



	Federal Navigation Channel		Beacon, General	Contours	
	Shoaling Area		Obstruction Point		
	Placement Area		Navigation Buoy		
	Anchorage Area		Navigation Buoy		
	Wreck Area		Shoalest Sounding*		
	Submerged Wreck				-8
	Angle Point				-7
					-6
					-5
					-4

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	5947549.45	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	2270425.95
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	5957897.32	2273734.35
14	5948344.82	2279000.45	60	5957331.92	2273673.15
15	5949049.32	2278725.55	61	5956983.82	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	5953487.92	2276853.85	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	2276872.75
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	596204.82	2270483.55	89	5947805.02	2279125.85
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
2	5947208.32	2278958.85	3	5947569.22	2279022.85
3	5947569.22	2279022.85	4	5947619.52	2279060.85
4	5947619.52	2279060.85	5	5947819.72	2279218.85
5	5947819.72	2279218.85	6	5947882.22	2279178.85
6	5947882.22	2279178.85	7	5948117.42	2279038.85
7	5948117.42	2279038.85	8	5948234.62	2278963.85
8	5948234.62	2278963.85	9	5948292.92	2278963.85
9	5948292.92	2278963.85	10	5948328.62	2278952.85
10	5948328.62	2278952.85	11	5948678.42	2278736.85
11	5948678.42	2278736.85	12	5949021.42	2278718.85
12	5949021.42	2278718.85	13	5949446.12	2278438.85
13	5949446.12	2278438.85	14	5950150.42	2277898.85
14	5950150.42	2277898.85	15	5950382.92	2277558.85
15	5950382.92	2277558.85	16	5950541.42	2277269.85
16	5950541.42	2277269.85	17	5950737.92	2277118.85
17	5950737.92	2277118.85	18	5950989.82	2277168.85
18	5950989.82	2277168.85	19	5951248.92	2277172.85
19	5951248.92	2277172.85	20	5952313.52	2276915.85
20	5952313.52	2276915.85	21	5952717.72	2276722.85
21	5952717.72	2276722.85	22	5953495.12	2276803.85
22	5953495.12	2276803.85	23	5953589.72	2276792.85
23	5953589.72	2276792.85	24	5954179.62	2276618.85
24	5954179.62	2276618.85	25	5954274.62	2276598.85
25	5954274.62	2276598.85	26	5954326.22	2276582.85
26	5954326.22	2276582.85	27	5954413.22	2276577.85
27	5954413.22	2276577.85	28	5954434.22	2276578.85
28	5954434.22	2276578.85	29	5954483.22	2276575.85
29	5954483.22	2276575.85	30	5954495.02	2276562.85
30	5954495.02	2276562.85	31	5954601.52	2276539.85
31	5954601.52	2276539.85	32	5954765.42	2276462.85
32	5954765.42	2276462.85	33	5955713.32	2276118.85
33	5955713.32	2276118.85	34	5956188.42	2275455.85
34	5956188.42	2275455.85	35	5956671.52	2275084.85
35	5956671.52	2275084.85	36	5956788.22	2274868.85
36	5956788.22	2274868.85	37	5956873.12	2274515.85
37	5956873.12	2274515.85	38	5957001.32	2274289.85
38	5957001.32	2274289.85	39	5957359.02	2273914.85
39	5957359.02	2273914.85	40	5957704.62	2273783.85
40	5957704.62	2273783.85	41	5958189.42	2273821.85
41	5958189.42	2273821.85	42	5958725.42	2273835.85
42	5958725.42	2273835.85	43	5959059.42	2273805.85
43	5959059.42	2273805.85	44	5959856.42	2273707.85
44	5959856.42	2273707.85	45	5960098.92	2272735.85
45	5960098.92	2272735.85	46	5960548.52	2272045.38
46	5960548.52	2272045.38	47	5962163.92	2270453.85
47	5962163.92	2270453.85	48	5962698.22	2269899.85
48	5962698.22	2269899.85	49	5962883.22	2269489.85
49	5962883.22	2269489.85	50	5963108.22	2269327.85
50	5963108.22	2269327.85	51	5964081.72	2268889.85
51	5964081.72	2268889.85			

PRELIMINARY ISSUE
THIS PLAN ISSUED FOR ADVANCE INFORMATION ONLY

0 100 200 400 600 Feet
1 inch = 100 feet
Relative Scale (ANSI D 22x34) 1:1,200
Absolute Scale

← FLOOD
EBB →

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

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Chart Date:	Sep 16, 2014
Designed by:	PDT
Drawn by:	PDT
Surveyed by:	JOHN C. MORROW
Plotted by:	PDT
Checked by:	PDT

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

Sheet Reference Number
5 of 7

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 THEN, 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