

Jenner Boat Ramp	Time	Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N (un-ionized)	Nitrate as N	Nitrite as N	Total Kjeldahl Nitrogen	Total Nitrogen**	Phosphorus, Total	Total Orthophosphate	Dissolved Organic Carbon	Total Organic Carbon	Total Dissolved Solids	Turbidity	Chlorophylla	Total Coliforms (Coliort)	Total Coliforms Diluted 1:10 (Coliort)	E. coli (Coliort)	E. coli Diluted 1:10 (Coliort)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)****	Estuary Status	Jenner Gauge (ft)
MDL*				0.200	0.10	0.00010	0.030	0.030	0.10	0.020	0.020	0.0400	0.0400	4.2	0.020	0.000050	20	20	20	2	2	2	Flow Rate****		
Date		°C		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	MPN/100m	MPN/100m	MPN/100m	MPN/100m	MPN/100m	MPN/100m	(cfs)		
5/12/2015	9:50:00	16.7	8.4	0.32	ND	ND	0.063	ND	0.32	0.38	0.065	0.13	1.74	2.24	4200	1.2	0.0015	>2419.6	2481	1732.9	1956	435.2	183	Open	1.77
5/19/2015	10:30:00	17.7	8.0	0.35	ND	ND	0.26	ND	0.35	0.62	0.044	0.086	1.09	1.23	7400	2.6	0.0059	>2419.6	583	12.1	31	6.3	179	Open	0.59
5/26/2015	11:00:00	17.1	8.0	0.24	ND	ND	0.27	ND	0.24	0.52	0.050	0.086	1.32	1.20	6600	2.8	0.0074	>2419.6	2142	9.7	10	3.0	155	Open	0.97
6/2/2015	9:50:00	18.0	8.3	0.21	ND	ND	0.28	ND	0.21	0.49	0.033	0.072	2.07	2.05	2100	1.8	0.0027	>2419.6	3876	24.3	50	58.3	135	Closed	4.42
6/4/2015	10:00:00	18.1	8.3	ND	ND	ND	0.053	ND	ND	0.23	0.039	0.072	2.00	1.94	2400	1.5	0.0023	>2419.6	1789	290.9	183	98.5	127	Closed	5.14
6/9/2015	10:40:00	20.0	8.2	0.28	ND	ND	ND	ND	0.28	0.28	0.035	0.052	2.09	2.24	1600	1.3	0.011	1299.7	1539	93.3	121	24.3	124	Closed	6.45
6/16/2015	9:10:00	20.2	7.7	0.32	ND	ND	0.029	ND	0.32	0.60	0.052	0.15	1.45	1.59	7000	1.8	0.00047	>2419.6	>2419.6	2.0	10	816.4	117	Open	0.84
6/23/2015	10:30:00	17.7	7.7	0.21	ND	ND	0.59	ND	0.21	0.80	0.042	0.11	0.931	0.950	14000	1.3	0.0014	>2419.6	3076	3.0	<10	35.5	106	Open	0.76
6/30/2015	9:50:00	19.2	8.1	ND	ND	ND	0.80	ND	ND	0.94	0.032	0.056	0.849	0.852	15000	1.6	0.0022	>2419.6	>2419.6	45.9	122	290.9	105	Open	0.84
7/7/2015	9:20:00	19.4	7.9	0.32	ND	ND	ND	ND	0.32	0.32	0.036	0.059	0.623	0.731	22000	1.8	0.0044	>2419.6	>2419.6	98.3	<10	31.3	72	Open	0.76
7/14/2015	10:10:00	20.0	8.1	0.32	ND	ND	1.1	ND	0.32	1.4	0.045	0.023	0.748	0.807	19000	3.5	0.0031	>2419.6	12033	31.8	<10	261.3	77	Open	1.01
7/21/2015	9:30:00	20.3	8.0	0.35	ND	ND	ND	ND	0.35	0.35	0.043	0.048	0.702	0.718	17000	1.8	0.0024	>2419.6	17329	32.7	10	33.7	86	Open	0.80
7/28/2015	9:10:00	18.9	8.0	0.21	ND	ND	ND	ND	0.21	0.21	0.033	ND	0.785	0.742	17000	1.3	0.0058	>2419.6	>2419.6	20	10	1046.2	66	Open	1.18
8/4/2015	9:40:00	19.5	7.9	0.24	ND	ND	ND	ND	0.24	0.24	0.025	0.048	0.684	0.600	18000	1.8	0.0029	>2419.6	24196	1203.3	109	1299.7	103	Open	0.67
8/11/2015	9:30:00	19.8	8.0	0.28	ND	ND	1.1	ND	0.28	1.4	0.027	0.044	0.851	0.901	17000	1.9	0.0033	>2419.6	12033	85.1	62	1413.6	86	Open	1.18
8/18/2015	9:20:00	18.8	8.0	ND	ND	ND	1.1	ND	ND	1.2	0.027	0.033	0.746	0.670	19000	1.8	0.0021	>2419.6	19863	>2419.6	86	2419.6	89	Open	0.63
8/25/2015	9:15:00	18.2	7.8	0.28	ND	ND	0.92	ND	0.38	1.3	0.032	0.047	0.88	0.970	19000	1.6	0.0039	>2419.6	11199	>2419.6	86	920.8	75	Open	1.56
9/1/2015	11:00:00	19.3	8.0	0.28	ND	ND	ND	ND	0.28	1.0	0.038	0.06	0.820	0.899	21000	3.3	0.0024	>2419.6	6488	866.4	86	410.6	68	Open	1.05
9/8/2015	10:40:00	17.4	8.2	0.24	ND	ND	ND	ND	0.24	0.24	ND	0.020	0.833	0.851	17000	1.4	0.0060	>2419.6	2723	387.3	121	1725.0	62	Closed	2.61
9/10/2015	10:40:00	17.8	8.3	0.28	ND	ND	ND	ND	0.28	0.28	0.030	0.021	1.17	2.13	13000	1.4	0.0082	1732.9	402	290.9	10	88.6	64	Closed	3.16
9/15/2015	10:40:00	16.6	8.1	0.32	ND	ND	ND	ND	0.32	0.32	0.037	0.035	2.15	2.20	3000	4.4	0.0049	>2419.6	12033	281.2	20	178.5	90	Closed	4.09
9/22/2015	11:10:00	19.1	8.2	0.21	ND	ND	0.21	ND	0.21	0.42	0.027	0.033	2.00	1.97	3400	1.2	0.0042	>2419.6	583	26.6	41	28.8	86	Closed	5.69
9/24/2015	8:50:00	18.0	8.1	ND	ND	ND	0.22	ND	ND	0.40	0.024	ND	1.75	1.85	3500	1.4	0.0031	>2419.6	1597	65.7	63	150.0	79	Closed	5.94
9/29/2015	11:00:00	18.5	8.2	0.24	ND	ND	ND	ND	0.24	0.24	0.026	0.060	1.75	2.13	3000	1.5	0.0051	648.8	285	6.3	<10	8.5	65	Closed	6.41
10/6/2015	9:30:00	19.4	7.8	0.21	ND	ND	0.24	ND	0.21	0.45	0.045	0.089	1.73	1.78	4300	1.5	0.0015	>2419.6	19863	11.0	<10	48.5	73	Open	2.27
10/13/2015	10:20:00	17.6	8.5	ND	ND	ND	ND	ND	ND	0.18	0.026	0.027	0.983	1.07	11000	1.4	0.0023	>2419.6	>2419.6	325.5	256	>2419.6	78	Closed	4.30

* Method Detection Limit - limits can vary for individual samples depending on matrix interference and dilution factors, all results are preliminary and subject to final revision.
** Total nitrogen is calculated through the summation of the different components of total nitrogen: organic and ammoniacal nitrogen (together referred to as Total Kjeldahl Nitrogen or TKN) and nitrate/nitrite nitrogen.
*** United States Geological Survey (USGS) Continuous-Record Gaging Station
**** Flow rates are preliminary and subject to final revision by USGS.

Recommended EPA Criteria based on Aggregate Ecoregion III

Total Phosphorus: 0.02188 mg/L (21.88 ug/L) = 0.022 mg/L
Total Nitrogen: 0.38 mg/L
Chlorophyll a : 0.00178 mg/L (1.78 ug/L) = 0.0018 mg/L
Turbidity: 2.34 FTU/NTU

CDPH Draft Guidance for Fresh Water Beaches - Single Sample Values:

Beach posting is recommended when indicator organisms exceed any of the following levels:
Total coliforms: 10,000 per 100 ml
E. coli: 235 per 100 ml
Enterococcus: 61 per 100 ml

Casini Ranch		Time	Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Ionized	Nitrate as N	Nitrite as N	Total Kjeldahl Nitrogen	Total Nitrogen**	Phosphorus, Total	Total Orthophosphate	Dissolved Organic Carbon	Total Organic Carbon	Total Dissolved Solids	Turbidity	Chlorophylla	Total Coliforms (Coliort)	Total Coliforms Diluted 1:10 (Coliort)	E. coli (Coliort)	E. coli Diluted 1:10 (Coliort)	Enterococcus (Enterolort)	USGS 11467000 RR near Guerneville (Hacienda)****	Estuary Status	Jenner Gauge (ft)
MDL*					0.200	0.10	0.00010	0.030	0.030	0.10		0.020	0.020	0.0400	0.0400	4.2	0.020	0.000050	20	20	20	2	2	Flow Rate****		
Date		°C			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	MPN/100m	MPN/100m	MPN/100m	MPN/100m	MPN/100m	(cfs)		
5/12/2015	10:20:00	20.1	8.3	ND	ND	ND	0.066	ND	ND	0.24	0.044	0.18	1.87	2.57	180	1.6	0.0015	547.5	677	5.2	<10	2.0	183	Open	1.77	
5/19/2015	10:50:00	20.4	8.3	0.24	ND	ND	0.21	ND	0.24	0.30	0.035	0.074	1.67	1.98	170	2.1	0.0013	816.4	749	22.8	10	5.2	179	Open	0.59	
5/26/2015	11:30:00	20.6	8.1	ND	ND	ND	0.051	ND	ND	0.23	0.036	0.082	1.64	1.97	160	2.2	0.0027	686.7	932	6.3	<10	8.5	155	Open	0.97	
6/2/2015	10:10:00	21.5	8.1	ND	ND	ND	0.14	ND	ND	0.32	0.040	0.099	1.67	2.18	170	2.0	0.0028	1299.7	1607	27.9	75	47.4	135	Closed	4.42	
6/4/2015	10:30:00	21.2	8.4	0.21	ND	ND	0.053	ND	0.21	0.26	0.044	0.095	1.42	1.93	170	2.1	0.0024	1553.1	1720	47.1	98	35.5	127	Closed	5.14	
6/9/2015	11:10:00	22.8	8.3	ND	ND	ND	ND	0.051	ND	0.19	0.036	0.091	1.57	2.04	160	1.1	0.0016	1732.9	1354	43.5	31	25.6	124	Closed	6.45	
6/16/2015	9:30:00	22.3	7.9	0.28	ND	ND	0.053	ND	0.28	0.33	0.047	0.14	1.76	2.28	170	1.3	0.00082	>2419.6	2489	8.4	<10	2.0	117	Open	0.84	
6/23/2015	10:50:00	22.2	7.9	0.21	ND	ND	0.040	ND	0.21	0.25	0.042	0.10	1.78	2.30	160	0.85	0.0021	2419.6	2014	6.3	10	7.3	106	Open	0.76	
6/30/2015	10:20:00	23.6	8.0	0.28	ND	ND	0.044	ND	0.28	0.32	0.038	0.085	1.72	2.20	160	1.4	0.0012	>2419.6	7270	15.8	31	7.4	105	Open	0.84	
7/7/2015	9:50:00	23.1	8.5	ND	ND	ND	ND	ND	ND	0.18	0.040	0.093	1.77	2.28	150	0.66	0.0014	>2419.6	11199	7.4	10	2.0	72	Open	0.76	
7/14/2015	10:30:00	24.0	7.9	ND	ND	ND	ND	ND	ND	0.18	0.035	ND	1.50	2.00	140	0.65	0.0013	2419.6	1860	8.4	<10	16.0	77	Open	1.01	
7/21/2015	10:10:00	24.8	8.2	0.28	ND	ND	ND	ND	0.28	0.28	0.046	0.10	1.48	2.06	140	0.66	0.0012	2419.6	1421	4.1	20	3.1	86	Open	0.80	
7/28/2015	9:30:00	23.4	8.2	ND	ND	ND	0.049	ND	ND	0.19	0.038	0.070	1.53	2.07	120	1.0	0.0009	1119.9	960	5.1	20	9.6	66	Open	1.18	
8/4/2015	10:00:00	22.7	7.7	0.24	ND	ND	ND	ND	ND	0.24	0.029	0.083	1.58	2.06	140	1.0	0.0014	770.1	809	4.1	10	1.0	103	Open	0.67	
8/11/2015	10:00:00	23.1	7.9	ND	ND	ND	ND	ND	ND	0.18	0.028	0.052	1.59	2.08	92	0.75	0.00064	1299.7	1100	6.2	<10	4.1	86	Open	1.18	
8/18/2015	9:50:00	22.3	8.0	0.21	ND	ND	0.076	ND	0.21	0.29	0.031	0.049	1.62	2.06	140	1.4	0.00074	1119.9	767	5.2	<10	2.0	89	Open	0.63	
8/25/2015	9:45:00	21.3	8.1	0.21	ND	ND	ND	ND	0.21	0.25	0.036	0.051	1.58	2.33	140	0.67	0.00094	816.4	851	14.6	10	3.1	75	Open	1.56	
9/1/2015	11:30:00	23.5	7.9	ND	ND	ND	ND	ND	0.21	0.27	0.027	0.078	1.67	2.27	140	0.78	0.0012	816.4	689	8.6	<10	2.0	68	Open	1.05	
9/8/2015	11:00:00	21.5	8.1	ND	ND	ND	ND	ND	ND	0.18	ND	0.043	1.65	2.23	79	0.98	0.00096	920.8	884	7.4	10	41.0	62	Closed	2.61	
9/10/2015	11:00:00	21.7	8.1	0.21	ND	ND	ND	ND	0.21	0.21	0.021	0.049	1.69	1.68	130	0.92	0.0011	980.4	620	13.4	20	3.1	64	Closed	3.16	
9/15/2015	11:00:00	21.2	8.0	ND	ND	ND	ND	ND	ND	0.18	0.028	0.047	2.11	2.30	150	1.0	0.0019	1413.6	1664	38.4	75	60.2	90	Closed	4.09	
9/22/2015	11:40:00	21.7	8.0	ND	ND	ND	ND	ND	ND	0.18	0.021	0.049	1.51	2.07	140	1.0	0.0019	1413.6	1354	42.2	63	45.0	86	Closed	5.69	
9/24/2015	9:20:00	20.0	8.0	ND	ND	ND	ND	ND	ND	0.14	0.024	0.046	1.74	2.02	140	1.1	0.0015	1986.3	1956	60.2	63	79.4	79	Closed	5.94	
9/29/2015	11:20:00	20.1	8.1	ND	ND	ND	ND	ND	ND	0.18	ND	0.048	1.86	2.23	140	1.2	0.0021	1119.9	1314	42.0	75	82.0	65	Closed	6.41	
10/6/2015	10:00:00	19.4	7.8	ND	ND	ND	0.041	ND	ND	0.15	0.032	0.070	1.84	2.13	150	0.84	0.0013	547.5	512	14.5	20	6.3	73	Open	2.27	
10/13/2015	10:40:00	20.0	7.9	ND	ND	ND	ND	ND	ND	ND	0.031	0.090	1.73	1.99	140	1.5	0.00071	1986.3	2143	28.1	74	58.1	78	Closed	4.30	

* Method Detection Limit - limits can vary for individual samples depending on matrix interference and dilution factors, all results are preliminary and subject to final revision.
** Total nitrogen is calculated through the summation of the different components of total nitrogen: organic and ammoniacal nitrogen (together referred to as Total Kjeldahl Nitrogen or TKN) and nitrate/nitrite nitrogen.
*** United States Geological Survey (USGS) Continuous-Record Gaging Station
**** Flow rates are preliminary and subject to final revision by USGS.

Recommended EPA Criteria based on Aggregate Ecoregion III
Total Phosphorus: 0.02188 mg/L (21.88 ug/L) = 0.022 mg/L
Total Nitrogen: 0.38 mg/L
Chlorophyll a : 0.00178 mg/L (1.78 ug/L) = 0.0018 mg/L
Turbidity: 2.34 FTU/NTU

CDPH Draft Guidance for Fresh Water Beaches - Single Sample Values:
Beach posting is recommended when indicator organisms exceed any of the following levels:
Total coliforms: 10,000 per 100 ml
E. coli: 235 per 100 ml
Enterococcus: 61 per 100 ml

Patterson Point	Time	Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Ionized	Nitrate as N	Nitrite as N	Total Kjeldahl Nitrogen	Total Nitrogen**	Phosphorus, Total	Total Orthophosphate	Dissolved Organic Carbon	Total Organic Carbon	Total Dissolved Solids	Turbidity	Chlorophylla	Total Coliforms (Coliort)	Total Coliforms Diluted 1:10 (Coliort)	E. coli (Coliort)	E. coli Diluted 1:10 (Coliort)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)***	Estuary Status	Jenner Gauge (ft)
MDL*				0.200	0.10	0.00010	0.030	0.030	0.10	0.020	0.020	0.0400	0.0400	4.2	0.020	0.000050	20	20	20	2	2	2	Flow Rate****		
Date		°C		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	MPN/100m	MPN/100m	MPN/100m	MPN/100m	MPN/100m	MPN/100m	(cfs)		
5/12/2015	10:40:00	19.5	8.2	0.28	ND	ND	0.075	ND	0.28	0.36	0.040	0.085	1.82	2.50	170	2.3	0.0011	770.1	521	4.1	10	3.1	183	Open	1.77
5/19/2015	11:20:00	20.0	8.2	0.21	ND	ND	0.054	ND	0.21	0.26	0.031	0.066	1.71	1.82	170	0.82	0.00083	547.5	512	14.8	20	6.3	179	Open	0.59
5/26/2015	12:00:00	20.6	8.0	0.21	ND	ND	0.051	ND	0.21	0.26	0.034	0.078	1.67	2.04	160	1.5	0.0019	770.1	1050	14.6	10	7.3	155	Open	0.97
6/2/2015	10:40:00	20.3	8.0	ND	ND	ND	ND	ND	ND	0.18	0.035	0.084	1.68	2.13	170	1.5	0.0016	1046.2	906	26.2	10	32.7	135	Closed	4.42
6/4/2015	10:50:00	21.0	8.2	ND	ND	ND	0.051	ND	0.23	0.23	0.043	0.11	1.63	2.19	170	1.6	0.0010	1299.7	1674	32.7	10	49.6	127	Closed	5.14
6/9/2015	11:30:00	23.6	8.2	0.21	ND	ND	0.14	0.048	0.21	0.40	0.036	0.091	1.60	2.08	160	1.3	0.00082	1732.9	2481	36.9	41	22.8	124	Closed	6.45
6/16/2015	10:00:00	22.5	7.9	0.24	ND	ND	0.058	ND	0.24	0.30	0.064	0.15	1.78	2.49	160	1.2	0.00082	>2419.6	4352	20.1	30	20.0	117	Open	0.84
6/23/2015	11:10:00	22.7	7.9	0.35	ND	ND	ND	ND	0.35	0.35	0.038	0.099	1.75	2.25	160	1.6	0.0021	2419.6	1722	5.2	<10	18.7	106	Open	0.76
6/30/2015	10:50:00	23.5	7.8	ND	ND	ND	0.045	ND	0.22	0.22	0.041	0.081	1.66	2.20	160	1.2	0.0018	1553.1	2603	39.9	20	16.9	105	Open	0.84
7/7/2015	10:10:00	23.7	8.1	0.24	ND	ND	ND	ND	0.24	0.24	0.045	0.085	1.73	2.31	160	1.2	0.0022	>2419.6	2909	12.2	41	14.1	72	Open	0.76
7/14/2015	11:00:00	23.8	7.7	0.21	ND	ND	0.049	ND	0.21	0.26	0.039	0.031	1.39	1.92	150	1.6	0.0014	1986.3	1904	37.3	31	42.5	77	Open	1.01
7/21/2015	10:30:00	24.8	7.9	0.28	ND	ND	ND	ND	0.28	0.28	0.041	0.092	1.40	1.94	140	1.6	0.00094	1986.3	2143	6.3	10	4.1	86	Open	0.80
7/28/2015	9:50:00	24.1	7.8	0.21	ND	ND	ND	ND	0.21	0.21	0.036	0.053	1.49	1.91	140	1.8	0.0016	1046.2	1872	52.0	52	6.3	66	Open	1.18
8/4/2015	10:30:00	23.5	7.9	ND	ND	ND	ND	ND	0.18	0.18	0.031	0.088	1.42	1.99	150	2.9	0.00091	1553.1	2187	5.2	10	12.8	103	Open	0.67
8/11/2015	10:30:00	23.2	7.8	ND	ND	ND	ND	ND	0.14	0.23	0.048	0.152	1.98	1.30	0.88	0.0013	1553.1	2143	6.3	<10	3.1	86	Open	1.18	
8/18/2015	10:10:00	23.2	7.8	ND	ND	ND	0.071	ND	0.25	0.30	0.057	0.155	1.98	1.40	1.5	0.00050	1553.1	2046	4.1	10	7.4	89	Open	0.63	
8/25/2015	10:05:00	22.1	7.9	0.24	ND	ND	ND	ND	0.24	0.24	0.029	0.047	1.51	2.01	150	1.3	0.00094	920.8	1145	17.5	<10	19.9	75	Open	1.56
9/1/2015	12:00:00	23.5	7.9	ND	ND	ND	ND	ND	0.070	0.070	0.025	0.060	1.56	2.14	150	1.5	0.0011	472.1	1081	8.6	20	—	68	Open	1.05
9/8/2015	11:30:00	21.9	8.0	0.21	ND	ND	ND	ND	0.21	0.21	ND	0.039	1.62	2.13	120	1.4	0.00068	770.1	749	5.2	31	10.0	62	Closed	2.61
9/10/2015	11:30:00	22.1	8.0	ND	ND	ND	ND	ND	0.18	0.29	0.037	0.154	2.12	130	1.2	0.0016	866.4	1198	9.0	<10	8.4	64	Closed	3.16	
9/15/2015	11:30:00	20.8	7.8	ND	ND	ND	ND	ND	0.14	0.28	0.055	0.174	2.29	150	1.3	0.0019	2419.6	2046	69.1	74	26.5	90	Closed	4.09	
9/22/2015	12:05:00	21.0	7.8	ND	ND	ND	ND	ND	0.18	0.23	0.06	0.174	2.00	140	1.2	0.0013	1299.7	1333	96.0	98	95.9	86	Closed	5.69	
9/24/2015	9:50:00	20.4	7.9	0.21	ND	ND	ND	ND	0.21	0.21	0.022	0.037	1.53	2.07	150	0.58	0.00093	1553.1	1860	63.7	85	93.3	79	Closed	5.94
9/29/2015	11:40:00	19.8	7.7	ND	ND	ND	ND	ND	0.14	0.22	0.048	0.149	2.03	140	0.99	0.0015	613.1	1236	42.0	20	62.0	65	Closed	6.41	
10/6/2015	10:20:00	20.0	7.7	ND	ND	ND	0.046	ND	0.15	0.36	0.082	0.146	2.00	150	1.0	0.00087	816.4	813	14.5	20	27.5	73	Open	2.27	
10/13/2015	11:00:00	19.3	7.8	ND	ND	ND	ND	ND	0.10	0.36	0.082	0.138	2.01	130	1.4	0.0011	1203.3	1291	68.3	331	59.4	78	Closed	4.30	

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Total Nitrogen: 0.38 mg/L
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Turbidity: 2.34 FTU/NTU

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Enterococcus: 61 per 100 ml

Monte Rio	Time	Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N (Ionized)	Nitrate as N	Nitrite as N	Total Kjeldahl Nitrogen	Total Nitrogen**	Phosphorus, Total	Total Orthophosphate	Dissolved Organic Carbon	Total Organic Carbon	Total Dissolved Solids	Turbidity	Chlorophylla	Total Coliforms (Coliort)	Total Coliforms Diluted 1:10 (Coliort)	E. coli (Coliort)	E. coli Diluted 1:10 (Coliort)	Enterococcus (Enterolort)	USGS 11467000 RR near Guerneville (Hacienda)****	Estuary Status	Jenner Gauge (ft)
MDL*				0.200	0.10	0.00010	0.030	0.030	0.10	0.020	0.020	0.0400	0.0400	4.2	0.020	0.000050	20	20	20	2	2	Flow Rate****			
Date		°C		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	MPN/100m	MPN/100m	MPN/100m	MPN/100m	MPN/100m	(cfs)			
5/12/2015	11:10:00	19.5	8.1	0.21	ND	ND	0.071	ND	0.21	0.28	0.040	0.089	1.82	2.35	170	1.8	0.0014	727	880	8.5	20	5.2	183	Open	1.77
5/19/2015	11:40:00	20.1	8.2	ND	ND	ND	0.053	ND	0.23	0.028	0.062	0.159	1.93	180	1.0	0.0012	920.8	697	14.6	<10	1.0	179	Open	0.59	
5/26/2015	12:30:00	20.8	8.0	0.24	ND	ND	0.051	ND	0.24	0.30	0.035	0.086	1.64	2.00	160	1.2	0.0019	686.7	1145	13.4	10	3.0	155	Open	0.97
6/2/2015	11:00:00	20.4	8.1	0.24	ND	ND	ND	ND	0.24	0.24	0.035	0.080	1.60	2.07	180	1.6	0.0010	866.4	1274	22.8	10	6.3	135	Closed	4.42
6/4/2015	11:10:00	21.3	8.2	ND	ND	ND	0.050	ND	0.19	0.041	0.080	1.62	2.18	170	1.9	0.00028	913.9	2181	67.6	110	45.7	127	Closed	5.14	
6/9/2015	11:50:00	23.7	8.1	ND	ND	ND	0.14	0.048	ND	0.36	0.038	0.091	1.55	2.08	160	0.77	0.0011	>2419.6	2613	76.7	121	48.7	124	Closed	6.45
6/16/2015	10:20:00	22.4	7.8	0.32	ND	ND	0.054	ND	0.32	0.37	0.050	0.150	1.73	2.41	180	1.5	0.00070	>2419.6	5172	43.5	20	37.3	117	Open	0.84
6/23/2015	11:30:00	23.2	7.9	0.28	ND	ND	0.040	ND	0.28	0.32	0.036	0.110	1.75	2.28	160	2.2	0.0023	1732.9	3448	31.3	20	13.1	106	Open	0.76
6/30/2015	11:20:00	24.5	7.9	ND	ND	ND	0.043	ND	0.22	0.032	0.064	1.68	2.20	160	1.2	0.0012	1046.2	1607	20.1	10	4.1	105	Open	0.84	
7/7/2015	10:30:00	23.6	8.0	0.21	ND	ND	ND	ND	0.21	0.21	0.038	0.080	1.87	2.32	150	1.3	0.0025	1553.1	2909	18.1	98	17.4	72	Open	0.76
7/14/2015	11:30:00	23.6	7.7	0.28	ND	ND	ND	ND	0.28	0.28	0.034	ND	1.41	1.91	140	2.2	0.0015	1732.9	2909	13.1	<10	36.8	77	Open	1.01
7/21/2015	10:50:00	25.0	7.8	0.21	ND	ND	ND	ND	0.21	0.21	0.040	0.064	1.42	1.89	130	1.3	0.0019	1413.6	2187	6.3	41	3.0	86	Open	0.80
7/28/2015	10:10:00	23.7	7.8	0.24	ND	ND	ND	ND	0.24	0.24	0.032	0.048	1.44	1.89	140	2.2	0.0014	1553.1	1597	12.0	20	22.8	66	Open	1.18
8/4/2015	10:50:00	23.9	7.8	ND	ND	ND	ND	ND	0.18	0.18	0.030	0.083	1.49	2.01	150	1.9	0.0011	1986.3	1670	9.8	10	20.6	103	Open	0.67
8/11/2015	10:50:00	23.5	7.9	ND	ND	ND	ND	ND	0.18	0.18	0.026	0.036	1.54	2.00	120	0.88	0.0010	1299.7	1223	2.1	<10	6.2	86	Open	1.18
8/18/2015	10:30:00	23.8	7.9	ND	ND	ND	0.072	ND	0.25	0.028	0.049	1.58	1.97	150	1.6	0.00074	1986.3	1421	14.6	20	5.2	89	Open	0.63	
8/25/2015	10:25:00	22.0	7.8	ND	ND	ND	ND	ND	0.17	0.024	0.047	1.49	1.97	140	1.1	0.0020	1119.9	1119	5.2	<10	5.2	75	Open	1.56	
9/1/2015	12:20:00	23.5	7.7	ND	ND	ND	ND	ND	0.18	0.022	0.048	1.54	2.13	130	0.70	0.0011	980.4	882	3.1	<10	2.0	68	Open	1.05	
9/8/2015	11:50:00	21.8	7.8	0.21	ND	ND	ND	ND	0.21	0.21	ND	0.031	1.59	2.18	120	1.7	0.0014	920.8	959	7.3	20	41.0	62	Closed	2.61
9/10/2015	12:00:00	21.6	7.8	ND	ND	ND	ND	ND	0.18	0.025	0.045	1.53	1.93	150	0.77	0.0011	727.0	1198	7.5	<10	3.0	64	Closed	3.16	
9/15/2015	11:50:00	20.2	7.5	ND	ND	ND	ND	ND	0.18	0.022	0.043	1.64	2.26	140	1.4	0.0014	1046.2	1450	6.2	<10	7.4	90	Closed	4.09	
9/22/2015	12:30:00	21.4	7.8	ND	ND	ND	ND	ND	0.18	ND	0.049	1.84	2.02	140	0.79	0.00080	1986.3	1374	58.3	62	98.7	86	Closed	5.69	
9/24/2015	10:10:00	20.3	7.6	ND	ND	ND	ND	ND	0.14	0.020	0.037	1.46	1.99	140	0.73	0.00053	1986.3	1515	70.6	63	93.3	79	Closed	5.94	
9/29/2015	12:00:00	20.4	7.9	ND	ND	ND	ND	ND	0.10	0.020	0.040	1.43	1.99	140	1.3	0.0011	2419.6	1439	307.6	110	98.8	65	Closed	6.41	
10/1/2015	12:40:00	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	913.9	1932	97.7	41	80.5	59	Closed	6.53
10/6/2015	10:40:00	19.6	7.6	ND	ND	ND	0.050	ND	0.12	0.037	0.089	1.45	1.98	140	1.2	0.00087	1203.3	1376	15.8	<10	27.5	73	Open	2.27	
10/13/2015	11:20:00	19.4	7.8	ND	ND	ND	ND	ND	0.14	0.042	0.090	1.40	1.94	130	1.9	0.0014	980.4	624	12.1	<10	11.0	78	Closed	4.30	

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Turbidity: 2.34 FTU/NTU

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Enterococcus: 61 per 100 ml

Vacation Beach	Time	Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N (ionized)	Nitrate as N	Nitrite as N	Total Kjeldahl Nitrogen	Total Nitrogen**	Phosphorus, Total	Total Orthophosphate	Dissolved Organic Carbon	Total Organic Carbon	Total Dissolved Solids	Turbidity	Chlorophyll a	Total Coliforms (Coliort)	Total Coliforms Diluted 1:10 (Coliort)	E. coli (Coliort)	E. coli Diluted 1:10 (Coliort)	Enterococcus (Enterolort)	USGS 11467000 RR near Guerneville (Hacienda)****	Estuary Status	Jenner Gauge (ft)
MDL*				0.200	0.10	0.00010	0.030	0.030	0.10	0.020	0.020	0.0400	0.0400	4.2	0.020	0.000050	20	20	20	2	2	Flow Rate****			
Date		°C		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	NTU	mg/L	MPN/100m	MPN/100m	MPN/100m	MPN/100m	MPN/100m	(cfs)			
5/12/2015	11:20:00	19.5	8.2	0.21	ND	ND	0.076	ND	0.21	0.29	0.033	0.062	1.84	2.23	220	1.8	0.0015	722	789	12.1	10	<1.0	183	Open	1.77
5/19/2015	12:00:00	20.2	8.2	ND	ND	ND	0.053	ND	0.23	0.23	0.028	0.062	1.65	1.91	170	0.96	0.0018	727.0	697	7.5	10	13.0	179	Open	0.59
5/26/2015	12:50:00	21.1	8.1	0.21	ND	ND	0.052	ND	0.21	0.26	0.032	0.078	1.65	2.01	160	1.0	0.0017	613.1	1019	10.9	10	8.6	155	Open	0.97
6/2/2015	11:20:00	20.8	8.2	0.24	ND	ND	ND	ND	0.24	0.24	0.029	0.080	1.63	2.10	170	1.3	0.0010	920.8	1314	21.8	10	16.1	135	Closed	4.42
6/4/2015	11:30:00	21.2	8.2	0.24	ND	ND	0.051	ND	0.24	0.30	0.036	0.084	1.61	2.18	170	2.0	0.0013	866.4	1935	27.2	10	21.3	127	Closed	5.14
6/9/2015	12:20:00	23.7	8.1	ND	ND	ND	0.14	0.047	ND	0.36	0.036	0.087	1.53	2.07	160	1.2	0.00082	1208.3	1565	10.9	10	30.8	124	Closed	6.45
6/16/2015	10:30:00	22.9	8.9	0.42	ND	ND	0.052	ND	0.42	0.47	0.041	0.11	1.81	2.43	170	1.8	0.0015	2419.6	5475	45.0	41	73.3	117	Open	0.84
6/23/2015	11:50:00	23.1	7.9	0.21	ND	ND	0.040	ND	0.21	0.25	0.034	0.075	1.80	2.28	160	1.7	0.0031	>2419.6	19863	41.4	<10	54.6	106	Open	0.76
6/30/2015	11:40:00	24.6	7.9	ND	ND	ND	0.043	ND	ND	0.22	0.032	0.064	1.70	2.18	160	1.2	0.0019	>2419.6	11199	21.8	41	22.6	105	Open	0.84
7/7/2015	10:40:00	24.0	8.0	0.21	ND	ND	ND	ND	0.21	0.21	0.042	0.050	1.86	2.43	140	1.7	0.0034	>2419.6	5475	14.6	30	52.1	72	Open	0.76
7/14/2015	11:40:00	23.7	7.8	0.24	ND	ND	ND	ND	0.24	0.24	0.037	ND	1.45	1.91	160	1.9	0.0024	2419.6	2481	24.6	10	14.6	77	Open	1.01
7/21/2015	11:00:00	25.2	7.8	ND	ND	ND	ND	ND	ND	0.14	0.037	0.060	1.47	1.88	140	1.3	0.0028	>2419.6	3448	63.7	98	47.1	86	Open	0.80
7/28/2015	10:30:00	24.5	8.0	0.24	ND	ND	0.049	ND	0.24	0.29	0.029	0.040	1.49	1.88	140	1.7	0.0016	>2419.6	2481	17.3	20	204.6	66	Open	1.18
8/4/2015	11:00:00	24.1	7.9	0.21	ND	ND	ND	ND	0.21	0.21	0.023	0.053	1.58	2.01	140	1.7	0.0016	>2419.6	4106	9.6	10	38.9	103	Open	0.67
8/11/2015	11:10:00	23.7	7.9	0.28	ND	ND	ND	ND	0.28	0.28	0.020	0.024	1.59	2.06	120	1.1	0.0010	2419.6	1860	2.0	<10	16.0	86	Open	1.18
8/18/2015	10:50:00	23.9	7.9	ND	ND	ND	0.074	ND	ND	0.25	0.026	0.033	1.60	2.02	130	1.0	0.0020	1732.9	2755	23.1	<10	45	89	Open	0.63
8/25/2015	10:40:00	22.3	7.9	0.21	ND	ND	ND	ND	0.21	0.25	0.023	0.039	1.55	2.11	140	1.1	0.0023	1413.6	1624	8.3	<10	9.5	75	Open	1.56
9/1/2015	12:40:00	23.9	7.9	0.21	ND	ND	ND	ND	0.21	0.21	ND	0.040	1.61	2.16	140	1.0	0.0020	1986.3	1872	4.1	10	6.3	68	Open	1.05
9/8/2015	12:10:00	21.9	7.9	0.28	ND	ND	ND	ND	0.28	0.28	ND	0.031	1.60	2.23	110	1.1	0.0015	1986.3	1723	1.0	10	63.0	62	Closed	2.61
9/10/2015	12:10:00	22.0	7.9	ND	ND	ND	ND	ND	ND	ND	0.021	0.029	1.54	1.77	140	1.1	0.0019	1732.9	2755	10.9	10	8.6	64	Closed	3.16
9/15/2015	12:00:00	20.8	7.7	ND	ND	ND	ND	ND	ND	0.18	0.024	0.027	1.67	2.25	150	0.99	0.0015	2419.6	1785	48.7	41	20.1	90	Closed	4.09
9/22/2015	12:40:00	21.0	7.6	ND	ND	ND	ND	ND	ND	0.18	0.024	0.049	1.47	2.03	140	2.4	0.00080	1203.3	1081	30.5	52	16.0	86	Closed	5.69
9/24/2015	10:20:00	20.1	7.5	ND	ND	ND	ND	ND	ND	0.14	0.028	0.050	1.35	1.82	140	1.4	0.00080	960.6	1187	51.2	73	76.7	79	Closed	5.94
9/29/2015	12:10:00	19.9	7.6	ND	ND	ND	ND	ND	ND	0.10	0.024	0.052	1.42	2.04	150	2.3	0.0016	1299.7	1670	114.5	146	228.2	65	Closed	6.41
10/1/2015	10:50:00	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	>2419.6	>2419.6	>2419.6	7270	>2419.6	59	Closed	6.53
10/6/2015	11:00:00	19.5	7.6	ND	ND	ND	0.041	ND	ND	0.15	0.021	0.031	1.43	2.07	140	2.4	0.0016	980.4	1198	44.1	108	42.2	73	Open	2.27
10/13/2015	11:40:00	19.6	7.8	ND	ND	ND	ND	ND	ND	0.10	0.023	0.035	1.29	1.84	140	1.7	0.0013	980.4	1211	45.9	109	85.5	78	Closed	4.30

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