

Appendix F

Table 1: Single Sample Analysis

	Time Period Analyzed	Constituent	Average	Median	Max	Min	Standard Deviation	Exceedance Count	Total Count	Exceed %
County Line Beach	January 2003 - July 2007	Total Coliform	283.45	20.00	17329.00	10.00	1667.39	2	223	0.90%
		Fecal Colifom	17.25	10.00	805.00	10.00	54.67	1	223	0.45%
		<i>enterococcus</i>	23.82	10.00	2005.00	10.00	134.99	5	223	2.24%
		Fecal to Coliform	0.58	0.50	1.00	0.00	0.40	1	223	0.45%
		Exceedance Day	N/A	N/A	N/A	N/A	N/A	5	223	2.24%
Dockweiler Beach Weekly (Wednesday) Sampling	January 2005 - July 2007	Total Coliform	283.45	20.00	17329.00	10.00	1667.39	2	223	0.90%
		Fecal Colifom	397.84	67.00	13000.00	67.00	1394.00	21	188	11.17%
		<i>enterococcus</i>	146.95	10.00	2000.00	9.00	423.67	28	188	14.89%
		Fecal to Coliform	0.29	0.12	1.00	0.01	0.35	14	188	7.45%
		Exceedance Day	N/A	N/A	N/A	N/A	N/A	51	188	27.13%
Dockweiler Beach 5 Day per Week Sampling	January 2005 - July 2007	Total Coliform	4058.79	1200.00	13000.00	67.00	4976.39	204	967	21.10%
		Fecal Colifom	504.11	67.00	13000.00	67.00	1733.26	139	967	14.37%
		<i>enterococcus</i>	172.40	20.00	13000.00	9.00	599.04	168	967	17.37%
		Fecal to Coliform	0.58	0.50	1.00	0.00	0.40	1	223	0.45%
		Exceedance Day	N/A	N/A	N/A	N/A	N/A	288	967	29.78%
Leo Carillo Beach	January 2005 - February 2009	Total Coliform	1102.66	36.00	24196.00	10.00	3396.73	5	208	2.40%
		Fecal Colifom	25.35	10.00	183.00	10.00	36.23	0	104	0.00%
		<i>enterococcus</i>	81.49	10.00	5475.00	10.00	399.83	23	208	11.06%
		Fecal to Coliform	0.63	1.00	1.00	0.00	0.42	0	104	0.00%
		Exceedance Day	N/A	N/A	N/A	N/A	N/A	27	208	12.98%
Long Beach - Mother's Beach	January 2005 - July 2007	Total Coliform	3444.50	458.50	24192.00	10.00	7243.03	19	156	12.18%
		Fecal Colifom	1381.97	111.00	24192.00	10.00	4353.07	41	156	26.28%
		<i>enterococcus</i>	196.51	20.00	2005.00	10.00	490.10	26	140	18.57%
		Fecal to Coliform	0.58	0.50	1.00	0.00	0.40	1	223	0.45%
		Exceedance Day	N/A	N/A	N/A	N/A	N/A	50	156	32.05%
Surfers Knoll	January 2003 - July 2007	Total Coliform	1454.96	120.00	24192.00	10.00	4128.06	9	229	3.93%
		Fecal Colifom	63.33	10.00	4541.00	10.00	368.98	4	229	1.75%
		<i>enterococcus</i>	42.80	10.00	2005.00	10.00	164.14	13	229	5.68%
		Fecal to Coliform	0.58	0.50	1.00	0.00	0.40	1	223	0.45%
		Exceedance Day	N/A	N/A	N/A	N/A	N/A	19	229	8.30%
Surfers Point	January 2005 - July 2007	Total Coliform	2317.92	605.00	24192.00	10.00	4921.47	13	227	5.73%
		Fecal Colifom	88.57	20.00	4352.00	10.00	349.03	8	227	3.52%
		<i>enterococcus</i>	54.34	10.00	2005.00	10.00	226.87	12	227	5.29%
		Fecal to Coliform	0.58	0.50	1.00	0.00	0.40	1	223	0.45%
		Exceedance Day	N/A	N/A	N/A	N/A	N/A	18	227	7.93%

Table 2: Calendar Month Geometric Mean (No Qualifier)

	Time Period Analyzed	Constituent	Average	Median	Max	Min	Standard Deviation	Exceedance Count	Total Count	Exceed %
County Line Beach	January 2003 - July 2007	Total Coliform	95.61	31.77	2675.23	10.00	360.50	1	54	1.85%
		Fecal Colifom	12.27	10.00	24.80	10.00	3.81	0	54	0.00%
		<i>enterococcus</i>	12.49	10.00	37.01	10.00	5.25	1	54	1.85%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	1	54	1.85%
Dockweiler Beach Weekly (Wednesday) Sampling	January 2005 - July 2007	Total Coliform	2040.10	735.51	9915.64	67.00	2465.12	20	49	40.82%
		Fecal Colifom	136.13	96.13	569.06	67.00	99.83	7	49	14.29%
		<i>enterococcus</i>	55.35	25.57	522.11	10.00	92.56	15	49	30.61%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	28	49	57.14%
Dockweiler Beach 5 Day per Week Sampling	January 2005 - July 2007	Total Coliform	1899.38	956.13	7915.38	67.00	1897.01	24	49	48.98%
		Fecal Colifom	145.35	101.71	513.47	67.00	105.82	6	49	12.24%
		<i>enterococcus</i>	48.29	23.75	396.35	10.00	68.69	14	49	28.57%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	29	49	59.18%
Leo Carillo Beach	January 2005 - February 2009	Total Coliform	355.43	31.44	3267.06	10.00	728.81	5	48	10.42%
		Fecal Colifom	17.49	13.27	45.21	10.00	9.72	0	25	0.00%
		<i>enterococcus</i>	33.54	13.27	517.60	10.00	76.09	9	48	18.75%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	10	48	20.83%
Long Beach - Mother's Beach	January 2005 - July 2007	Total Coliform	848.11	586.78	3342.85	83.06	827.51	9	30	30.00%
		Fecal Colifom	171.25	130.91	686.29	11.40	164.39	9	30	30.00%
		<i>enterococcus</i>	38.84	27.88	113.73	10.00	27.16	12	30	40.00%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	19	30	63.33%
Surfers Knoll	January 2003 - July 2007	Total Coliform	600.64	111.01	7342.82	17.46	1306.76	8	53	15.09%
		Fecal Colifom	21.83	14.23	114.28	10.00	21.69	0	53	0.00%
		<i>enterococcus</i>	18.95	12.54	68.87	10.00	13.68	5	53	9.43%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	10	53	18.87%
Surfers Point	January 2005 - July 2007	Total Coliform	1254.88	604.02	21920.90	69.74	2983.94	19	53	35.85%
		Fecal Colifom	37.69	20.85	330.10	10.00	48.43	1	53	1.89%
		<i>enterococcus</i>	26.24	14.40	445.53	10.00	59.81	5	53	9.43%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	21	53	39.62%

Table 3: Rolling 30-day Geometric Mean (5 Samples or Greater and Daily Calculation)

	Time Period Analyzed	Constituent	Average	Median	Max	Min	Standard Deviation	Exceedance Count	Total Count	Exceed %
County Line Beach	January 2003 - July 2007	Total Coliform	53.75	33.66	488.02	10.00	62.69	0	411	0.00%
		Fecal Colifom	13.19	11.49	49.91	10.00	5.55	0	411	0.00%
		<i>enterococcus</i>	13.04	10.00	32.27	10.00	5.48	0	411	0.00%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	0	411	0.00%
Dockweiler Beach Weekly (Wednesday) Sampling	January 2005 - July 2007	Total Coliform	2039.46	819.01	13000.00	181.72	2614.65	110	252	43.65%
		Fecal Colifom	127.18	96.13	633.35	67.00	86.90	30	252	11.90%
		<i>enterococcus</i>	30.74	19.25	237.28	9.79	30.27	72	252	28.57%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	148	252	58.73%
Dockweiler Beach 5 Day per Week Sampling	January 2005 - July 2007	Total Coliform	1873.17	1094.13	13000.00	76.50	1820.55	770	1469	52.42%
		Fecal Colifom	144.77	102.53	1011.26	67.00	118.32	216	1469	14.70%
		<i>enterococcus</i>	42.72	23.24	396.35	10.00	52.10	442	1469	30.09%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	904	1489	60.71%
Leo Carillo Beach	January 2005 - February 2009	Total Coliform	738.26	101.26	5575.39	10.00	1037.86	139	474	29.32%
		Fecal Colifom	18.56	16.63	49.89	10.00	7.91	0	215	0.00%
		<i>enterococcus</i>	34.29	16.80	339.68	10.00	38.35	141	474	29.75%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	332	1466	22.65%
Long Beach - Mother's Beach	January 2005 - July 2007	Total Coliform	1003.43	735.25	5397.05	72.51	840.92	155	428	36.21%
		Fecal Colifom	236.08	192.59	1320.74	11.11	197.19	210	428	49.07%
		<i>enterococcus</i>	43.57	33.90	126.19	10.00	26.96	168	342	49.12%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	483	875	55.20%
Surfers Knoll	January 2003 - July 2007	Total Coliform	999.18	208.99	8453.26	11.49	1825.27	133	529	25.14%
		Fecal Colifom	25.27	17.50	114.28	10.00	19.31	0	529	0.00%
		<i>enterococcus</i>	21.98	15.82	72.53	10.00	15.80	69	529	13.04%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	284	1570	18.09%
Surfers Point	January 2005 - July 2007	Total Coliform	1050.16	889.69	4983.75	64.11	847.63	217	492	44.11%
		Fecal Colifom	35.97	27.98	207.95	10.00	24.34	2	492	0.41%
		<i>enterococcus</i>	19.88	16.03	131.82	10.00	12.70	38	492	7.72%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	567	1577	35.95%

Table 4: Rolling 30-day Geometric Mean (No Qualifier)

	Time Period Analyzed	Constituent	Average	Median	Max	Min	Standard Deviation	Exceedance Count	Total Count	Exceed %
County Line Beach	January 2003 - July 2007	Total Coliform	145.74	30.87	17329.00	10.00	1155.25	21	1606	1.31%
		Fecal Colifom	12.22	10.00	49.91	10.00	4.07	0	1606	0.00%
		<i>enterococcus</i>	12.97	10.00	137.00	10.00	9.86	38	1606	2.37%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	38	1606	2.37%
Dockweiler Beach Weekly (Wednesday) Sampling	January 2005 - July 2007	Total Coliform	2121.87	870.76	13000.00	67.00	2818.75	678	1478	45.87%
		Fecal Colifom	155.99	93.33	3700.00	67.00	255.44	259	1478	17.52%
		<i>enterococcus</i>	64.47	21.46	2000.00	9.74	184.32	489	1478	33.09%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	859	1478	58.12%
Dockweiler Beach 5 Day per Week Sampling	January 2005 - July 2007	Total Coliform	1901.70	1085.54	13000.00	67.00	1948.06	776	1489	52.12%
		Fecal Colifom	146.85	102.27	1179.83	67.00	127.06	222	1489	14.91%
		<i>enterococcus</i>	42.40	23.12	379.75	10.00	51.68	445	1489	29.89%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	904	1489	60.71%
Leo Carillo Beach	January 2005 - February 2009	Total Coliform	338.06	30.45	5575.39	10.00	710.09	169	1466	11.53%
		Fecal Colifom	16.84	14.23	62.71	10.00	9.10	0	756	0.00%
		<i>enterococcus</i>	24.50	13.27	339.68	10.00	28.90	268	1466	18.28%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	332	1466	22.65%
Long Beach - Mother's Beach	January 2005 - July 2007	Total Coliform	854.11	542.21	5397.05	46.17	925.23	258	875	29.49%
		Fecal Colifom	179.02	103.17	1523.95	10.91	210.46	281	875	32.11%
		<i>enterococcus</i>	41.87	27.66	290.19	10.00	42.39	347	875	39.66%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	483	875	55.20%
Surfers Knoll	January 2003 - July 2007	Total Coliform	612.12	123.57	9679.65	11.49	1361.84	241	1570	15.35%
		Fecal Colifom	22.24	14.40	308.80	10.00	26.75	7	1570	0.45%
		<i>enterococcus</i>	19.98	13.27	325.98	10.00	24.71	130	1570	8.28%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	284	1570	18.09%
Surfers Point	January 2005 - July 2007	Total Coliform	1197.69	640.22	24192.00	42.98	2758.63	509	1577	32.28%
		Fecal Colifom	40.47	22.45	779.82	10.00	76.75	30	1577	1.90%
		<i>enterococcus</i>	32.87	14.32	2005.00	10.00	144.15	153	1577	9.70%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	567	1577	35.95%

Table 5: Rolling 30-day Geometric Mean (5 Samples or Greater and Sampled Day Calculation)

	Time Period Analyzed	Constituent	Average	Median	Max	Min	Standard Deviation	Exceedance Count	Total Count	Exceed %
County Line Beach	January 2003 - July 2007	Total Coliform	52.45	32.46	488.02	10.00	64.11	0	194	0.00%
		Fecal Colifom	12.25	10.00	38.18	10.00	3.78	0	194	0.00%
		<i>enterococcus</i>	12.23	10.00	32.27	10.00	4.34	0	194	0.00%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	0	194	0.00%
Dockweiler Beach Weekly (Wednesday) Sampling	January 2005 - July 2007	Total Coliform	2039.46	819.01	13000.00	181.72	2619.87	55	126	43.65%
		Fecal Colifom	127.18	96.13	633.35	67.00	87.08	15	126	11.90%
		<i>enterococcus</i>	30.74	19.25	237.28	9.79	30.33	36	126	28.57%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	74	126	58.73%
Dockweiler Beach 5 Day per Week Sampling	January 2005 - July 2007	Total Coliform	1980.41	1151.95	13000.00	76.50	1890.91	508	940	54.04%
		Fecal Colifom	150.53	105.19	1011.26	67.00	120.72	153	940	16.28%
		<i>enterococcus</i>	44.69	24.02	396.35	10.00	54.63	295	940	31.38%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	593	940	63.09%
Leo Carillo Beach	January 2005 - February 2009	Total Coliform	428.15	35.14	3591.92	10.00	747.08	27	160	16.88%
		Fecal Colifom	17.47	14.43	49.89	10.00	8.53	0	78	0.00%
		<i>enterococcus</i>	27.24	13.91	339.68	10.00	36.79	30	160	18.75%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	41	160	25.63%
Long Beach - Mother's Beach	January 2005 - July 2007	Total Coliform	914.62	809.72	3108.43	72.51	655.48	46	118	38.98%
		Fecal Colifom	218.09	192.89	686.29	11.11	155.02	57	118	48.31%
		<i>enterococcus</i>	44.66	37.25	116.15	10.00	27.58	49	94	52.13%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	83	118	70.34%
Surfers Knoll	January 2003 - July 2007	Total Coliform	540.75	128.58	8218.99	11.49	1211.77	27	199	13.57%
		Fecal Colifom	19.52	15.16	76.14	10.00	13.07	0	199	0.00%
		<i>enterococcus</i>	17.51	13.32	60.29	10.00	10.65	12	199	6.03%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	30	199	15.08%
Surfers Point	January 2005 - July 2007	Total Coliform	810.66	596.68	4983.75	64.11	698.49	55	190	28.95%
		Fecal Colifom	30.64	23.05	207.95	10.00	22.78	1	190	0.53%
		<i>enterococcus</i>	18.61	14.82	131.82	10.00	12.31	10	190	5.26%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	58	190	30.53%

Table 6: Rolling 30-day Geometric Mean (4 Samples or Greater and Daily Calculation)

	Time Period Analyzed	Constituent	Average	Median	Max	Min	Standard Deviation	Exceedance Count	Total Count	Exceed %
County Line Beach	January 2003 - July 2007	Total Coliform	55.02	31.80	530.31	10.00	70.37	0	1442	0.00%
		Fecal Colifom	12.21	10.00	49.91	10.00	4.02	0	1442	0.00%
		<i>enterococcus</i>	12.28	10.00	37.63	10.00	4.90	17	1442	1.18%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	17	1442	1.18%
Dockweiler Beach Weekly (Wednesday) Sampling	January 2005 - July 2007	Total Coliform	2033.04	863.89	13000.00	93.33	2635.64	470	1028	45.72%
		Fecal Colifom	129.29	91.26	633.35	67.00	91.64	145	1028	14.11%
		<i>enterococcus</i>	33.73	19.00	271.73	9.74	38.98	294	1028	28.60%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	594	1028	57.78%
Dockweiler Beach 5 Day per Week Sampling	January 2005 - July 2007	Total Coliform	1876.37	1091.60	13000.00	76.50	1842.38	771	1474	52.31%
		Fecal Colifom	144.76	102.52	1011.26	67.00	118.45	217	1474	14.72%
		<i>enterococcus</i>	42.65	23.20	396.35	10.00	52.04	443	1474	30.05%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	899	1474	60.99%
Leo Carillo Beach	January 2005 - February 2009	Total Coliform	384.58	29.55	5575.39	10.00	770.99	155	1185	13.08%
		Fecal Colifom	17.50	14.40	62.71	10.00	9.56	0	607	0.00%
		<i>enterococcus</i>	25.44	13.27	339.68	10.00	30.54	218	1185	18.40%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	282	1185	23.80%
Long Beach - Mother's Beach	January 2005 - July 2007	Total Coliform	917.83	668.99	5397.05	56.34	887.11	222	669	33.18%
		Fecal Colifom	189.00	123.94	1320.74	11.11	183.19	244	669	36.47%
		<i>enterococcus</i>	40.28	29.85	141.97	10.00	30.31	271	631	42.95%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	411	669	61.43%
Surfers Knoll	January 2003 - July 2007	Total Coliform	528.34	124.29	8453.26	11.49	1201.19	184	1444	12.74%
		Fecal Colifom	20.62	14.23	158.35	10.00	18.16	0	1444	0.00%
		<i>enterococcus</i>	18.09	13.27	77.93	10.00	12.58	104	1444	7.20%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	222	1444	15.37%
Surfers Point	January 2005 - July 2007	Total Coliform	898.82	617.54	13377.58	57.96	1147.67	431	1422	30.31%
		Fecal Colifom	32.53	22.27	373.41	10.00	33.29	9	1422	0.63%
		<i>enterococcus</i>	19.52	14.66	251.17	10.00	19.83	127	1422	8.93%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	489	1422	34.39%

Table 7: Rolling 30-day Geometric Mean (4 Samples or Greater and Sampled Day Calculation)

	Time Period Analyzed	Constituent	Average	Median	Max	Min	Standard Deviation	Exceedance Count	Total Count	Exceed %
County Line Beach	January 2003 - July 2007	Total Coliform	52.82	30.79	488.02	10.00	66.59	0	217	0.00%
		Fecal Colifom	12.11	10.00	38.18	10.00	3.64	0	217	0.00%
		<i>enterococcus</i>	12.20	10.00	32.27	10.00	4.37	0	217	0.00%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	0	217	0.00%
Dockweiler Beach Weekly (Wednesday) Sampling	January 2005 - July 2007	Total Coliform	1941.94	857.62	13000.00	93.33	2431.91	74	161	45.96%
		Fecal Colifom	130.78	95.80	633.35	67.00	94.18	20	161	12.42%
		<i>enterococcus</i>	35.82	19.31	271.73	9.79	42.66	48	161	29.81%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	96	161	59.63%
Dockweiler Beach 5 Day per Week Sampling	January 2005 - July 2007	Total Coliform	1988.11	1151.81	13000.00	76.50	1923.68	509	943	53.98%
		Fecal Colifom	150.67	105.19	1011.26	67.00	120.98	154	943	16.33%
		<i>enterococcus</i>	44.63	24.01	396.35	10.00	54.56	296	943	31.39%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	594	943	62.99%
Leo Carillo Beach	January 2005 - February 2009	Total Coliform	397.31	39.29	3591.92	10.00	706.19	29	187	15.51%
		Fecal Colifom	17.53	14.43	49.89	10.00	8.51	0	92	0.00%
		<i>enterococcus</i>	26.51	13.91	339.68	10.00	35.04	36	187	19.25%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	47	187	25.13%
Long Beach - Mother's Beach	January 2005 - July 2007	Total Coliform	876.88	747.19	3108.43	72.51	648.68	52	139	37.41%
		Fecal Colifom	202.86	155.65	686.29	11.11	153.09	61	139	43.88%
		<i>enterococcus</i>	42.94	31.90	129.18	10.00	28.52	60	123	48.78%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	92	139	66.19%
Surfers Knoll	January 2003 - July 2007	Total Coliform	532.82	109.82	8218.99	11.49	1180.38	30	221	13.57%
		Fecal Colifom	19.91	14.80	96.33	10.00	14.29	0	221	0.00%
		<i>enterococcus</i>	17.41	12.70	60.29	10.00	10.75	14	221	6.33%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	35	221	15.84%
Surfers Point	January 2005 - July 2007	Total Coliform	863.33	601.04	13377.58	64.11	1092.50	63	218	28.90%
		Fecal Colifom	32.26	22.52	373.41	10.00	32.35	2	218	0.92%
		<i>enterococcus</i>	19.16	14.82	251.17	10.00	19.69	12	218	5.50%
		Any Indicator	N/A	N/A	N/A	N/A	N/A	66	218	30.28%