38°13'50"N 122°37'0"W 122°36'50"W 122°36'40"W 38°13'40"N

5,955,351

NAD 1983 CHANNEL ANGLE POINTS					
∠ PT	X	Y	∠ PT	X	Y
1	5947195.52	2279008.14	47	5964083.42	2268915.75
2	5947246.62	2279017.15	48	5964040.02	2268825.75
3	5947549.42	2279070.45	49	5963083.92	2269283.95
4	5947589.22	2279106.25	50	5962833.12	2269449.25
5	5947529.82	2279300.65	51	5962626.32	2269672.25
6	5947521.22	2279359.15	52	5962123.02	2270425.95
7	5947532.92	2279405.05	53	5960507.42	2272708.15
8	5947718.92	2279474.25	54	5960058.42	2273467.85
9	5947755.42	2279454.65	55	5959833.42	2273663.85
10	5947817.42	2279376.15	56	5959509.42	2273754.85
11	5947911.32	2279220.45	57	5958721.42	2273583.85
12	5948246.82	2279020.35	58	5958162.42	2273771.85
13	5948305.72	2279000.15	59	5957697.32	2273734.35
14	5948344.82	2279000.45	60	5957331.92	2273873.15
15	5949049.32	2278726.55	61	5956963.82	2274257.05
16	5949496.22	2278469.15	62	5956824.42	2274505.15
17	5950191.42	2277931.85	63	5956737.02	2274857.75
18	5950596.42	2277337.85	64	5956629.22	2275054.75
19	5950794.42	2277205.85	65	5956141.42	2275413.85
20	5951273.42	2277220.65	66	5955727.42	2275674.85
21	5952333.32	2276963.75	67	5954744.42	2276435.85
22	5952732.72	2276774.85	68	5954491.12	2276524.15
23	5953497.92	2276853.65	69	5954460.32	2276546.85
24	5953599.52	2276842.95	70	5954431.62	2276552.25
25	5954281.22	2276642.75	71	5954408.82	2276535.05
26	5954331.62	2276619.45	72	5954165.52	2276572.55
27	5954618.62	2276589.85	73	5953579.92	2276743.15
28	5954786.42	2276530.85	74	5953465.72	2276752.25
29	5955775.22	2275763.85	75	5952702.82	2276872.75
30	5956195.42	2275496.85	76	5952293.82	2276870.75
31	5956713.92	2275116.95	77	5951242.92	2277125.45
32	5956839.42	2274881.05	78	5950971.42	2277102.85
33	5956921.92	2274527.35	79	5950681.42	2277027.85
34	5957038.82	2274323.15	80	5950486.42	2277202.85
35	5957388.02	2273958.35	81	5950339.42	2277527.85
36	5957711.92	2273835.35	82	5950109.42	2277865.85
37	5958176.42	2273872.85	83	5949421.02	2278396.65
38	5958729.42	2273687.85	84	5948859.72	2278689.65
39	5959511.42	2273856.85	85	5948312.42	2278905.85
40	5959883.42	2273752.85	86	5948280.12	2278929.65
41	5960139.42	2273529.85	87	5948091.42	2278994.25
42	5960589.72	2272764.95	88	5947853.22	2279138.95
43	5962204.82	2270483.55	89	5947805.02	2279125.65
44	5962710.22	2269728.65	90	5947589.12	2278975.95
45	5962893.42	2269531.55	91	5947221.22	2278911.15
46	5963132.52	2269372.45	92	5947161.12	2278939.85

NAD 1983 CENTERLINE ANGLE POINTS		
∠ PT	X	Y
1	5947178.32	2278973.85
2	5947206.32	2278958.85
3	5947569.22	2279022.85
4	5947619.52	2279060.85
5	5947819.72	2279218.85
6	5947882.22	2279178.85
7	5948117.42	2279038.85
8	5948234.62	2278983.85
9	5948292.92	2278963.85
10	5948328.62	2278952.85
11	5948878.42	2278736.85
12	5949021.42	2278671.85
13	5949446.12	2278438.85
14	5950150.42	2277898.85
15	5950382.92	2277558.85
16	5950541.42	2277260.85
17	5950737.92	2277116.85
18	5950969.82	2277158.85
19	5951248.92	2277172.85
20	5952313.52	2276915.85
21	5952717.72	2276722.85
22	5953495.12	2276800.85
23	5953589.72	2276792.85
24	5954179.62	2276618.85
25	5954274.62	2276598.85
26	5954326.22	2276582.85
27	5954413.22	2276577.85
28	5954434.22	2276575.85
29	5954483.22	2276575.85
30	5954496.02	2276562.85
31	5954601.52	2276539.85
32	5954765.42	2276482.85
33	5955751.32	2275718.85
34	5956168.42	2275455.85
35	5956671.52	2275084.85
36	5956786.22	2274868.85
37	5956873.12	2274515.85
38	5957001.32	2274289.85
39	5957350.92	2273914.85
40	5957704.82	2273763.85
41	5958189.42	2273821.85
42	5958725.42	2273635.85
43	5959509.42	2273805.85
44	5959856.42	2273707.85
45	5960098.92	2273498.85
46	5960548.52	2272735.85
47	5962163.92	2270453.85
48	5962688.22	2269699.85
49	5962883.22	2269489.85
50	5963108.22	2269327.85
51	5964061.72	2268865.85

Petaluma

PRELIMINARY ISSUE
THIS PLAN ISSUED FOR ADVANCE INFORMATION ONLY

Feet
0 100 200 400 600

1 inch = 100 feet
Relative Scale (ANSI D 22x34)

1:1,200
Absolute Scale

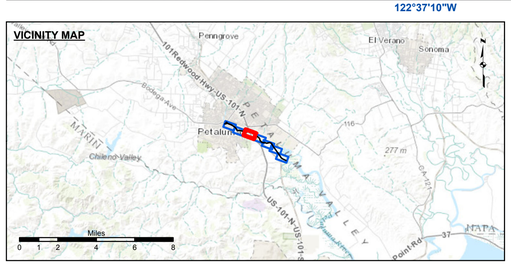
FLOOD
EBB

122°37'10"W 122°37'0"W 122°36'50"W

38°13'30"N 122°36'40"W

5,955,351

VICINITY MAP



- 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
-8 -7 -6 -5 -4

NOTES:

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 ARE 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.

PLANE GRID AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT PROJECTION, ZONE III NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY NATIONAL OCEAN SURVEY.

PROJECT DEPTH IS 8 FEET FROM THE MOUTH OF PETALUMA CREEK TO WESTERN AVE., THEN 4 FOOT DEPTH TO THE HEAD OF NAVIGATION.

ELEVATIONS ARE BASED ON TIDAL BENCH MARK 941 5584 BOLT C, NATIONAL OCEAN SERVICE BOLT, ELEV. 13.69, NAVD 88 DATUM, PUBLICATION DATE: AUGUST 9, 2004

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

Chart Date: Sep 18, 2014
Surveyed By:
Designed by:
Plotted By:
Drawn by: PDT
Checked By: PDT

PREPARED UNDER THE DIRECTION OF
JOHN C. MORROW
LT. COLONEL, C.E., DISTRICT ENGINEER

Submitted: PDT, Hydro Survey Team Leader
Recommended: Chief, Hydro Survey Section
Approved: Chief, Construction Branch

CALIFORNIA
SONOMA COUNTY

PETALUMA RIVER
CONDITION SURVEY
12-14 SEPTEMBER 2014

Sheet Reference Number
3 of 7