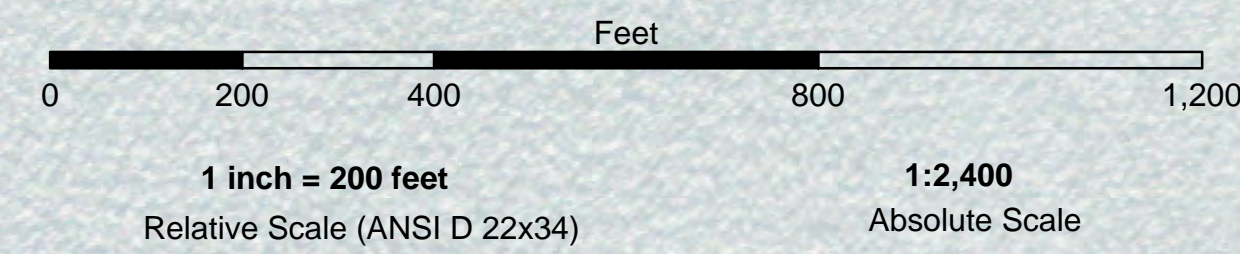


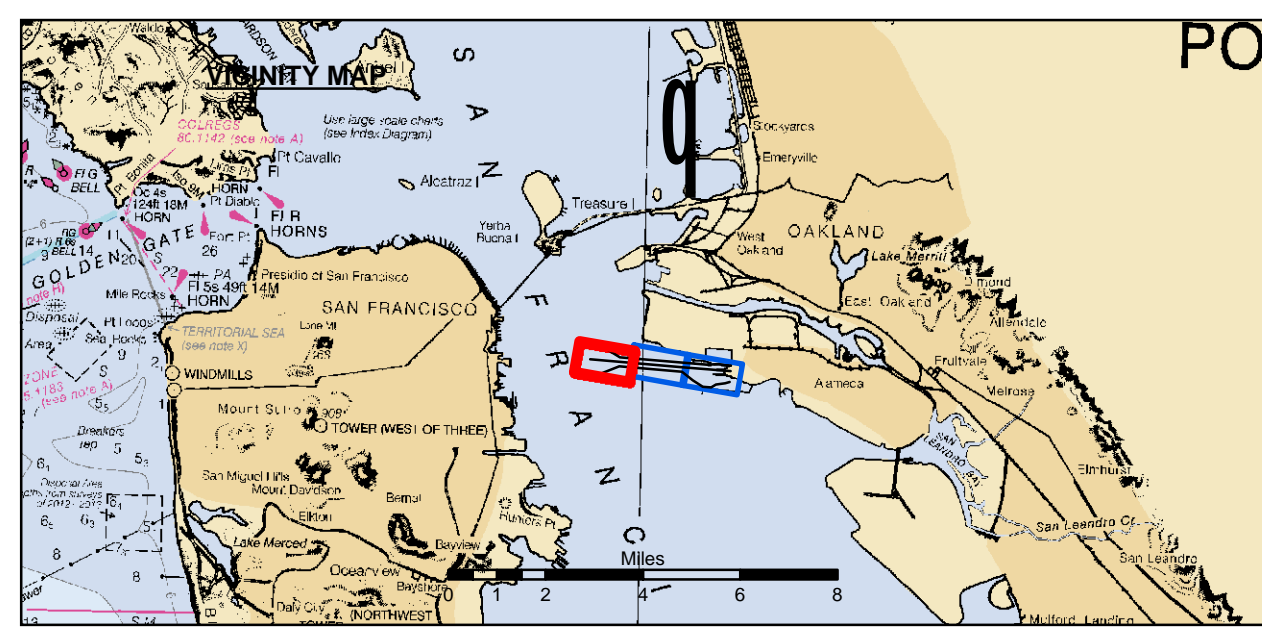
NAD 1983 CENTERLINE ANGLE POINTS		
∠ PT	X	Y
C1	6026179.8786	2110456.6847
C2	6036179.5786	2109609.6847
C3	6041408.1786	2109165.6847

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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Chart Date:	Nov 03, 2016
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	JOHN C. MORROW
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

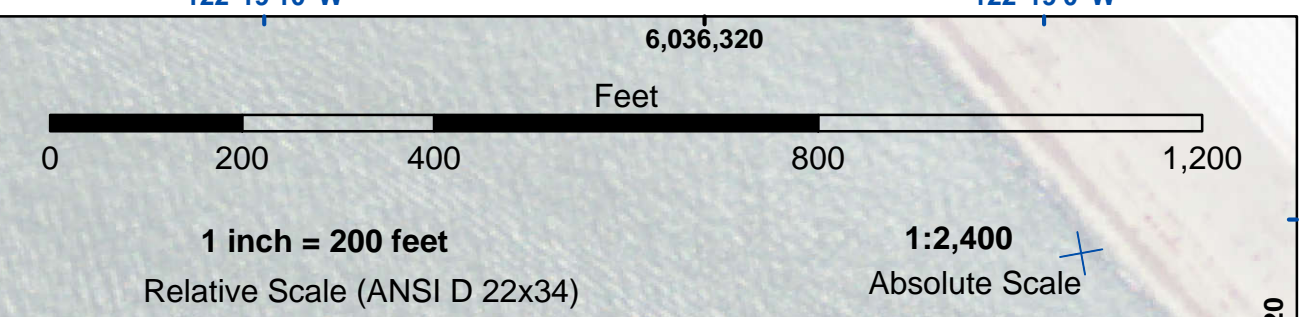
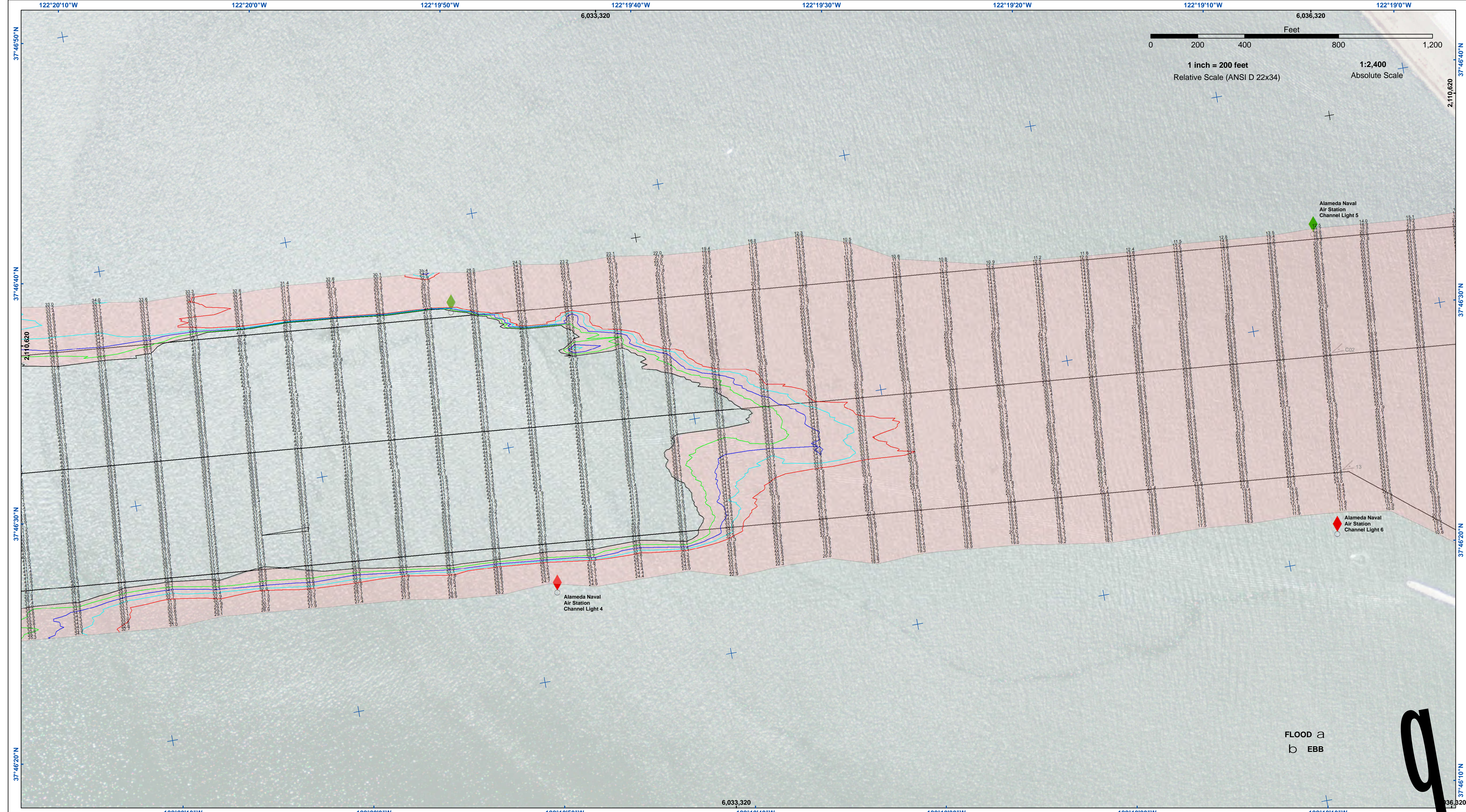


- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding*
- Contour Lines**
- 37
- 36
- 35
- 34
- 33

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.
 VERTICAL DATUM: SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER. BASE MAPS ARE USDA NAIP 2010.
 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 LOCATION 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 37 FT. AT MLLW.
 VERTICAL CONTROL: PRIMARY BENCHMARK: 941 4750 TIDAL 8. PID: HT0890. MLLW: 12.40 FT. (NAVD88 + 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 Alameda, CA?type=Tide Data
 HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON.

CALIFORNIA
ALAMEDA NAVAL AIR STATION
 CONDITION SURVEY
 27 OCTOBER & 1-2 NOVEMBER 2016

Sheet Reference Number
 1 of 3



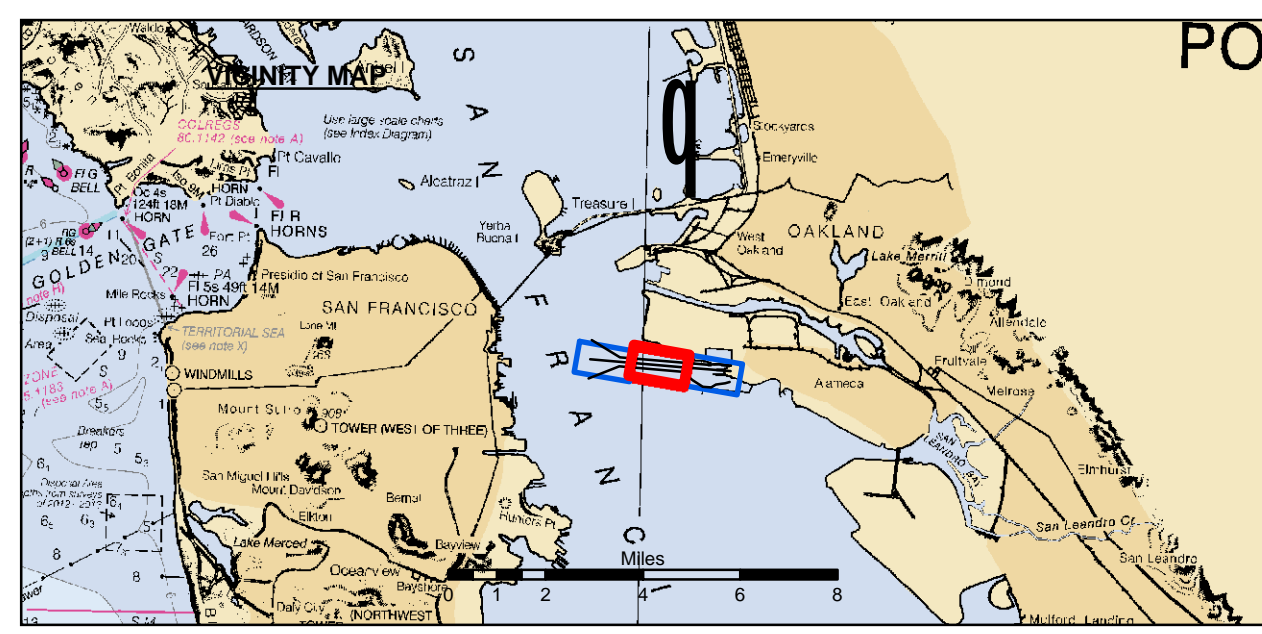
US Army Corps of Engineers
 San Francisco District
 1455 Market Street
 San Francisco, CA 94103

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Chart Date:	Nov 04, 2016
Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Approved:	Chief, Construction Branch
Surveyed By:	JOHN C. MORROW
Plotted By:	PDT
Checked By:	PDT

CALIFORNIA
ALAMEDA NAVAL AIR STATION
 CONDITION SURVEY
 27 OCTOBER & 1-2 NOVEMBER 2016

Sheet Reference Number
 2 of 3



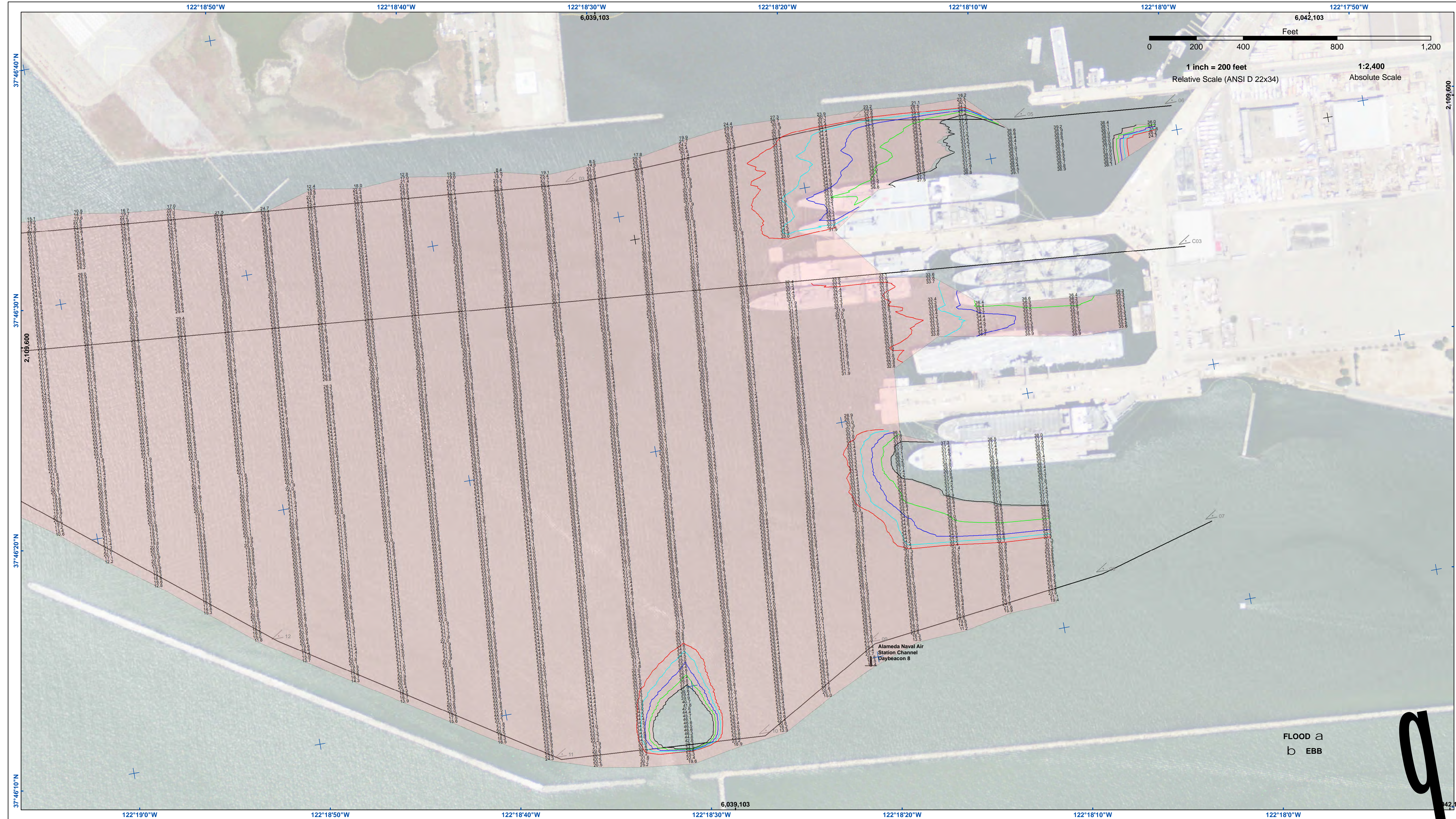
- | | | |
|----------------------------|--------------------|----------------------|
| Federal Navigation Channel | Beacon, General | Contour Lines |
| Shoaling Area | Obstruction Point | -37 |
| Placement Area | Navigation Buoy | -36 |
| Anchorage Area | Navigation Buoy | -35 |
| Wreck Area | Shoalest 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.
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 SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER. BASE MAPS ARE USDA NAIP 2010.
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED TO REPRESENT THE GENERAL CONDITION EXISTING AT THAT TIME.
 *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 LOCATION REPRESENT THE POSITION OF THE SINKER ONLY.
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 MLLW: 12.40 FT. (NAVD88 + 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 Alameda, CA?type=Tide Data
 HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON.

FLOOD a
EBB b

9



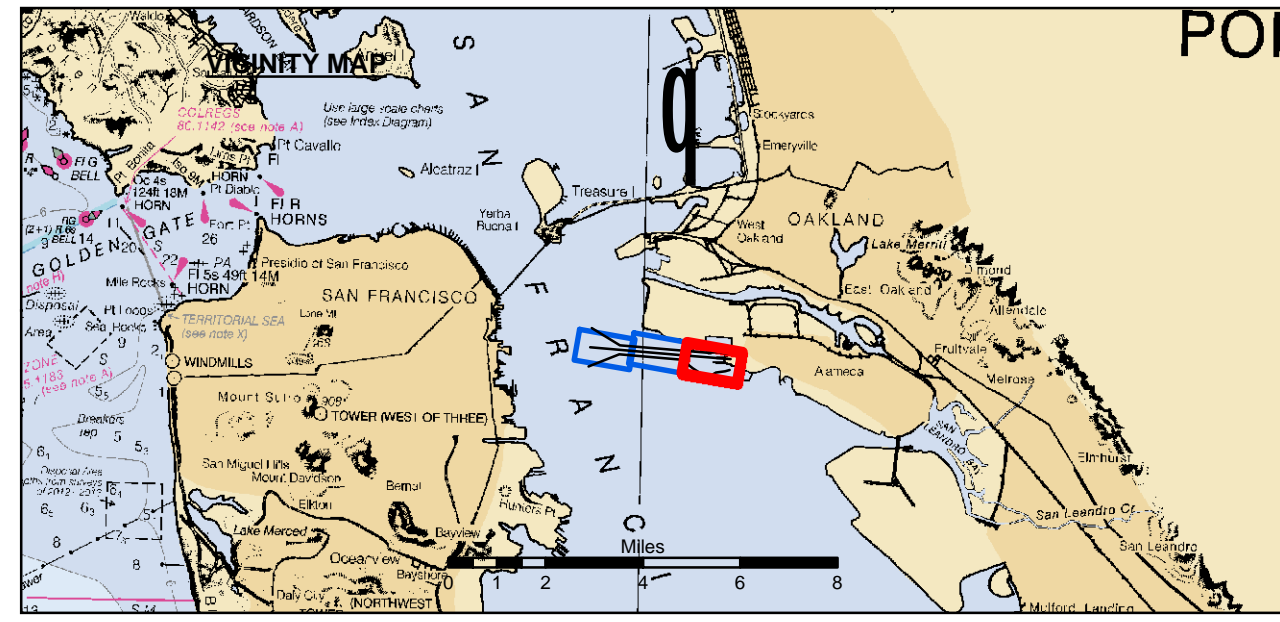
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Prepared Under the Direction of JOHN C. MORROW LT. COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Nov 03, 2016
Subject: Hydro Survey, Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Checked by: PDT
Approved: Chief, Construction Branch	Drawn by: PDT

CALIFORNIA
ALAMEDA NAVAL AIR STATION
 CONDITION SURVEY
 27 OCTOBER & 1-2 NOVEMBER 2016

Sheet Reference Number
 3 of 3



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

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