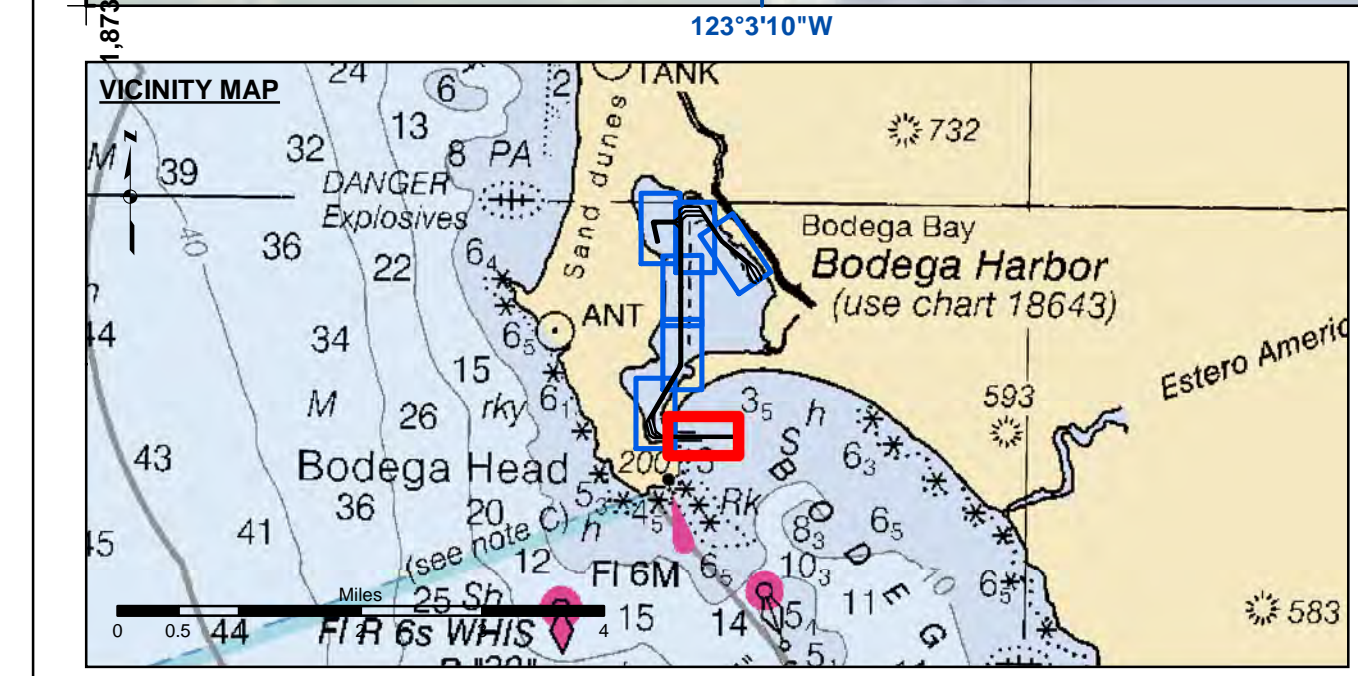
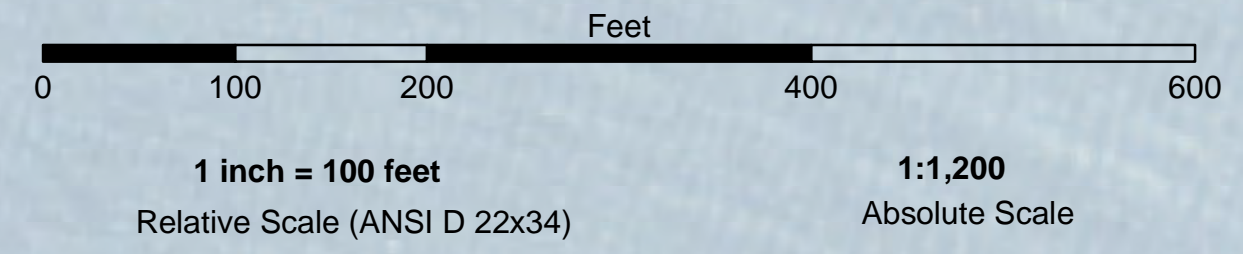


NAD 83 CHANNEL ANGLE POINTS		
Δ PT	X	Y
1	6262013.56	1874718.23
2	6258560.66	1874718.23
3	6258402.46	1874840.43
4	6258258.06	1875392.73
5	6259660.46	1877792.03
6	6259710.96	1877978.33
7	6259710.96	1884605.43
8	6259910.96	1884755.43
9	6260578.56	1884755.43
10	6261582.56	1883294.43
11	6263009.76	1882104.53
12	6263256.76	1881692.93
13	6263229.26	1881583.13
14	6263023.46	1881459.73
15	6262913.76	1881487.13
16	6262666.76	1881898.73
17	6262623.46	1882296.43
18	6261507.96	1883226.43
19	6260732.16	1884355.43
20	6260010.96	1884355.43
21	6259810.96	1884205.43
22	6259810.96	1877851.23
23	6258508.16	1875622.33
24	6258666.66	1875015.23
25	6258921.96	1874818.23
26	6262013.56	1874818.23

NAD 83 CENTERLINE ANGLE POINTS		
Δ PT	X	Y
C1	6262013.56	1874768.23
C2	6258741.36	1874772.73
C3	6258534.66	1874927.83
C4	6258383.16	1875507.53
C5	6259760.96	1877864.73
C6	6259760.96	1884405.43
C7	6259960.96	1884555.43
C8	6260655.36	1884555.43
C9	6261545.26	1883260.43
C10	6262655.46	1882334.83
C11	6263126.36	1881521.43



Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	-12
Placement Area	Navigation Buoy	-11
Anchorage Area	Navigation Buoy	-10
Wreck Area	Shoalest Sounding*	-9
Submerged Wreck		-8
Angle Point		

NOTES:  
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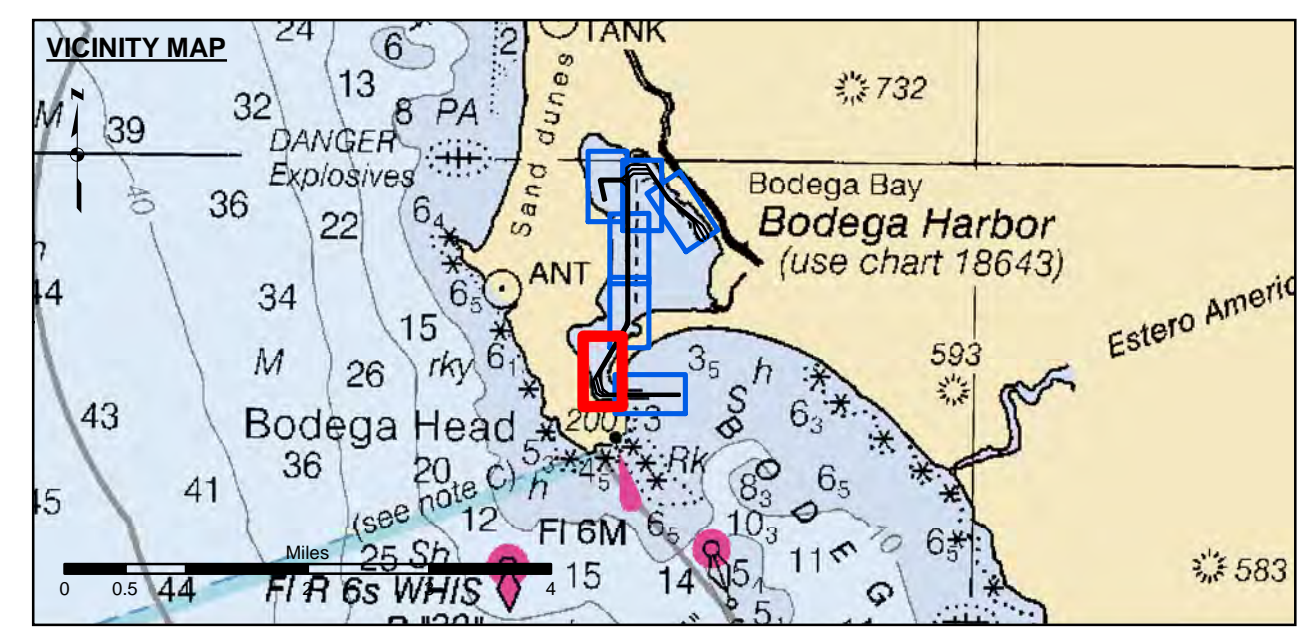
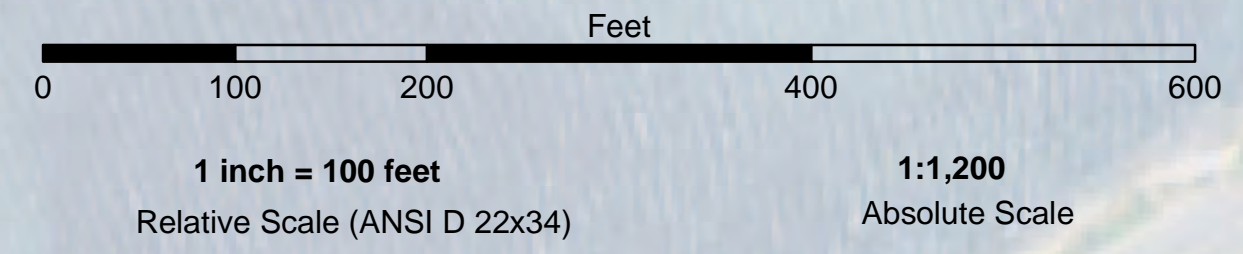
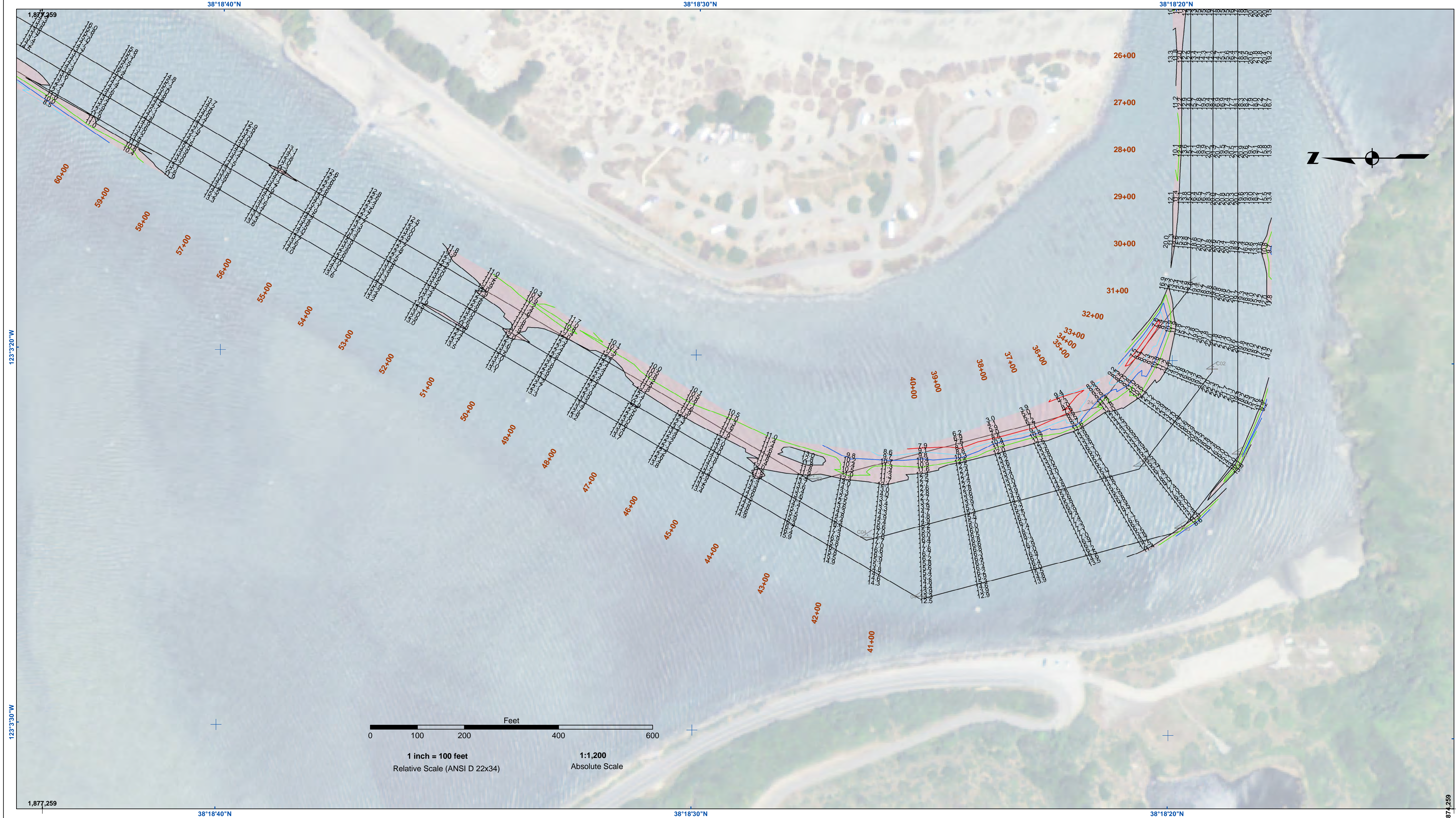
PREPARED UNDER THE DIRECTION OF <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E. DISTRICT ENGINEER	Chart Date: Nov 14, 2019
Subject: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	

CALIFORNIA  
**BODEGA BAY CHANNEL**  
 CONDITION SURVEY  
 06 NOVEMBER 2019

**Sheet Reference Number**  
 1 of 7

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

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Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	
Anchorage Area	Navigation Buoy	
Wreck Area	Shoalest Sounding*	
Submerged Wreck		-12
Angle Point		-11
		-10
		-9
		-8

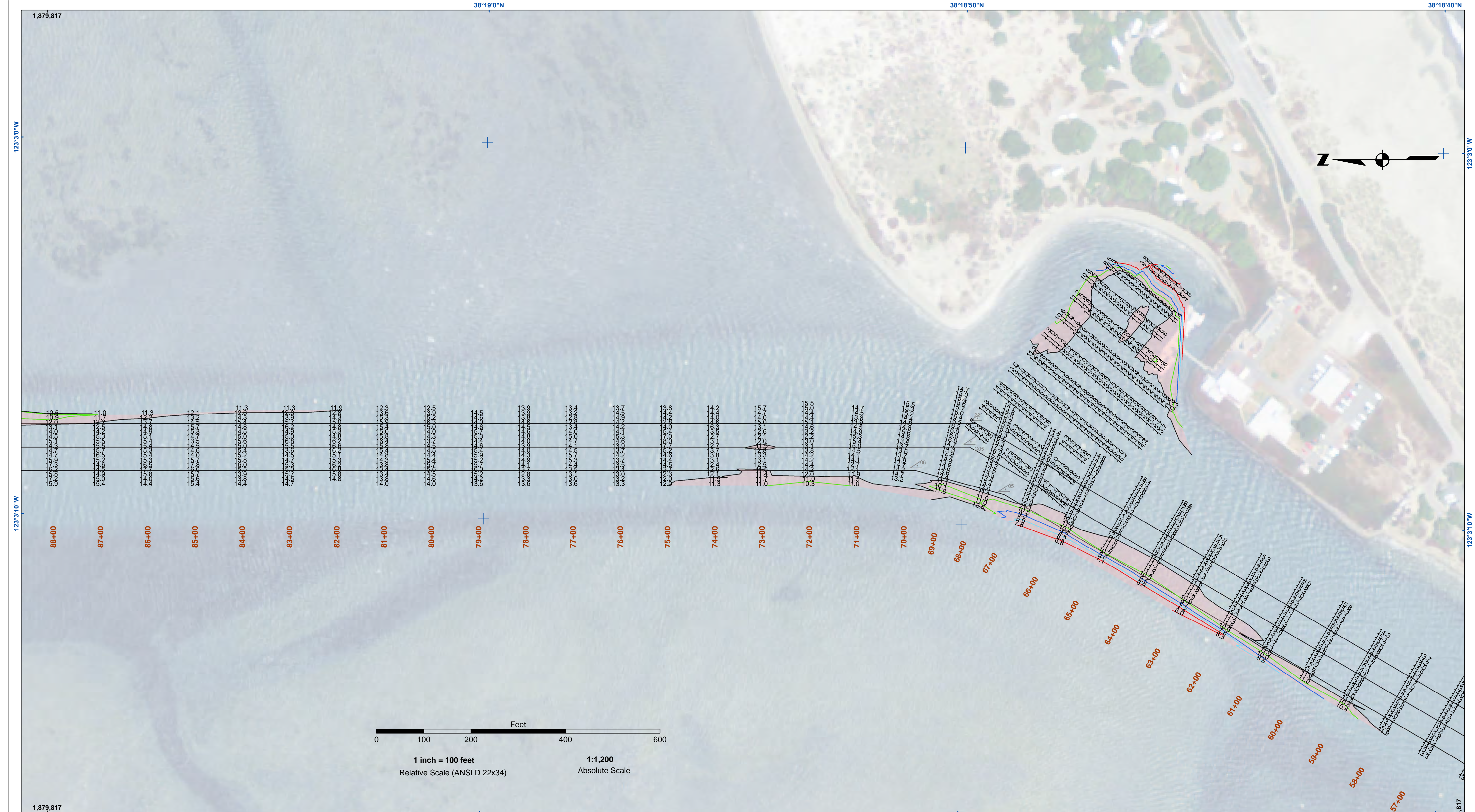
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PREPARED UNDER THE DIRECTION OF <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E. DISTRICT ENGINEER	Chart Date: Nov 14, 2019
Subject: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT

SONOMA COUNTY  
 CALIFORNIA  
**BODEGA BAY CHANNEL**  
 CONDITION SURVEY  
 06 NOVEMBER 2019

**Sheet Reference Number**  
 2 of 7



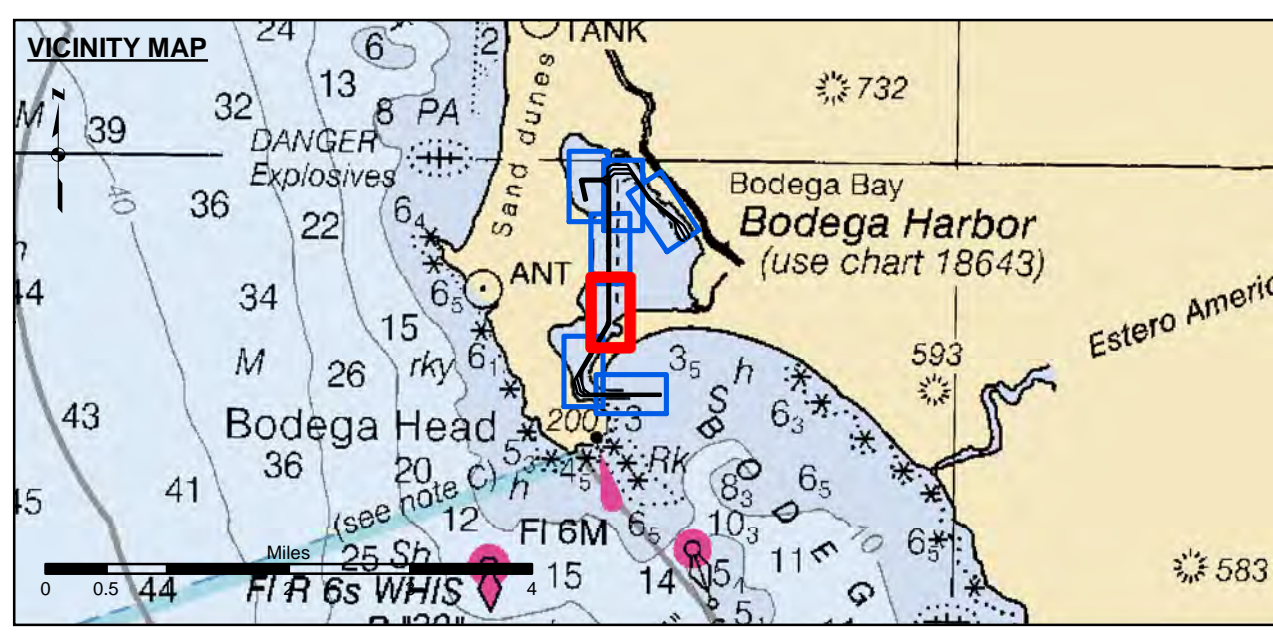
**US Army Corps of Engineers**  
 San Francisco District  
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 San Francisco, CA 94102

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Prepared Under the Direction of <b>JOHN D. CUNNINGHAM</b> LT COLONEL, C.E. DISTRICT ENGINEER	Surveyed By: PDT	Chart Date: Nov 14, 2019
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  
**BODEGA BAY CHANNEL**  
 CONDITION SURVEY  
 06 NOVEMBER 2019

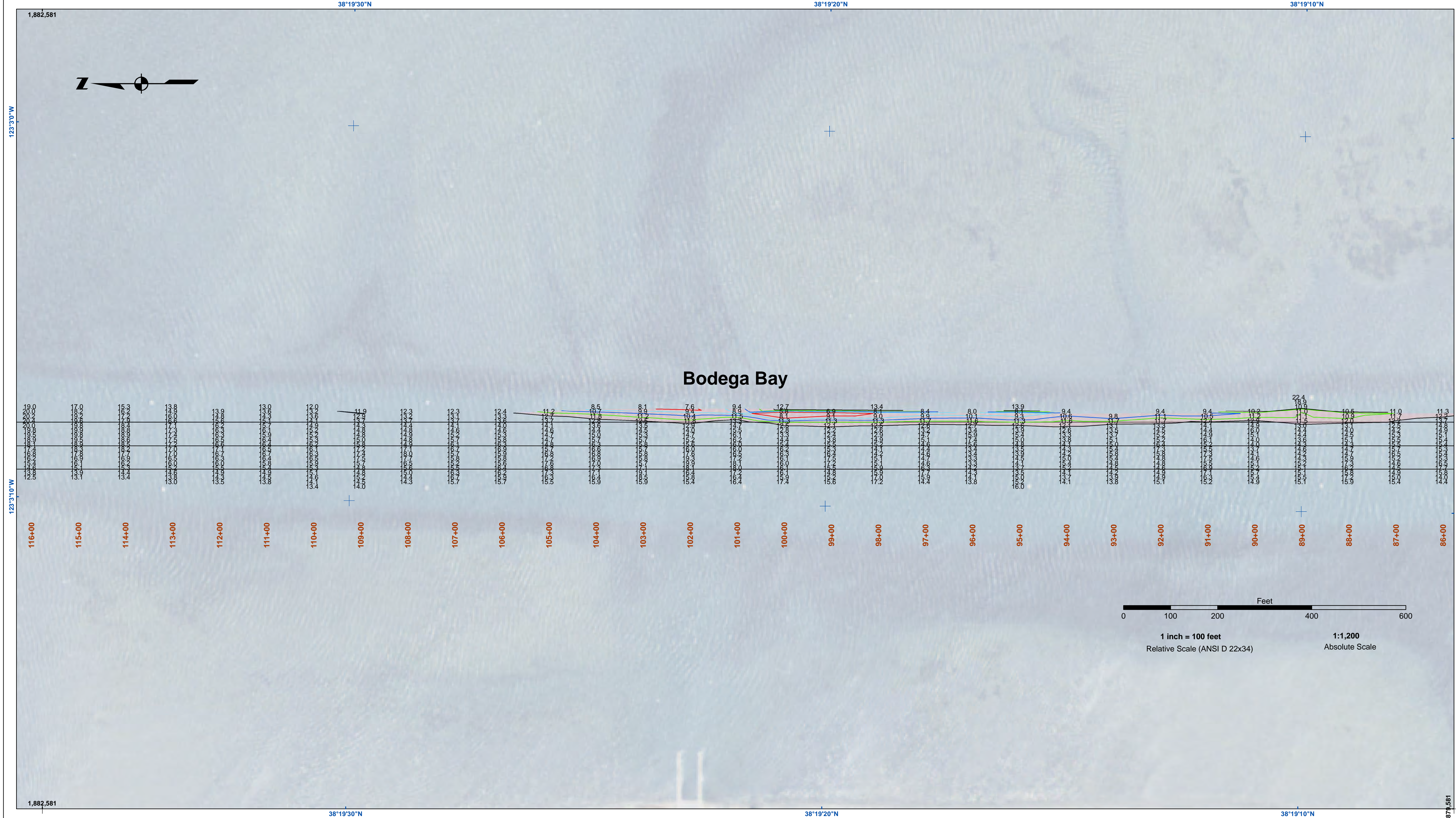
**Sheet Reference Number**  
**3 of 7**



- |                            |                    |                 |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General    | <b>Contours</b> |
| Shoaling Area              | Obstruction Point  | -12             |
| Placement Area             | Navigation Buoy    | -11             |
| Anchorage Area             | Navigation Buoy    | -10             |
| Wreck Area                 | Shoalest Sounding* | -9              |
| Submerged Wreck            |                    | -8              |
| Angle Point                |                    |                 |

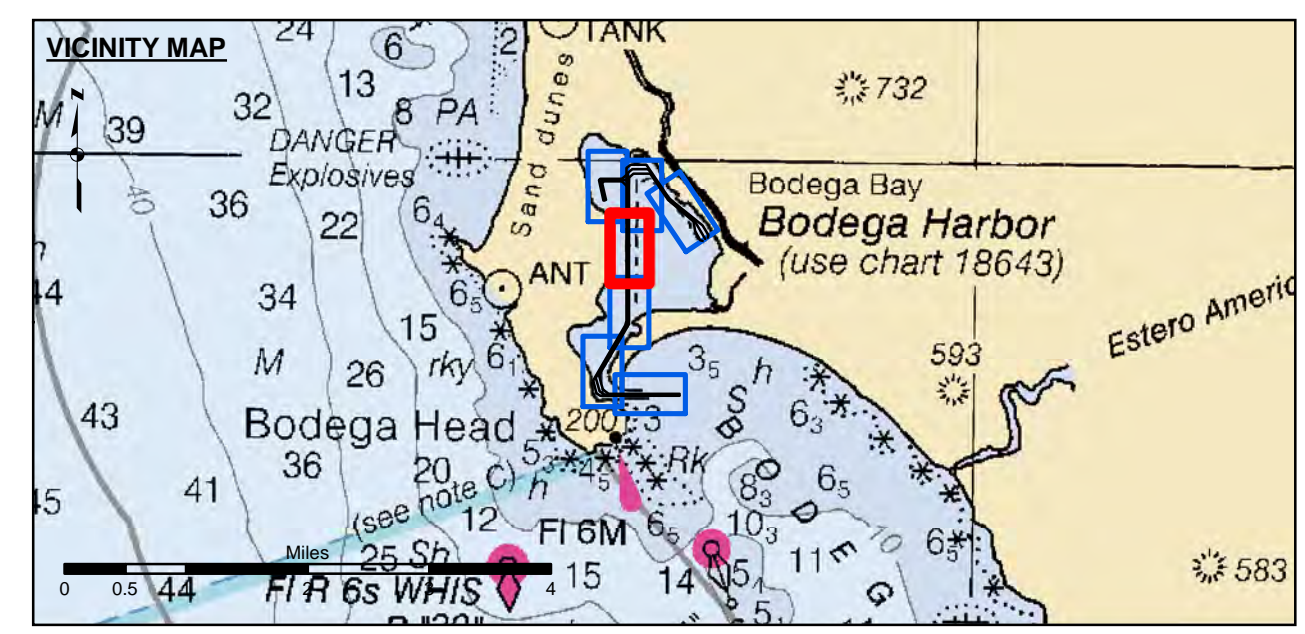
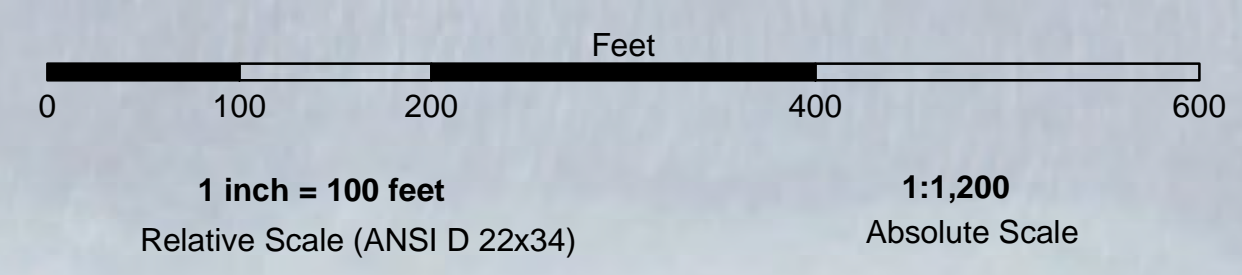
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Prepared Under the Direction of	Chart Date:
JOHN D. CUNNINGHAM	Nov 14, 2019
Subject:	Designed by:
Hydro Survey Team Leader	PDT
Recommended:	Checked by:
Chief, Hydro Survey Section	PDT
Approved:	Drawn by:
Chief, Construction Branch	PDT



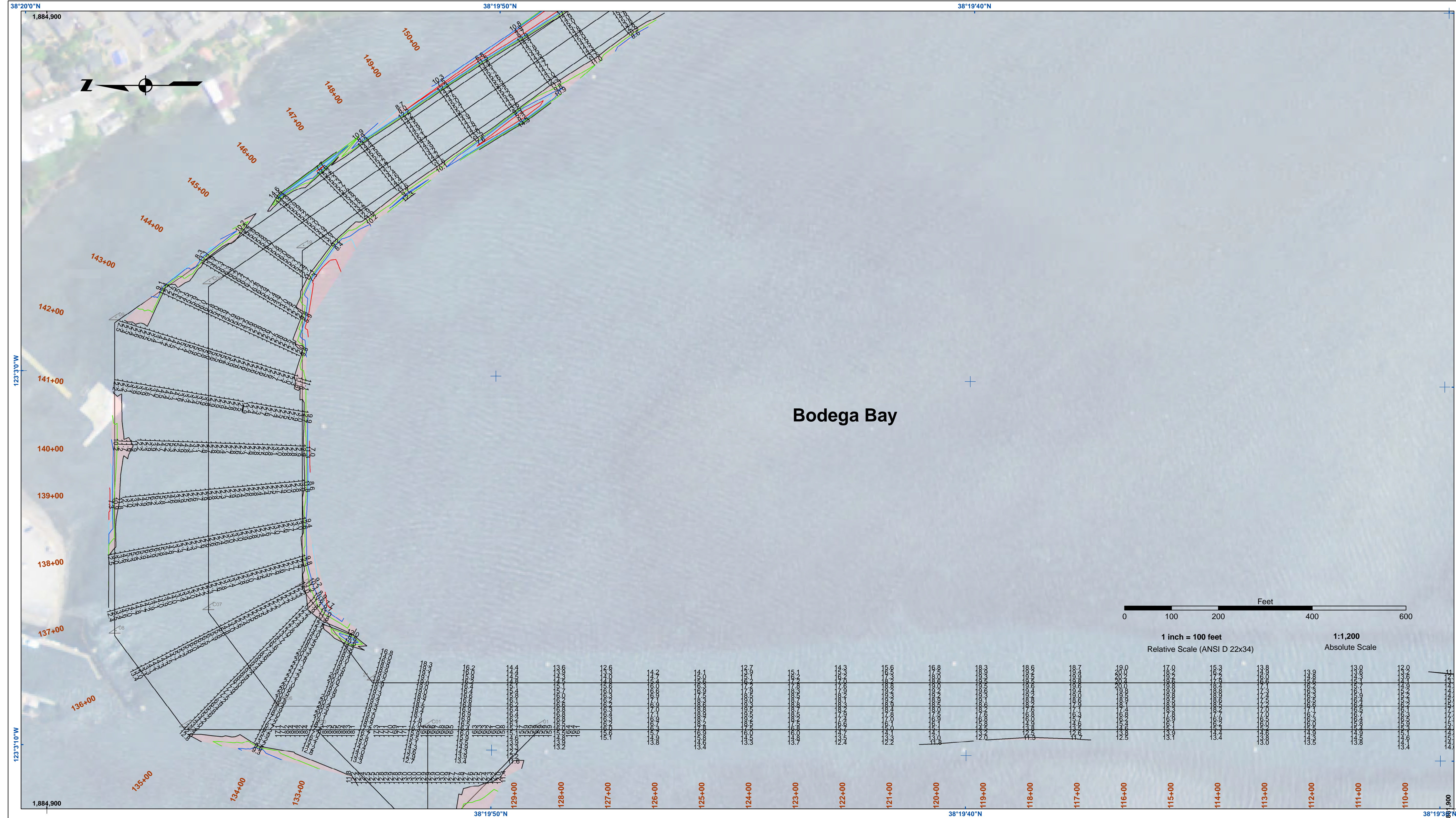
- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Angle Point
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
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- Contours**
- 12
- 11
- 10
- 9
- 8

**NOTES:**  
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CALIFORNIA  
 SONOMA COUNTY  
**BODEGA BAY CHANNEL**  
 CONDITION SURVEY  
 06 NOVEMBER 2019

**Sheet**  
**Reference**  
**Number**  
**4 of 7**



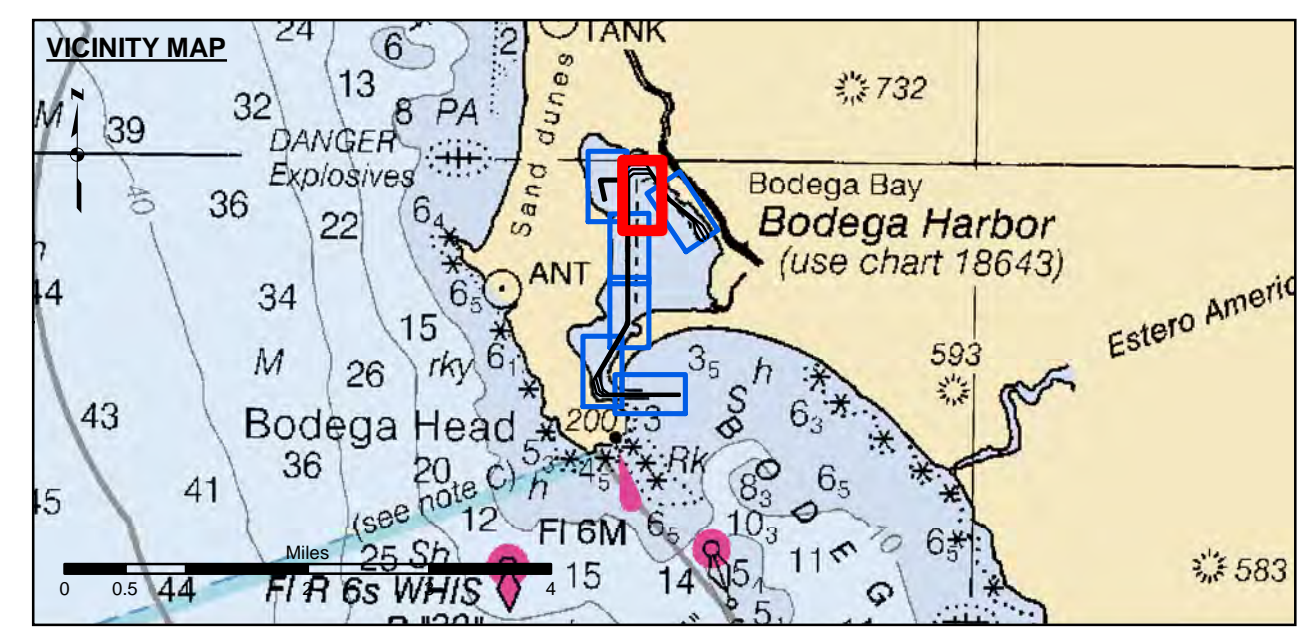
**US Army Corps of Engineers**  
 San Francisco District  
 450 Golden Gate  
 San Francisco, CA 94102

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Prepared Under the Direction of	Chart Date:	Nov 14, 2019
LT COLONEL C.E. CUNNINGHAM	Designed by:	
Submitted: Hydro Survey Team Leader	Plotted By:	PDT
Recommended: Chief, Hydro Survey Section	Checked By:	PDT
Approved: Chief, Construction Branch	Drawn by:	PDT

CALIFORNIA  
 SONOMA COUNTY  
**BODEGA BAY CHANNEL**  
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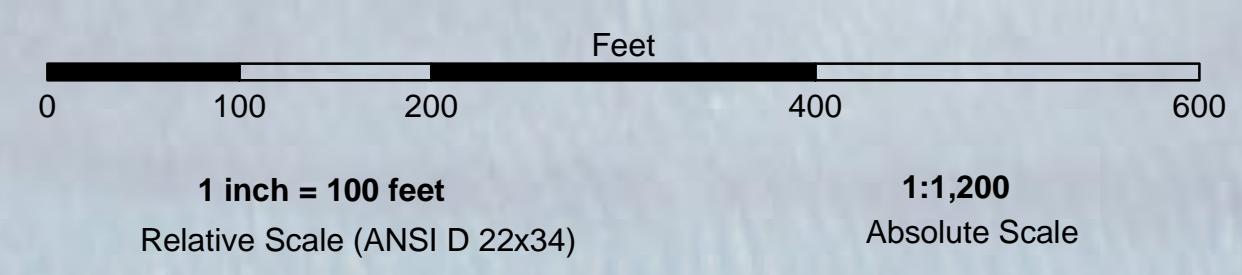
**Sheet Reference Number**  
 5 of 7



Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	
Anchorage Area	Navigation Buoy	
Wreck Area	Shoalest Sounding*	
Submerged Wreck		-12
Angle Point		-11
		-10
		-9
		-8

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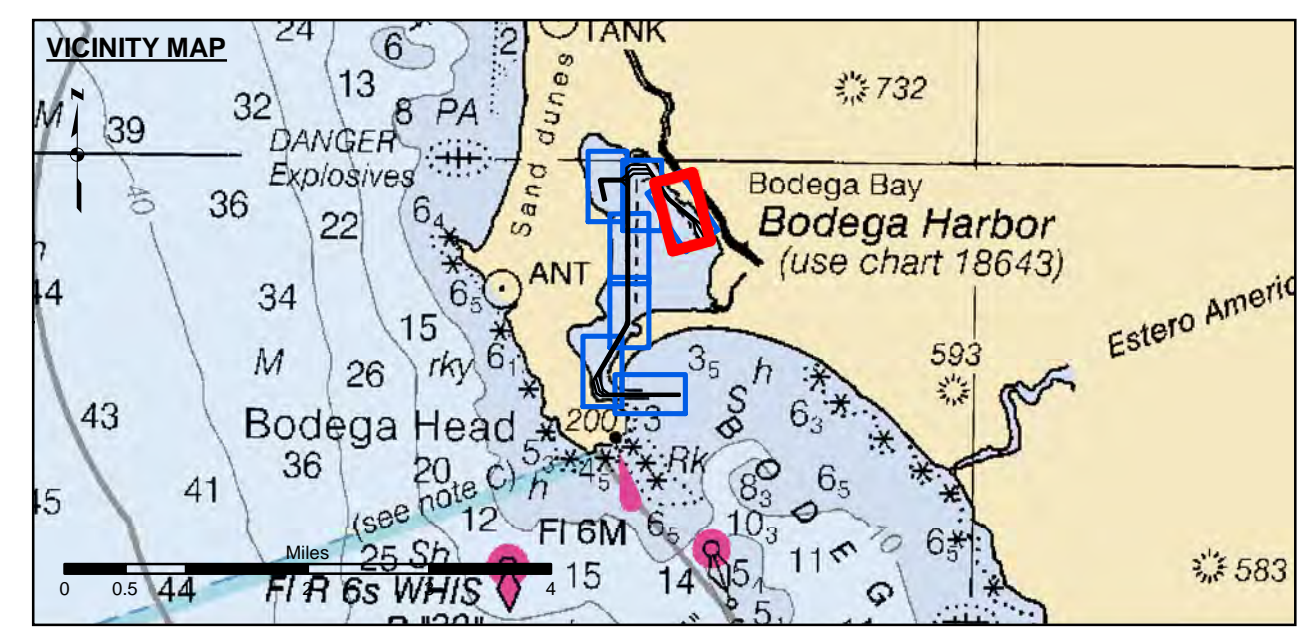
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Chart Date:	Nov 14, 2019
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Drawn by:	PDT

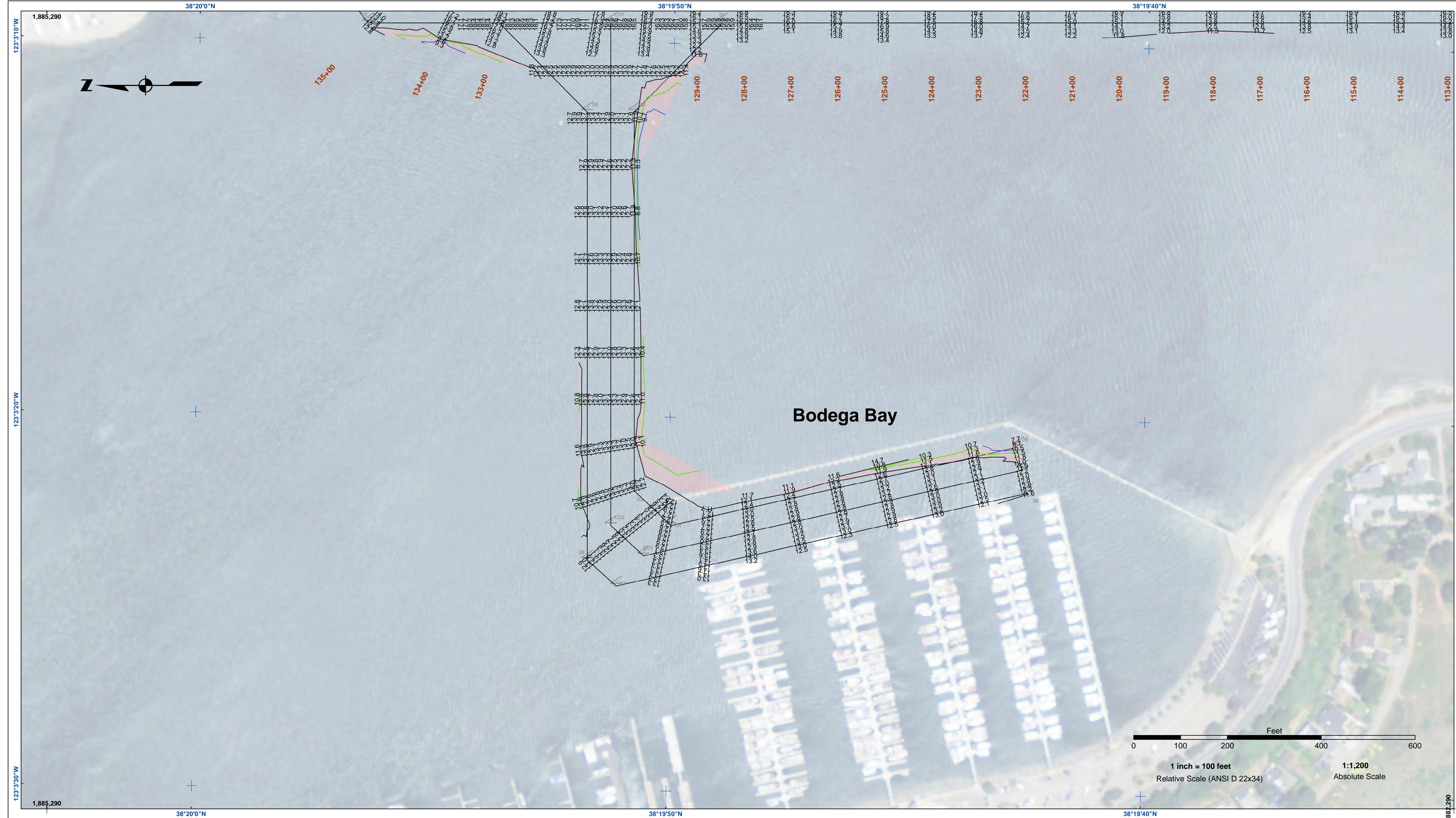
CALIFORNIA  
 SONOMA COUNTY  
**BODEGA BAY CHANNEL**  
 CONDITION SURVEY  
 06 NOVEMBER 2019

Sheet Reference Number  
**6 of 7**



- 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**
- -12
- -11
- -10
- -9
- -8

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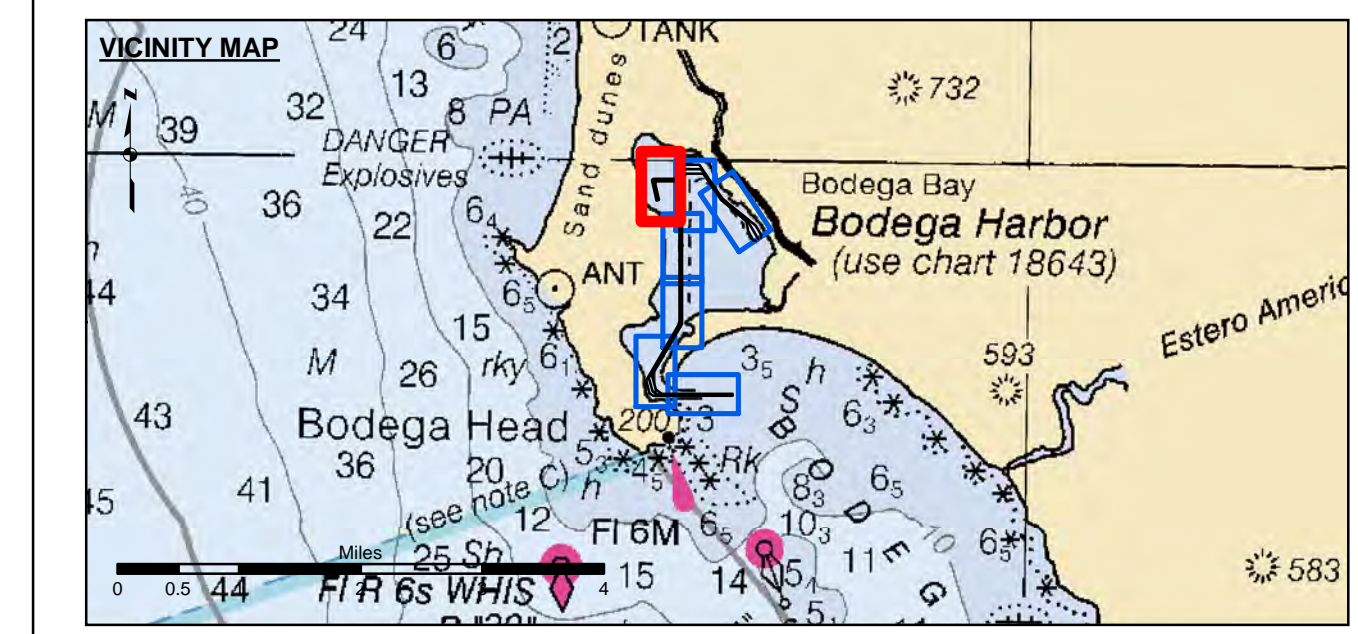
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Prepared Under the Direction of	Chart Date:
LT COLONEL C.E. CUNNINGHAM	Nov 14, 2019
Subject:	Plotted By:
Hydro Survey Team Leader	PDT
Recommended:	Checked By:
Chief, Hydro Survey Section	PDT
Approved:	Drawn by:
Chief, Construction Branch	PDT

CALIFORNIA  
 SONOMA COUNTY  
**BODEGA BAY CHANNEL**  
 CONDITION SURVEY  
 06 NOVEMBER 2019

**Sheet Reference Number**  
 7 of 7



Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	
Anchorage Area	Navigation Buoy	
Wreck Area	Shoalest Sounding*	
Submerged Wreck		-12
Angle Point		-11
		-10
		-9
		-8

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 \*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 TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST FOOT AND TENTHS OF A FOOT.  
 SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.  
 THE PROJECT DEPTH IS 12 FEET.  
 TIDE GAUGE AT BODEGA BAY COAST GUARD STATION DOCK BASED ON ELEVATION OF 17.50' MLLW ON COAST GUARD BRASS CAP PROPERTY CORNER. ELEVATION ESTABLISHED BY DIFFERENTIAL LEVELS RUN FROM "TIDAL 4 = ROAD" USED, 1941. ELEVATION 20.05' MLLW LOCATED IN THE TOWN OF BODEGA BAY.

