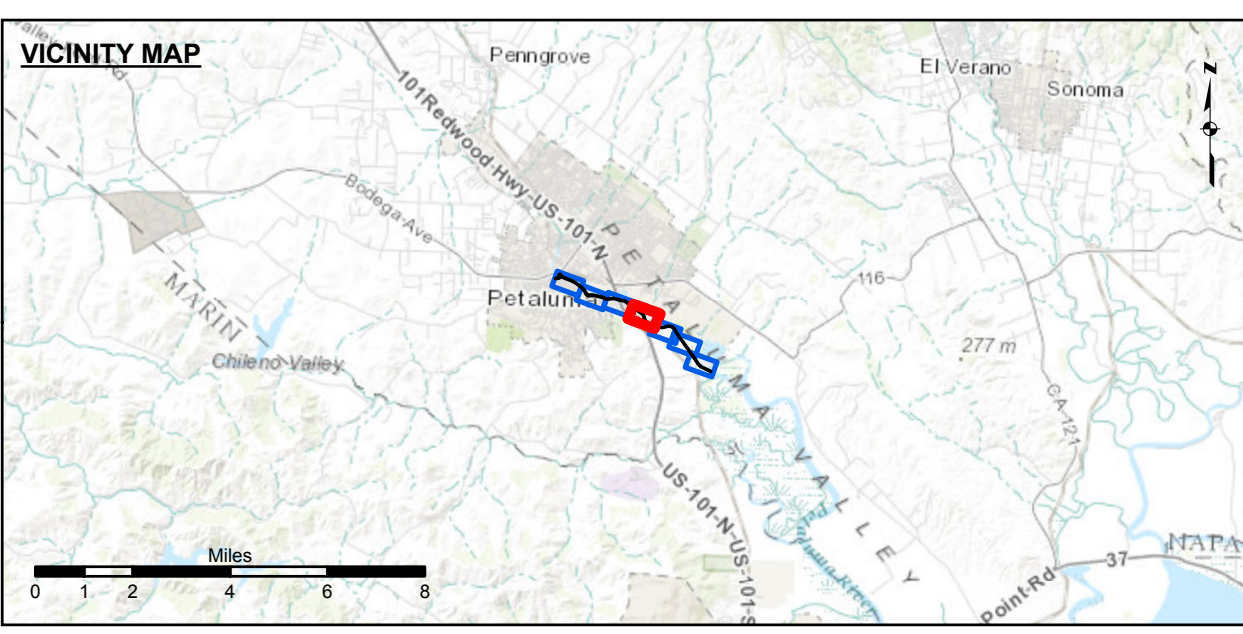


NAD 1983 CHANNEL ANGLE POINTS					
PT	X	Y	PT	X	Y
1	5947195.52	2279008.14	47	5964083.42	2268915.75
2	5947246.62	2279017.15	48	5964040.02	2268825.75
3	5947549.42	2279070.45	49	5963083.92	2269283.95
4	5947589.22	2279106.25	50	5962833.12	2269449.25
5	5947529.62	2279300.85	51	5962626.32	2269672.25
6	5947521.22	2279359.15	52	5962123.02	2270425.55
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	2273673.15
15	5949049.32	2278785.55	61	5956963.82	2274257.05
16	5949496.22	2278469.15	62	5956824.42	2274505.15
17	5950191.42	2277931.85	63	5956373.02	2274857.75
18	5950596.42	2277337.85	64	5956029.22	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	5953487.92	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	2276763.85	75	5952702.82	2276877.75
30	5956195.42	2276498.85	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	2278396.85
38	5958729.42	2273687.85	84	5948859.72	2278689.85
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	2279125.55
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	PT	X	Y
1	5947178.32	2278973.85	2	5947208.32	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	2278963.85
9	5948292.92	2278963.85	10	5948328.62	2278952.85
11	5948678.42	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	2277269.85
17	5950737.92	2277118.85	18	5950989.82	2277168.85
19	5951248.92	2277172.85	20	5952313.52	2276915.85
21	5952717.72	2276722.85	22	5953495.12	2276803.85
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	2276578.85
29	5954483.22	2276575.85	30	5954495.02	2276562.85
31	5954601.52	2276539.85	32	5954765.42	2276482.85
33	5954813.22	2276571.85	34	5955188.42	2275455.85
35	5955671.52	2275084.85	36	5956788.22	2274868.85
37	5957465.42	2276482.85	38	5957031.32	2274289.85
39	5957359.02	2273914.85	40	5957704.62	2273783.85
41	5958189.42	2273821.85	42	5958725.42	2273635.85
43	5959695.42	2273805.85	44	5959856.42	2273707.85
45	5960098.92	2273707.85	46	5960548.52	2272735.85
47	5962163.92	2270453.85	48	5962698.22	2269699.85
49	5962883.22	2269489.85	50	5963108.22	2269327.85
51	5964081.72	2268889.85			

**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY



Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	
Placement Area	Navigation Buoy	-8
Anchorage Area	Navigation Buoy	-7
Wreck Area	Shoalest Sounding*	-6
Submerged Wreck		-5
Angle Point		-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 AVENUE, 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



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Chart Date:	Sep 16, 2014
Surveyed By:	JOHN C. MORROW
Plotted By:	PDT
Designed By:	Hydro Survey Team Leader
Checked By:	Chief, Hydro Survey Section
Drawn By:	PDT
Approved:	Chief, Construction Branch

CALIFORNIA  
SONOMA COUNTY  
**PETALUMA RIVER**  
CONDITION SURVEY  
12-14 SEPTEMBER 2014

**Sheet Reference Number**  
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