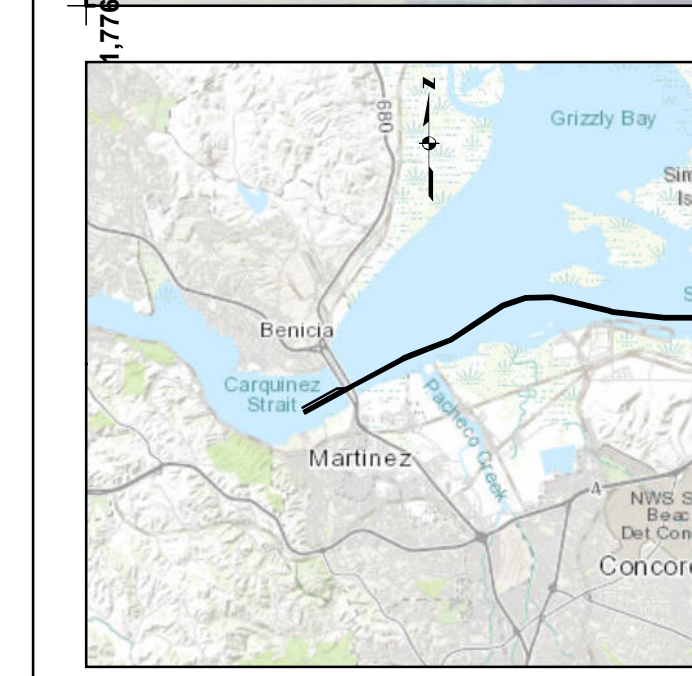


Angle Point	Easting	Northing
01	6522251.24	1773544.02
01-A	6522058.94	1773894.77
02	6526638.33	1775949.19
02-A	6525876.51	1775995.5
03	6526814.71	1776043.48
04	6527523.96	1776423.75
05	6532628.85	1779160.81
06	6533058.01	1779418.58
07	6534097.47	1779856.02
08	6538142.48	1781404.93
09	6541140.44	1783407.77
10	6543746.5	1785148.8
11	6546257.51	1786900.88
12	6549181.52	1788680.88
13	655384.18	1794554.99
14	6555800.55	1794452.57
15	6561371.57	1783800.48
16	6563022.2	1783817.72
17	6566631.6	1783855.42
18	6570705.41	1783336.79
19	6572444.64	1783115.37
20	6574974.06	1782266.36
21	6576022.73	1780780.8
22	6581155.52	1779254.25
23	6583747.56	1778351.3
24	6585358.69	1778330.5
25	6586492.14	1778315.87
26	6590754.42	1778766.38
27	6591256.1	1778845.54
28	6591599.01	1778800.33
29	6593537.77	1778544.71
30	6594899.78	1777747.44
31	6595729.72	1776115.57
32	6596208.21	1775521.7
33	6596646.81	1775104.81
34	6596253.91	1774402.21
35	6599256.55	1773901.57
36	6599759.13	1773700.06
37	6600293.83	1773614.79
38	6603558.93	1773964.99
39	6604408.52	1773200.93
40	6605166.76	1772783.99
41	6605493.42	1772511.98
42	6605666.48	1772482.32
43	6606339.33	1772133.75
44	6607329.74	1772075.69
45	6609314.54	1772257.76
46	6611103.07	1772096.82
47	6612148.35	1771412.18

Angle Point	Easting	Northing
48	6611928.32	1771078.24
49	6610969.28	1771713.82
50	6609351.08	1771859.43
51	6607366.28	1771677.36
52	6606234.39	1771743.72
53	6605546.71	1772090.55
54	6605222.02	1772254.31
55	6604935.26	1772457.79
56	6604271.82	1772822.6
57	6603528.42	1772966.17
58	6602633.32	1773215.96
59	6599652.22	1773313.41
60	6599077.86	1773543.71
61	6598135.33	1774014.34
62	6598668.12	1774746.95
63	6595938.27	1775223.39
64	6595391.45	1775902.1
65	6594404.78	1777464.31
66	6593391.34	1778160.67
67	6591480.44	1778412.52
68	6591255.17	1778442.21
69	6590791.21	1778418.32
70	6586528.94	1777967.81
71	6585297.54	1777963.71
72	6583686.58	1778004.51
73	6581002.2	1778939.63
74	6577959.51	1780422.27
75	6574841.16	1781941.79
76	6572368.09	1782772.55
77	6570644.56	1782991.71
78	6566611.24	1783505.19
79	6562960.36	1783467.06
80	6561352.98	1783450.27
81	6555738.17	1784107.49
82	6555323.24	1784209.4
83	6549136.2	1785728.94
84	6546319.67	1785613
85	6543900.48	1784830.75
86	6541295.27	1783090.31
87	6538304.13	1781092.05
88	6534227.97	1779531.21
89	6533218.72	1779102.27
90	6532770.08	1778896.24
91	6527655.58	1776153.9
92	6526956.17	1775778.89
93	6522395.41	1773280.93



Angle Point	Easting	Northing
C01	8522323.35	1773412.49
C02	8526711.37	1775815.85
C03	8526885.44	1775911.19
C04	8527589.77	1776288.83
C05	8532699.46	1779028.53
C06	8533138.36	1779260.42
C07	8534182.72	1779693.62
C08	8538223.29	1781248.49
C09	8541217.85	1783249.04
C10	8543823.49	1784989.77
C11	8546288.6	1785786.87
C12	8549158.86	1785904.81
C13	8553533.71	1784382.19
C14	8555769.36	1784280.03
C15	8561382.27	1783625.37
C16	8562991.28	1783642.39
C17	8566621.42	1783680.31
C18	8570674.99	1783164.25
C19	8572405.37	1782943.96
C20	8574907.61	1782104.08
C21	8577991.12	1780601.54
C22	8581078.86	1779096.94
C23	8583717.07	1778177.91
C24	8585328.12	1778157.11
C25	8586510.54	1778141.84
C26	8590772.82	1778592.35
C27	8591255.63	1778643.88
C28	8591539.73	1778606.44
C29	8593485.01	1778352.69
C30	8594552.75	1777605.88
C31	8595560.59	1776008.84
C32	8596073.24	1775372.55
C33	8596757.47	1774925.89
C34	8598194.62	1774208.28
C35	8599167.21	1773722.64
C36	8599705.67	1773506.74
C37	8600278.58	1773415.38
C38	8603543.68	1773165.58
C39	8604340.18	1773011.77
C40	8605051.02	1772620.9
C41	8605337.77	1772417.41
C42	8605605.37	1772282.44
C43	8606286.86	1771938.73
C44	8607348.01	1771876.53
C45	8609332.8	1772058.59
C46	8611036.18	1771906.32
C47	8612038.33	1771245.21

	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				

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.

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BASE MAPS ARE USDA NAIP 2010.

\*SHOALEST SOUNDING PER QUARTER PER REACH

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SURVEYED BY THE CORPS OF ENGINEERS.

SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH FOOT.

SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.

THE PROJECT DEPTH IS 35 FEET.

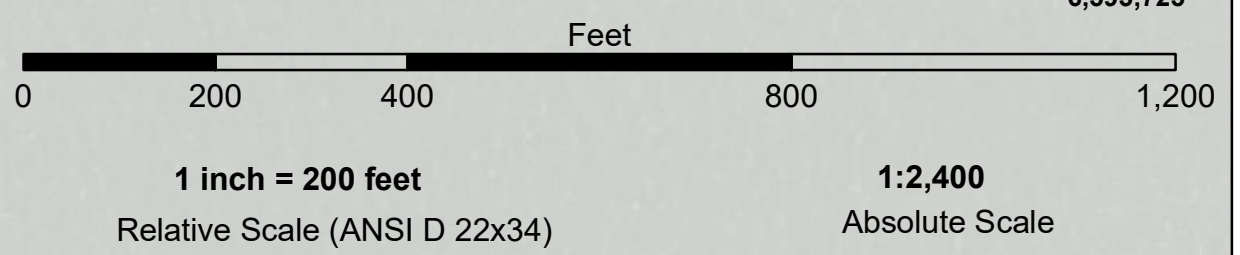
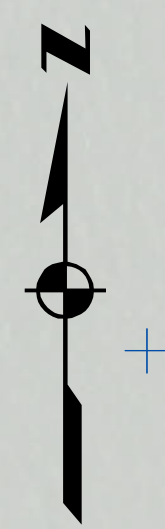
VERTICAL CONTROL: SUISUN BAY CHANNEL (LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USC&GS DISK ELEV 14.875 FT MLLW. TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK.

(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 600+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

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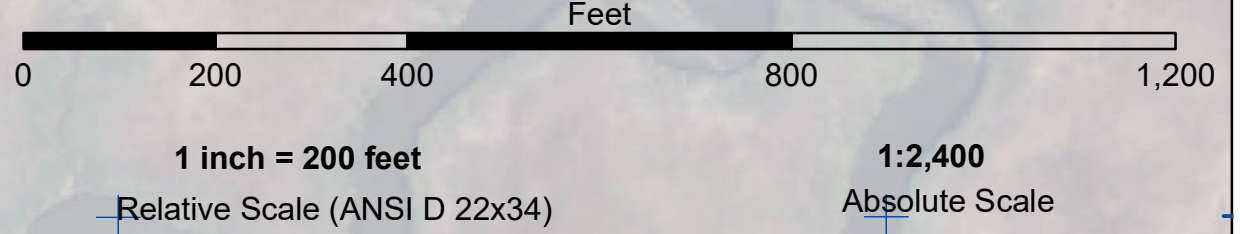
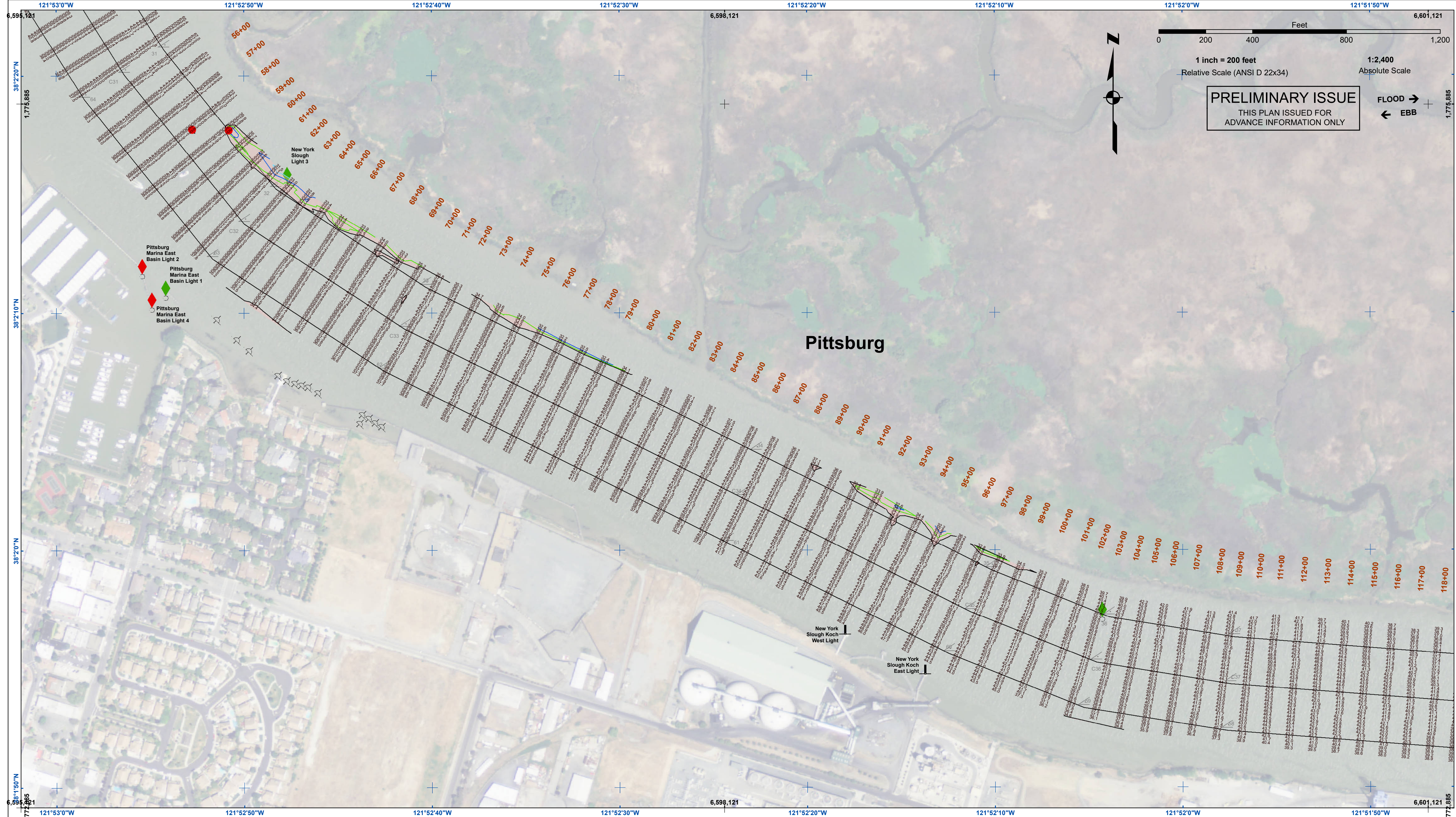
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450 Golden Gate Avenue  
San Francisco, CA 94102

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Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA  
CONTRA COSTA COUNTY  
SUISUN BAY CHANNEL  
NEW YORK SLOUGH  
CONDITION SURVEY  
07 FEBRUARY 2024

**Sheet Number 1 of 4**



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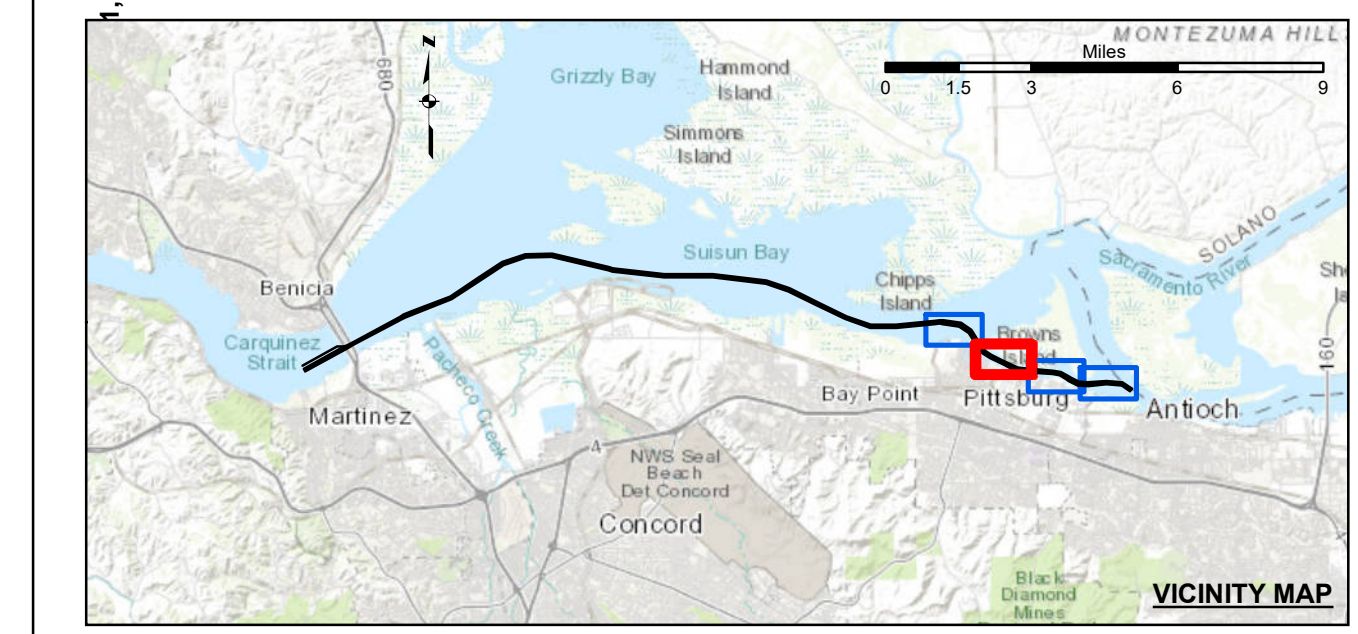
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Chart Date:	Feb 16, 2024
Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA  
CONTRA COSTA COUNTY  
**SUISUN BAY CHANNEL**  
**NEW YORK SLOUGH**  
CONDITION SURVEY  
07 FEBRUARY 2024

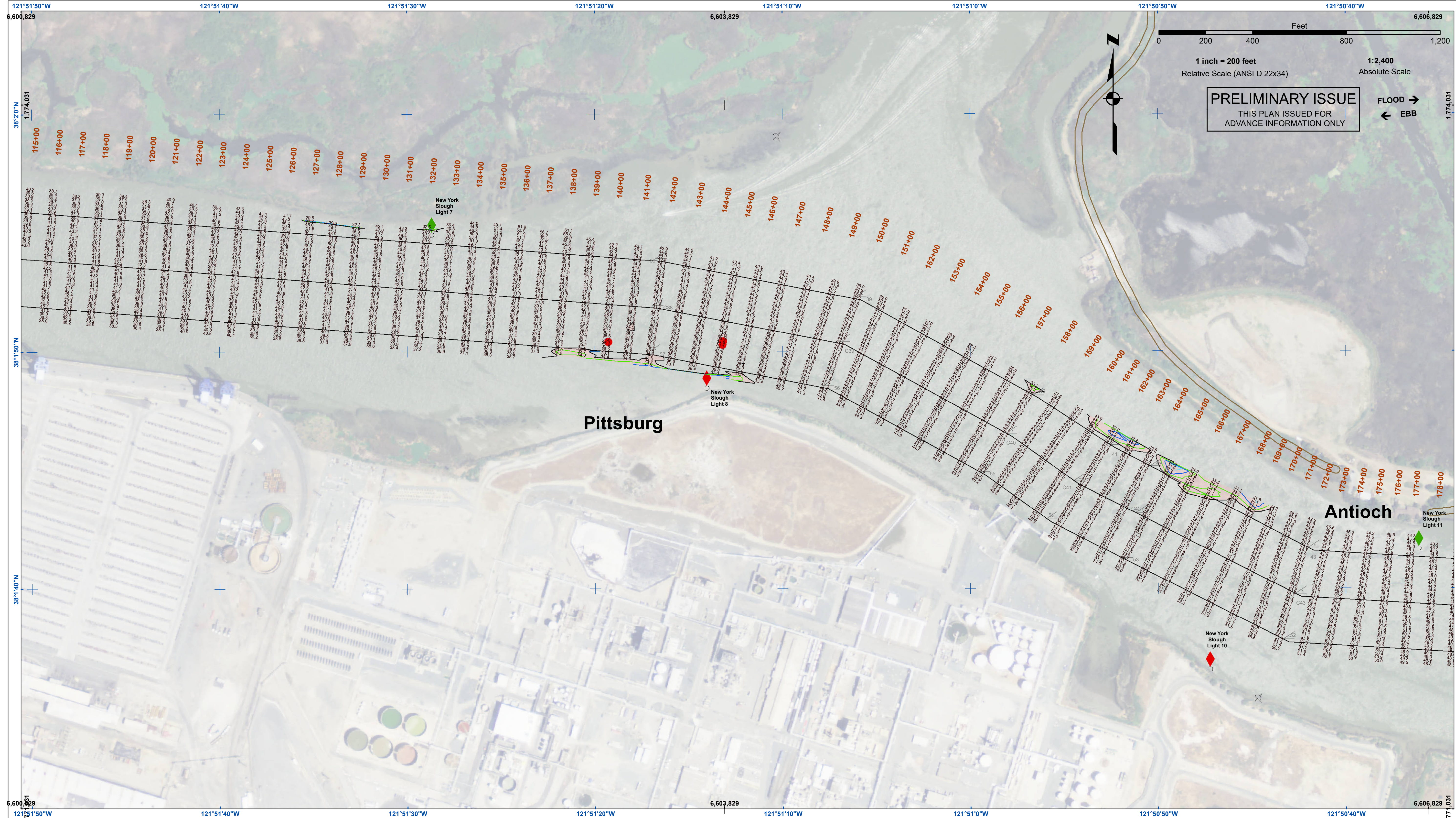
**Sheet**  
**Number**  
**2 of 4**



	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			
	Angle Point			

**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.  
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\*SHOALEST SOUNDING PER QUARTER PER REACH  
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SURVEYED BY THE CORPS OF ENGINEERS.  
SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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



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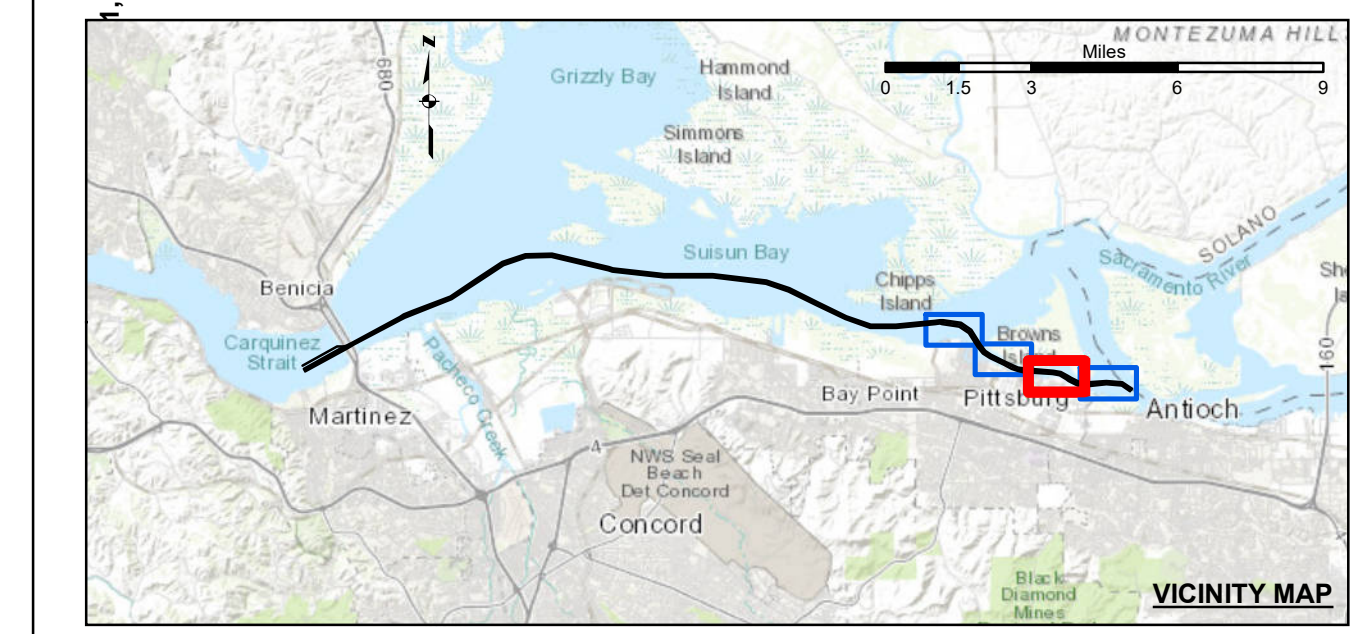
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CALIFORNIA  
 CONTRA COSTA COUNTY  
 SUISUN BAY CHANNEL  
 NEW YORK SLOUGH  
 CONDITION SURVEY  
 07 FEBRUARY 2024

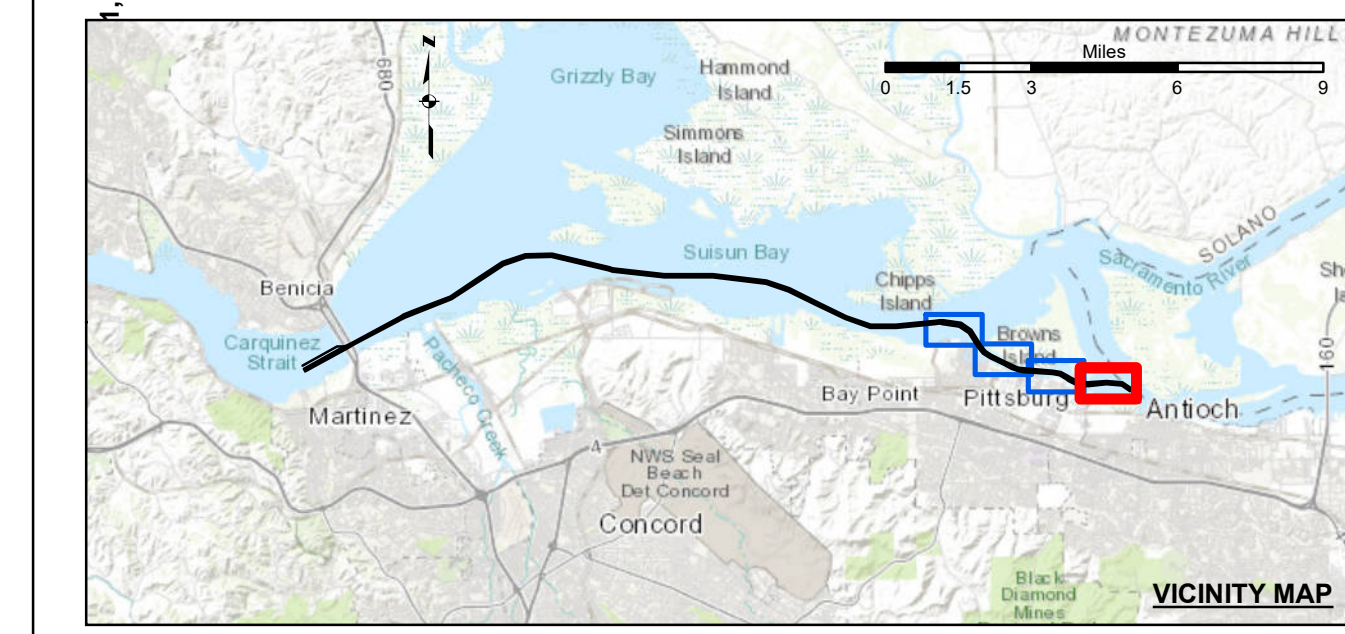
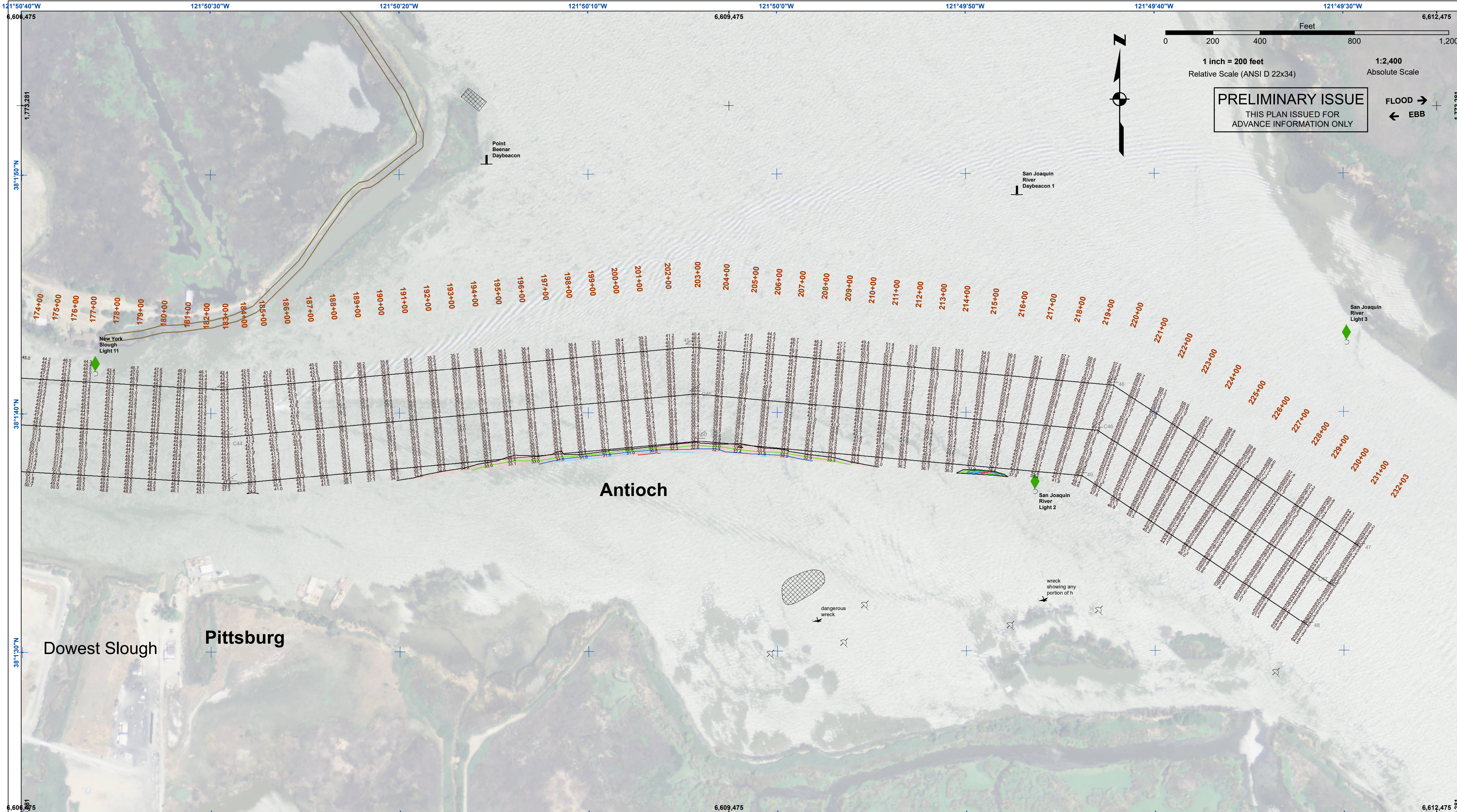
**Sheet Number**  
 3 of 4



	Federal Navigation Channel		Beacon, General	<b>Contours</b>	
	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				

**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:  
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 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.  
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 (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



- |  |                            |  |                    |                 |     |
|--|----------------------------|--|--------------------|-----------------|-----|
|  | Federal Navigation Channel |  | Beacon, General    | <b>Contours</b> |     |
|  | 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                |  |                    |                 |     |

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:  
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\*SHOALEST SOUNDING PER QUARTER PER REACH

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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.

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HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

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CALIFORNIA  
CONTRA COSTA COUNTY  
SUISUN BAY CHANNEL  
NEW YORK SLOUGH  
CONDITION SURVEY  
07 FEBRUARY 2024

**Sheet Number**  
4 of 4