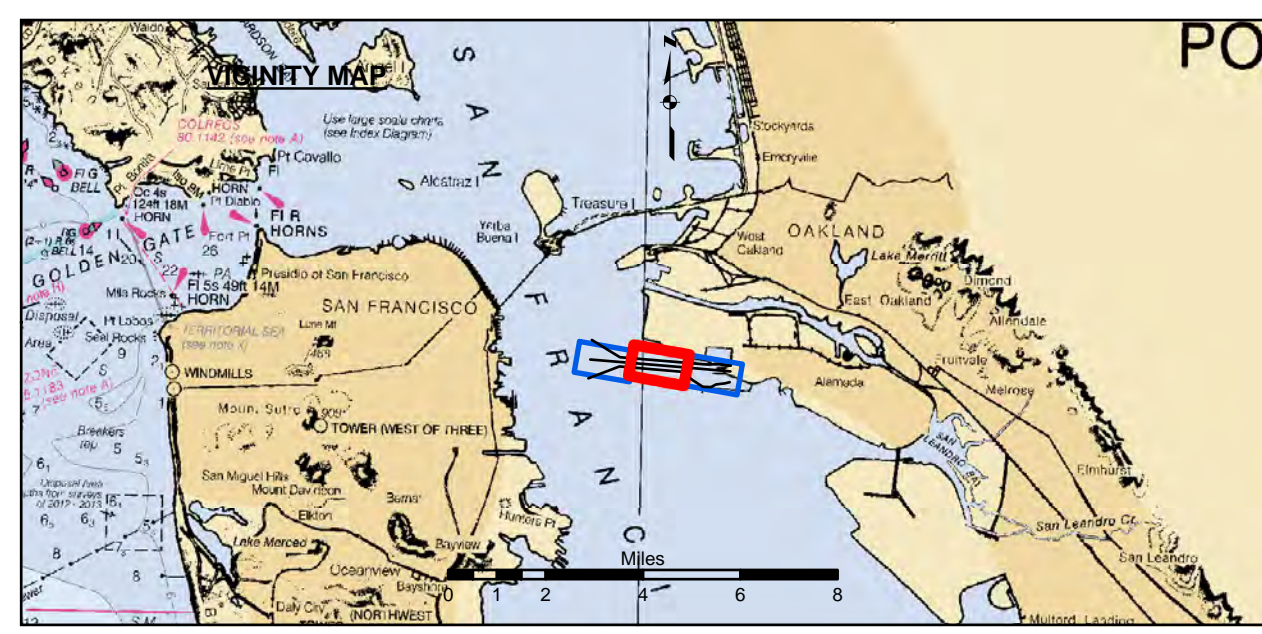
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Chart Date:	Nov 13, 2017
Surveyed By:	TRAVIS J. RAYFIELD
Plotted By:	PDT
Checked By:	PDT
Drawn by:	PDT

CALIFORNIA  
**ALAMEDA NAVAL AIR STATION**  
 CONDITION SURVEY  
 07 NOVEMBER 2017

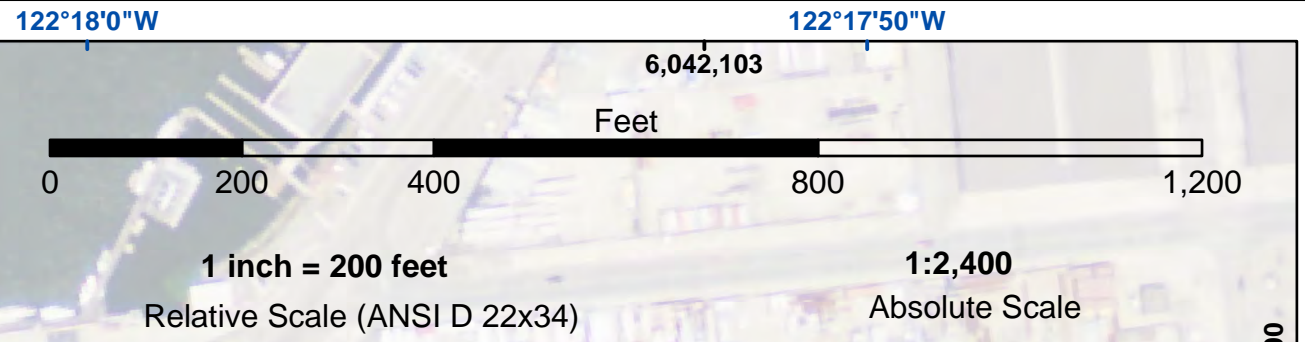
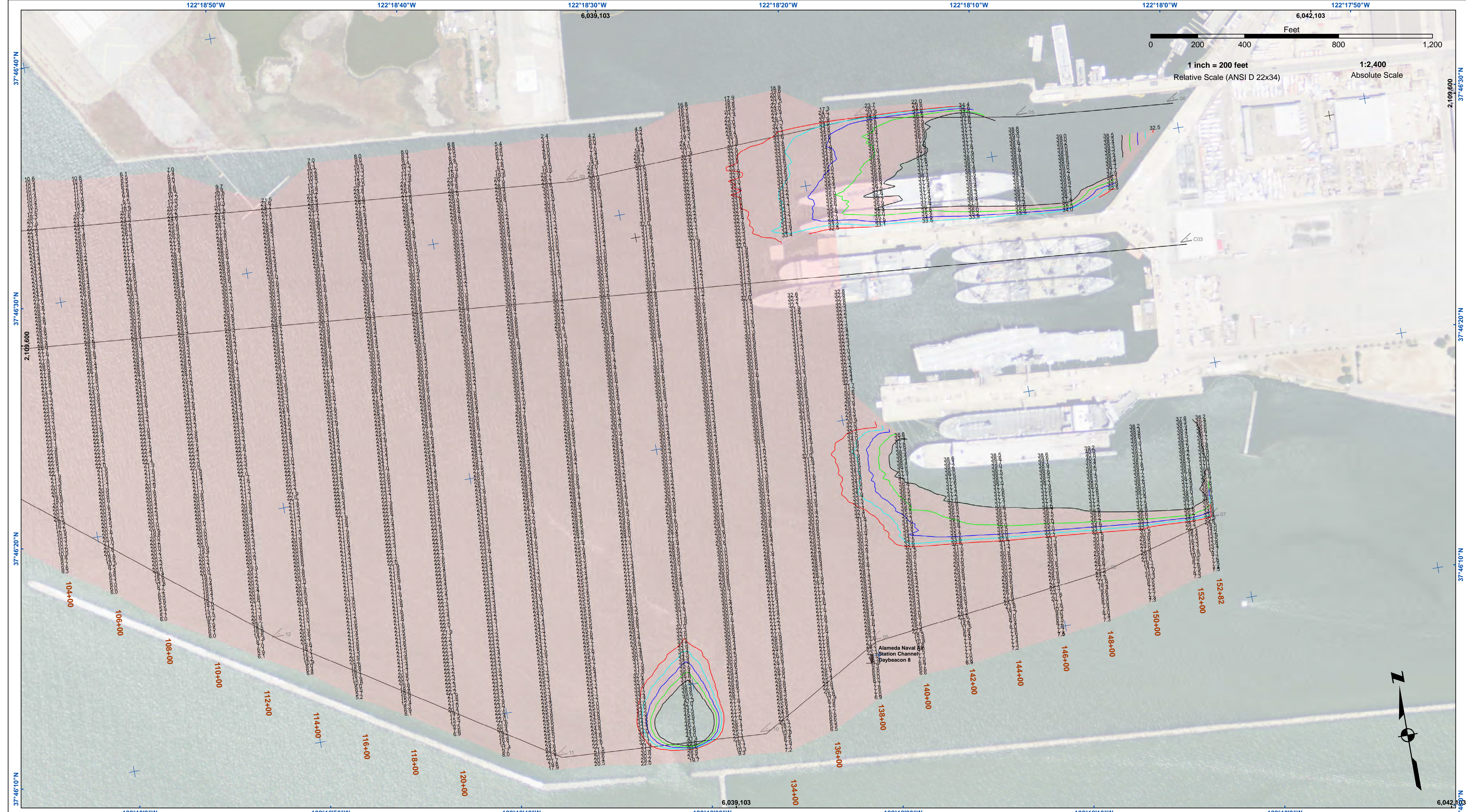
**Sheet Number**  
 2 of 3



- |                            |                    |                      |
|----------------------------|--------------------|----------------------|
| 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            |                    | -37                  |
| Angle Point                |                    | -36                  |
|                            |                    | -35                  |
|                            |                    | -34                  |
|                            |                    | -33                  |

**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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 HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON.



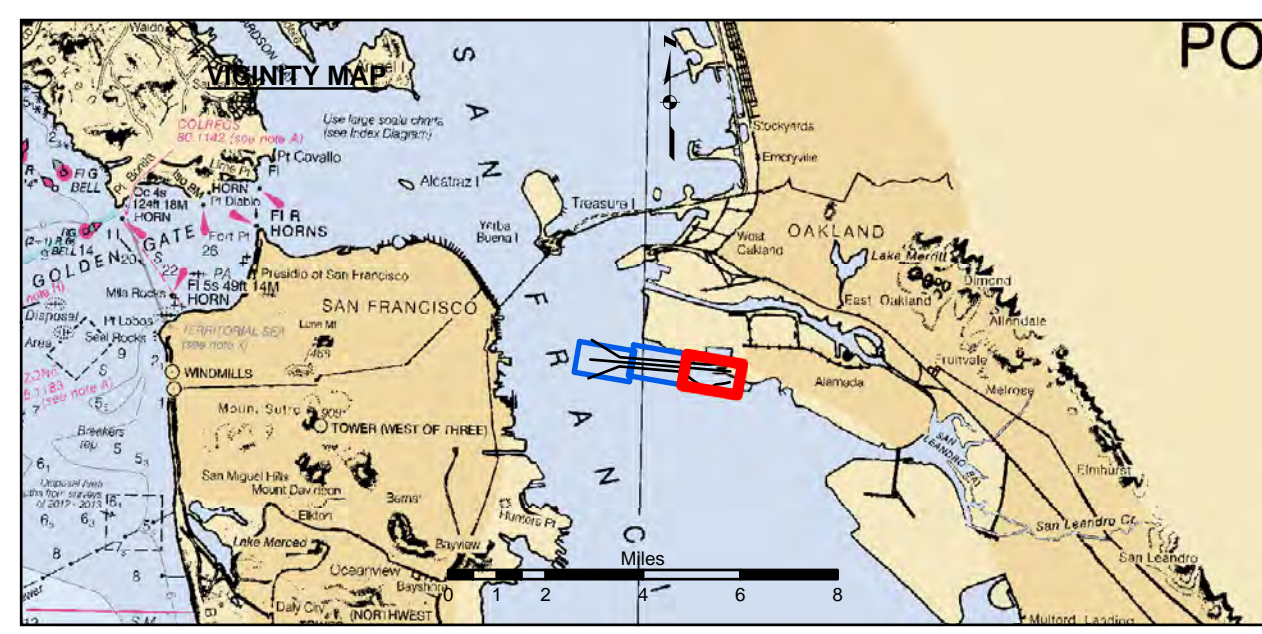


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Prepared Under the Direction of <b>TRAVIS J. RAYFIELD</b> LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Nov 13, 2017
Subject: Hydro Survey Team Leader	Designed by: PDT
Recommended by: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

CALIFORNIA  
**ALAMEDA NAVAL AIR STATION**  
 CONDITION SURVEY  
 07 NOVEMBER 2017



- |                            |                    |                      |
|----------------------------|--------------------|----------------------|
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**Sheet Reference Number**  
**3 of 3**