

PRELIMINARY ISSUE
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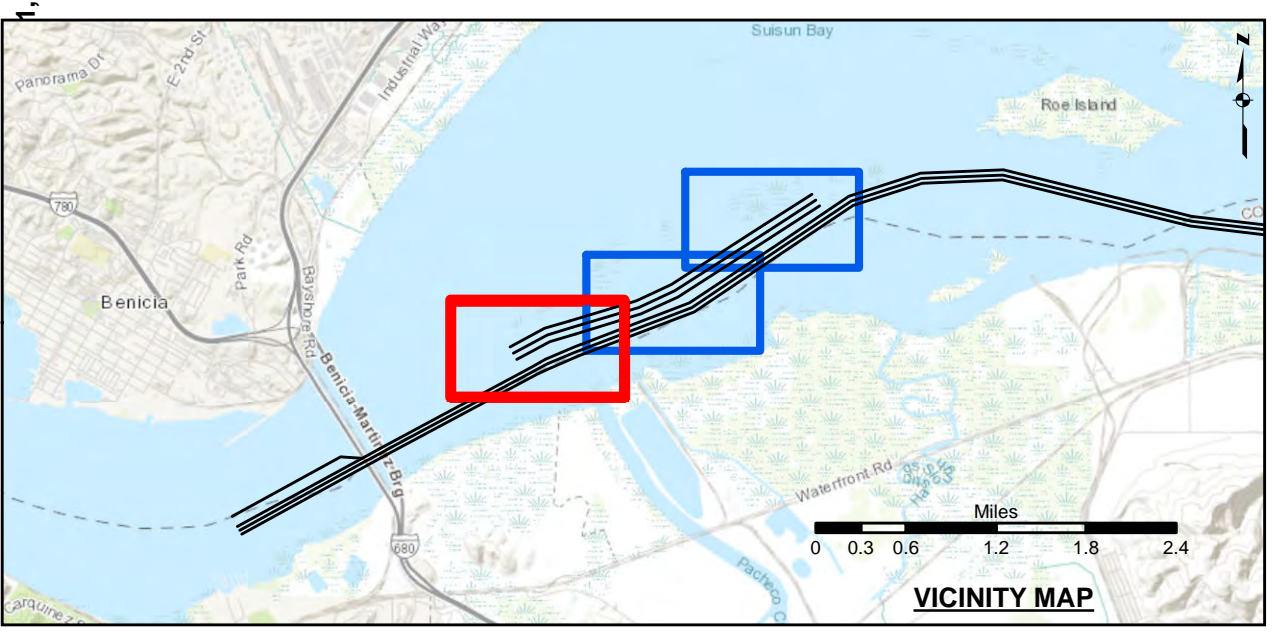


US Army Corps of Engineers
San Francisco District
450 Golden Gate Ave
San Francisco, CA 94102

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Chart Date:	May 02, 2019
Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
DISPOSAL SITE - SF-16
CONDITION SURVEY
26 APRIL 2019

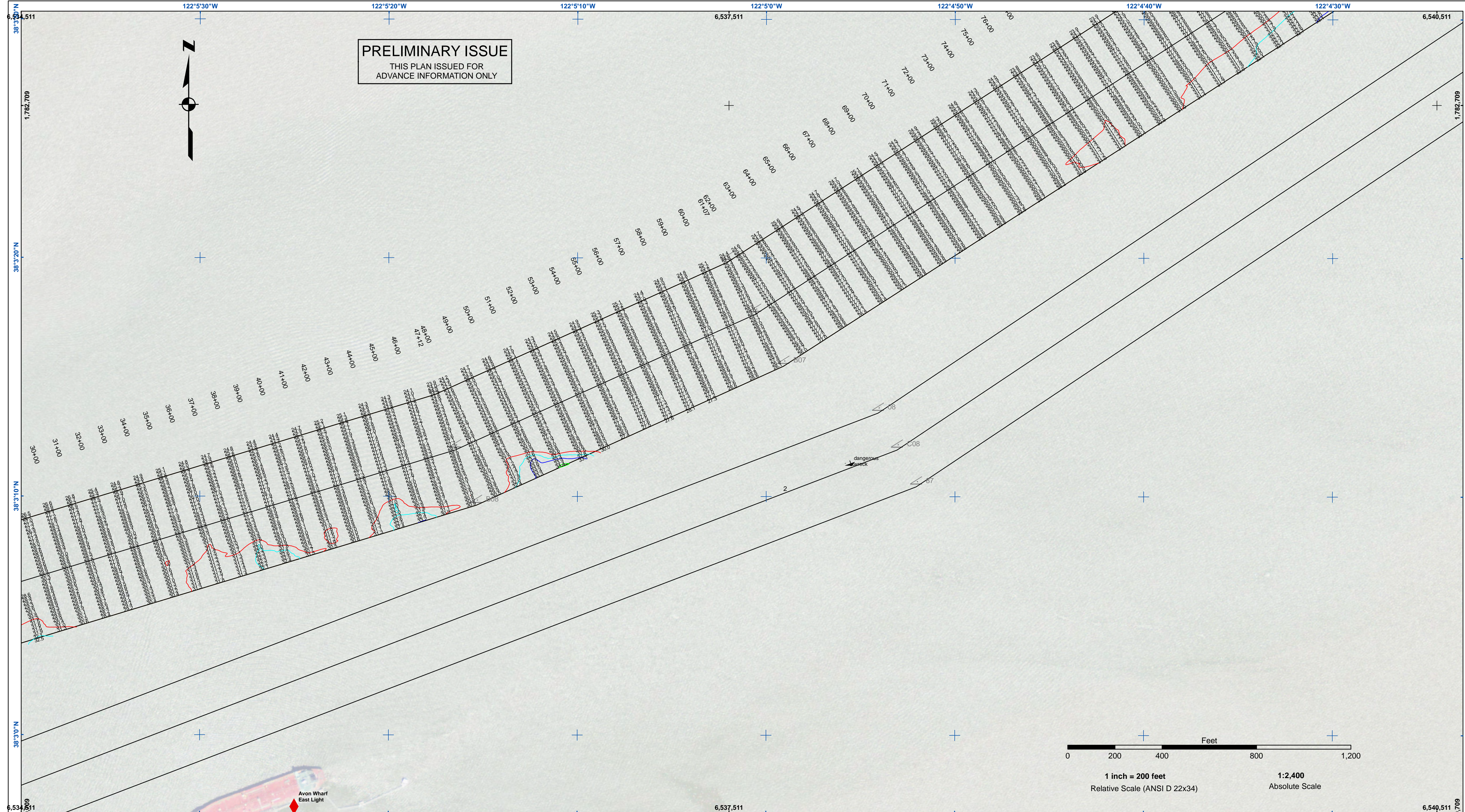


- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding*
- Contours**
- 35
- 34
- 33
- 32
- 31

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.
VERTICAL DATUM:
SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.
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.
PLANE GRID, BEARING AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE II NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY NATIONAL OCEAN SURVEY. BASE MAPS ARE USDA NAIP 2010.
*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 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
1 of 3



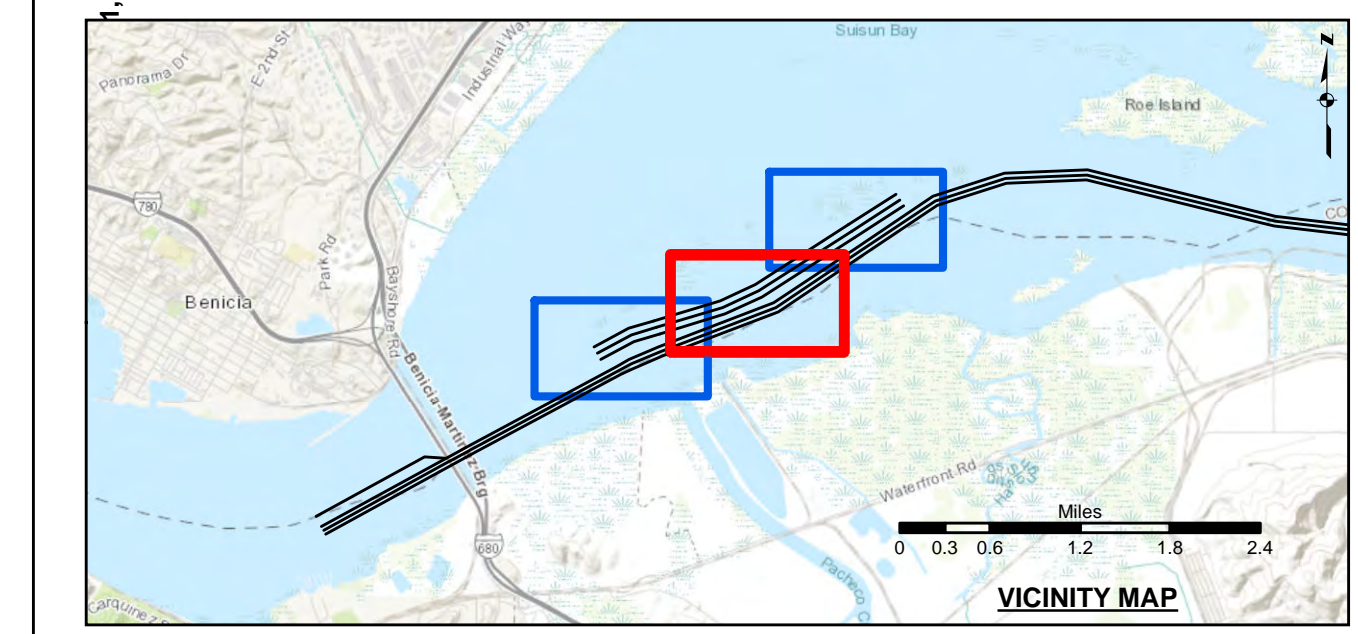
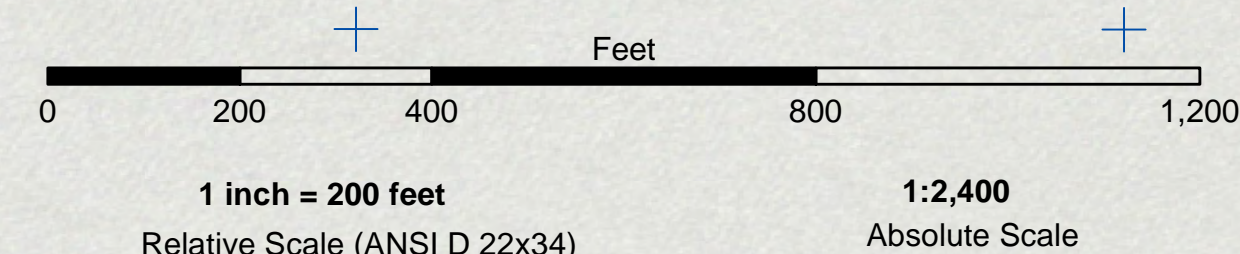
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Prepared Under the Direction of:	Chart Date:
LT COLONEL C.E. DISTRICT ENGINEER	May 02, 2019
Plotted By:	Designed by:
PDT	PDT
Checked By:	Drawn by:
PDT	PDT



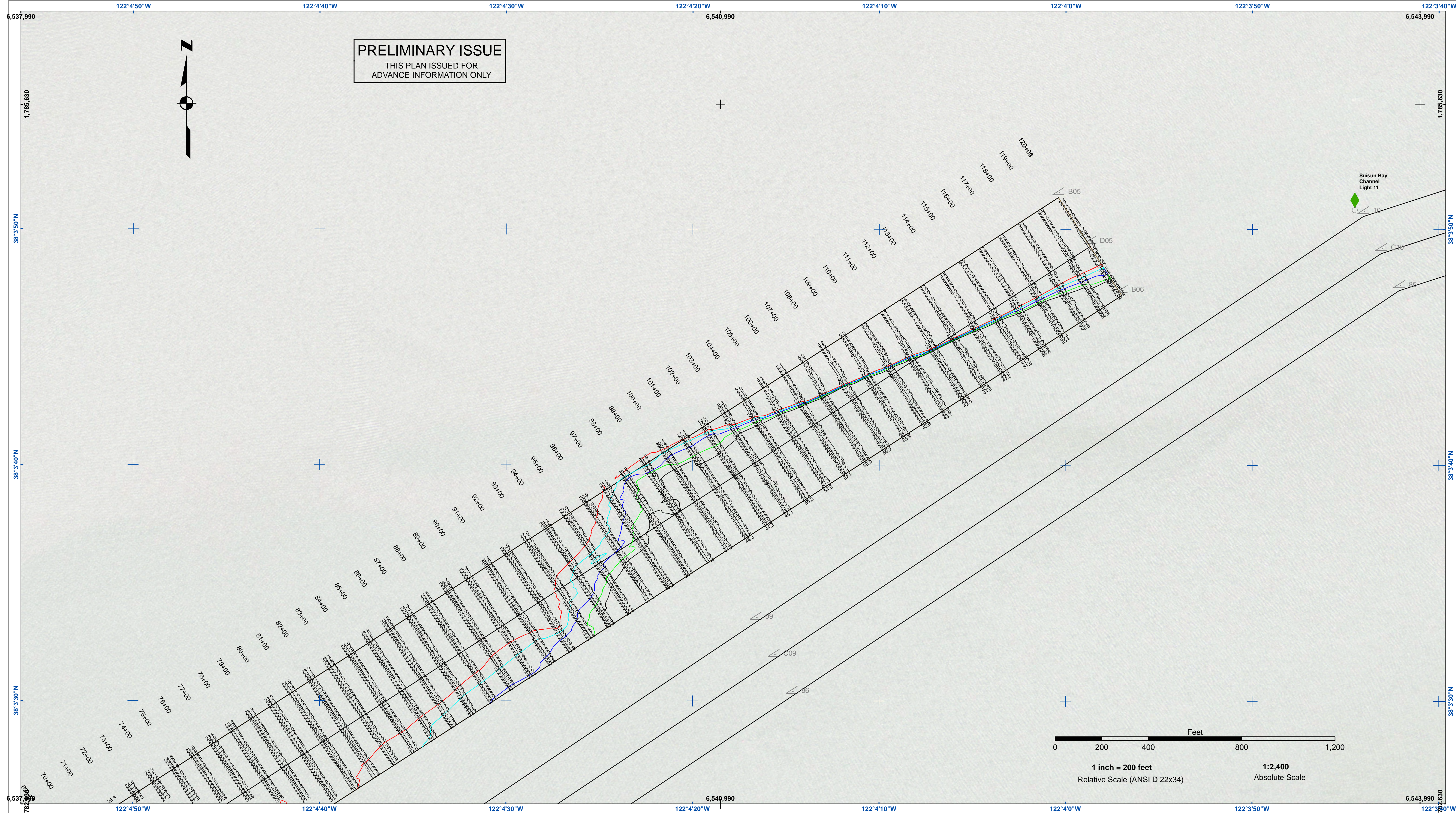
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|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
| Shoaling Area | Obstruction Point | -35 |
| Placement Area | Navigation Buoy | -34 |
| Anchorage Area | Navigation Buoy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

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CONTRA COSTA COUNTY
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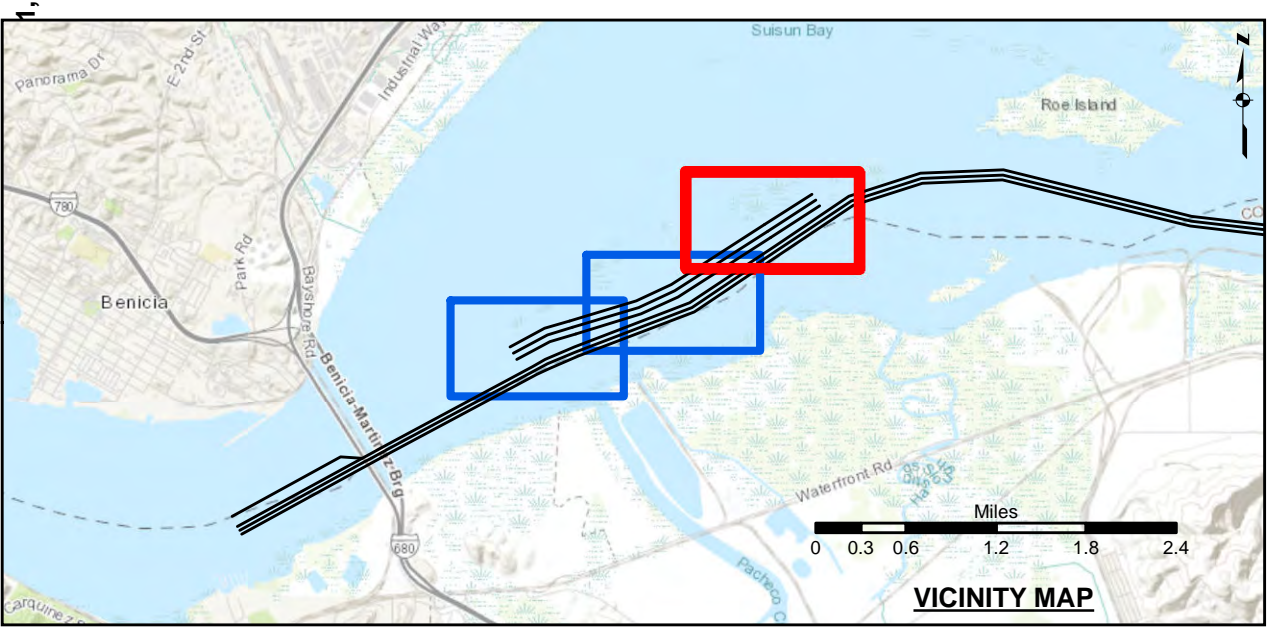
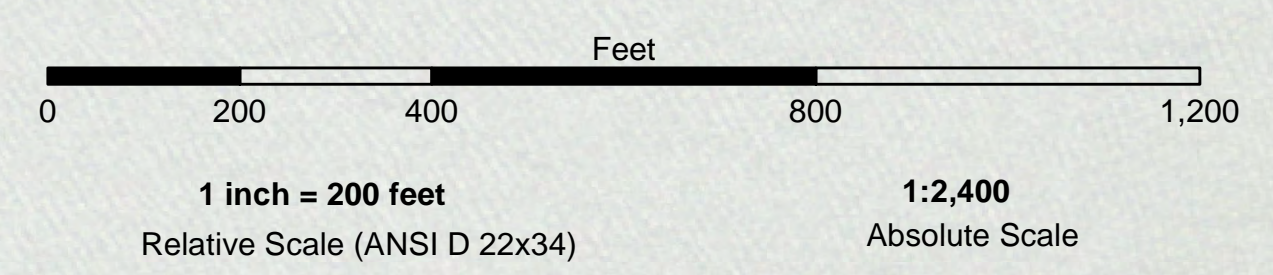
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Chart Date:	May 02, 2019
Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Approved:	Chief, Construction Branch
Surveyed By:	Travis J. Rayfield
Plotted By:	PDT
Recommended:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch



Federal Navigation Channel	Beacon, General	Contours
Shoaling Area	Obstruction Point	-34
Placement Area	Navigation Buoy	-33
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