Estuary Sites - Biweekly Samples

Jenner Boat Ramp *		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/22/2012	1030	17.9	7.9	0.35	ND	0.0015	ND	ND	0.42	0.90	0.053	0.069	1.35	1.62	5000	6.5	0.0019				326
6/5/2012	1010	18.3	8.5	ND	0.21	0.018	ND	ND	0.28	0.28	0.022	0.030	1.79	2.31	700	1.6	0.0013	1732.9	127.4	547.5	255
6/19/2012	910	20.5	8.5	0.35	ND	ND	ND	ND	0.35	0.35	0.034	0.087	1.73	1.96	400	1.4	0.0023	>2419.6	137.6	157.6	141
7/3/2012	1025	20.4	8.5	0.245	ND	ND	**ND**	ND	0.28	0.28	0.020	0.055	2.24	2.28	1700	1.2	0.00021	2419.8	143.9	51.2	118

Bridgehaven*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/22/2012	1055	18.8	8	ND	0.1	0.0030	ND	ND	0.28	0.28	0.038	0.065	1.92	2.01	1100	2.2	0.001				326
6/5/2012	1030	18.5	8.4	ND	ND	0.0053	ND	ND	0.24	0.34	0.020	0.026	1.73	2.31	480	0.89	0.00027	980.4	75.4	121.1	255
6/19/2012	930	20.6	8.5	0.28	ND	ND	ND	ND	0.28	0.28	0.036	0.080	1.70	2.00	260	1.1	0.00041	1119.9	22.6	19.7	141
7/3/2012	1045	19.9	8.3	0.315	ND	ND	ND	ND	0.35	0.35	0.046	0.089	2.23	2.46	880	2.1	0.00032	>2419.8	20.1	2.0	118

Duncans Mills*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)**				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/22/2012	1120	20.3	8.1	ND	ND	0.0032	ND	ND	0.21	0.21	0.020	0.062	1.34	1.67	170	0.62	0.0010				326
6/5/2012	1050	20.8	8.4	ND	ND	0.0065	ND	ND	0.21	0.31	0.029	0.064	1.30	1.72	170	0.86	0.0013	2419.6	29.2	14.5	255
6/19/2012	1000	22.1	8.2	0.28	ND	ND	ND	ND	0.32	0.32	0.034	0.052	1.29	1.72	160	0.91	0.00062	461.1	60.5	10.8	141
7/3/2012	1110	23.6	8.4	0.245	ND	ND	ND	ND	0.32	0.32	0.035	0.093	1.44	1.94	180	1.0	0.00053	980.4	27.2	5.2	118

Casini Ranch*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/22/2012	1145	21.2	8.1	ND	0.10	0.0052	ND	ND	0.21	0.21	ND	0.038	1.32	1.77	160	0.81	0.0065				326
6/5/2012	1120	21	8.1	ND	ND	0.0034	ND	ND	0.18	0.18	0.026	0.060	1.23	1.71	170	1.0	0.0020	980.4	26.2	11.9	255
6/19/2012	1020	22.4	8.0	ND	0.10	0.0044	ND	ND	0.21	0.21	0.040	0.072	1.54	1.71	160	1.2	0.0014	1299.7	49.5	248.9	141
7/3/2012	1140	23.2	8.1	ND	ND	ND	ND	ND	0.21	0.33	0.027	0.10	1.39	1.91	170	1.2	0.00074	980.4	12.1	38	118

Monte Rio*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.0005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/22/2012	1220	20.3	7.9	ND	ND	0.0016	ND	ND	0.24	0.24	0.030	0.054	1.27	1.75	160	1.3	0.0090				326
6/5/2012	1150	20.1	8.0	ND	ND	0.0026	ND	ND	0.24	0.36	0.033	0.053	1.18	1.82	170	1.5	0.0015	1732.9	37.9	22.8	255
6/19/2012	1110	23	7.8	0.21	ND	ND	ND	ND	0.28	0.28	0.035	0.072	1.22	1.66	150	1.4	0.0023	1986.3	55.6	8.4	141
7/3/2012	1210	24.2	7.8	ND	ND	ND	ND	ND	0.18	0.18	0.027	0.1	1.33	1.82	170	1.5	0.00084	1986.3	18.5	164.8	118

Monte Rio (Duplicate)*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.0005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/22/2012	1220	20.3	7.9	ND	ND	0.0016	ND	ND	0.21	0.21	0.028	0.023	1.28	1.74	170	1.3	0.0090				326
6/5/2012	1150	20.1	8.0	ND	ND	0.0026	ND	ND	0.21	0.33	0.031	0.060	1.20	1.80	170	1.3	0.0014	1732.9	22.8	20.1	255
6/19/2012	1110	23	7.8	0.210	0.10	0.0030	ND	ND	0.32	0.32	0.034	0.072	1.22	1.66	150	1.4	0.0020	2419.6	60.5	16.9	141
7/3/2012	1210	24.2	7.8	ND	ND	ND	ND	ND	0.21	0.21	0.027	0.10	1.28	1.79	160	1.4	0.0017	1413.6	24.3	79.0	118

Monte Rio (Triplicate bacteria only)*		Temperature	pH	Total Coliforms (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)				20	20	2	Flow Rate
Date		°C		MPN/100mL	MPN/100mL	MPN/100mL	(cfs)
6/5/2012	1150	20.1	8.0	1986.3	44.1	25.9	255
6/19/2012	1110	23	7.8	>2419.6	48.1	14.4	141
7/3/2012	1210	24.2	7.8	1986.3	9.8	59.3	118

Upper River Sites - Weekly Samples

Hacienda*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/24/2012	1315	19.0	8.0	ND	ND	0.0024	ND	ND	0.18	0.31	0.030	0.069	1.33	1.74	150	1.1	0.0012	686.7	12.2	4.1	299
5/31/2012	1230	20.5	7.9	ND	0.18	0.0057	ND	ND	0.24	0.40	0.036	0.067	1.17	1.58	160	2.3	0.00066	1413.6	4.1	6.3	244
6/7/2012	1240	20.0	8.0	ND	0.1	0.0038	ND	ND	0.21	0.21	0.032	0.089	1.14	1.58	160	1.8	0.00072	579.4	9.7	3.1	236
6/14/2012	1230	22.2	7.9	ND	0.1	0.0036	ND	ND	0.18	0.30	0.031	0.072	1.19	1.63	150	1.2	0.0015	1732.9	8.6	10.7	175
6/21/2012	1220	21.1	8.0	ND	0.14	0.0055	0.12	ND	0.18	0.29	0.036	0.086	1.19	1.54	160	1.1	ND	2419.6	21.1	22.6	139
6/28/2012	1300	21.5	8.0	ND	ND	ND	ND	ND	0.18	0.18	0.043	0.085	1.28	1.65	150	1.2	0.00084	816.4	17.1	8.5	117
7/5/2012	1250	22.3	7.9	ND	ND	ND	0.12	ND	0.18	0.30	0.038	0.053	1.18	1.56	150	1.9	0.00084	1553.1	28.1	6.3	110
7/12/2012	1215																	1553.1	12.1	4.1	85
7/19/2012	1245																	158.5	35	53.8	135

Hacienda (Duplicate)*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/24/2012	1315	19.0	8.0	ND	ND	0.0012	ND	ND	0.18	0.30	0.028	0.085	1.32	1.75	160	1.4	0.0010	770.1	13.4	3.1	299
5/31/2012	1230	20.5	7.9	ND	0.18	0.0057	ND	ND	0.21	0.36	0.033	0.094	1.15	1.56	170	2.2	0.00085	1986.3	10.8	3.1	244
6/7/2012	1240	20.0	8.0	0.245	ND	0.0026	ND	ND	0.32	0.43	0.032	0.086	1.18	1.61	150	1.7	0.00063	686.7	10.9	3.0	236
6/14/2012	1230	22.2	7.9	ND	ND	0.0024	ND	ND	0.21	0.34	0.032	0.072	1.22	1.62	160	1.1	0.0013	1203.3	10.9	12.1	175
6/21/2012	1220	21.1	8.0	ND	ND	ND	0.12	ND	0.18	0.30	0.038	0.082	1.16	1.54	180	1.1	ND	1553.1	18.7	18.7	139
6/28/2012	1300	21.5	8.0	ND	ND	ND	ND	ND	0.18	0.18	0.040	0.089	1.27	1.65	150	1.2	0.0011	727	13.2	8.4	117
7/5/2012	1250	22.3	7.9	ND	ND	ND	0.12	ND	0.18	0.30	0.037	0.053	1.19	1.56	140	1.8	0.00063	488.4	23.8	6.3	110
7/12/2012	1215																	1203.3	12.1	5.2	85
7/19/2012	1245																	1203.3	62.7	88.8	135

Hacienda (Triplicate bacteria only)*	Temperature	pH	Total Coliforms (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11467000 RR near Guerneville (Hacienda)
Method Detection Limit (MDL)			20	20	2	Flow Rate

Date		°C															MPN/100mL	MPN/100mL	MPN/100mL	(cfs)
5/24/2012	1315	19	8														1119.9	9.8	3.0	299
5/31/2012	1230	20.5	7.9														1732.9	11.0	3.1	244
6/7/2012	1240	20.0	8.0														547.5	12.2	3.1	236
6/14/2012	1230	22.2	7.9														1119.9	9.8	9.8	175
6/21/2012	1220	21.1	8.0														1299.7	22.6	19.9	139
6/28/2012	1300	21.5	8.0														770.1	10.9	13.1	117
7/5/2012	1250	22.3	7.9														2419.6	16.9	8.6	110
7/12/2012	1215																1413.6	9.7	8.5	85
7/19/2012	1245																920.8	35.5	66.3	135

Riverfront Park*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11465390 RR near Windsor (Riverfront Park)
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/24/2012	1240	17.6	7.8	ND	ND	0.0014	ND	ND	0.14	0.29	ND	0.028	0.956	1.39	150	0.98	0.00094	920.8	9.8	4.1	299
5/31/2012	1155	19.0	7.8	ND	0.10	0.0023	ND	ND	0.24	0.41	ND	0.026	0.910	1.29	140	1.4	0.00085	1299.7	2.0	9.8	244
6/7/2012	1200	18.1	7.9	ND	ND	0.00089	ND	ND	0.21	0.37	0.022	0.044	0.927	1.35	150	1.6	0.00054	920.8	23.3	7.5	236
6/14/2012	1145	19.8	7.8	ND	ND	0.0016	ND	ND	0.18	0.32	ND	0.022	1.02	1.43	160	1.4	0.0014	1203.3	13.4	5.2	175
6/21/2012	1150	18.7	7.8	0.210	ND	ND	0.13	ND	0.21	0.34	ND	0.022	0.938	1.32	150	0.96	ND	290.9	10.9	14.3	139
6/28/2012	1230	19.3	7.8	ND	ND	ND	ND	ND	0.14	0.14	ND	0.048	1.01	1.37	140	1.0	0.00053	1413.6	14.8	6.3	117
7/5/2012	1220	20.0	7.9	ND	ND	ND	0.13	ND	0.18	0.31	ND	ND	1.02	1.41	140	1.2	0.00011	1553.1	22.8	2.0	110
7/12/2012	1145																	1986.3	29.5	8.3	85

Digger's Bend*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11463980 RR at Digger's Bend	
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)	
5/24/2012	1150	18.3	8	ND	ND	0.0011	ND	ND	0.18	0.36	ND	0.028	0.99	1.33	170	0.68	0.0011	1413.6	4.1	<1.0	240	
5/31/2012		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	220	Not sampled, no access to site
6/7/2012	1120	19.3	8.1	0.280	ND	ND	ND	ND	0.28	0.46	0.024	0.056	1.13	1.33	160	2.1	0.00063	920.8	23.3	6.3	194	
6/14/2012	1100	21.5	7.9	ND	0.10	0.034	ND	ND	0.18	0.35	ND	0.038	1.17	1.38	170	1.1	0.0014	2419.6	4.1	8.5	167	
6/21/2012	1110	20.9	8	0.240	ND	ND	0.14	ND	0.24	0.39	ND	0.041	0.899	1.21	170	0.66	ND	>2419.6	11.6	18.9	151	
6/28/2012	1140	20.9	8	ND	ND	ND	ND	ND	0.18	0.18	ND	ND	1.09	1.27	160	0.76	ND	1732.9	5.2	7.3	136	
7/5/2012	1120	22	8	ND	0.10	0.0044	ND	ND	0.21	0.21	ND	ND	1.19	1.42	150	0.63	0.00032	>2419.6	12.2	18.3	129	
7/12/2012	1105																	1732.9	13.2	56.3	115	
7/19/2012	1100																	1553.1	8.5	--	139	Entero bottle cracked

Jimtown Bridge*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11463682 RR at Jimtown
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/24/2012	1115	17.9	7.8	ND	ND	ND	0.23	ND	0.14	0.37	ND	0.020	1.04	1.41	160	0.73	0.0011	>2419.6	7.5	1.0	229
5/31/2012	1055	19.6	7.7	0.210	ND	ND	0.23	ND	0.21	0.44	ND	0.022	0.971	1.35	170	1.2	0.00085	>2419.6	8.6	2.0	209
6/7/2012	1025	18.1	7.8	0.210	ND	0.0010	ND	0.047	0.24	0.47	0.022	0.059	0.983	1.44	160	1.8	0.00072	1119.9	13.5	8.5	193
6/14/2012	1015	20.2	7.6	ND	ND	0.0009	0.21	ND	0.21	0.42	0.022	0.038	1.02	1.48	160	1.2	0.00072	1413.6	17.3	8.6	171
6/21/2012	1015	19.8	7.7	ND	ND	ND	0.18	ND	0.18	0.36	ND	0.026	0.890	1.23	170	0.78	ND	1413.6	21.3	34.3	139
6/28/2012	1050	19.7	7.5	ND	ND	ND	ND	ND	0.18	0.18	ND	0.044	0.985	1.29	160	0.62	0.00042	727.0	28.8	9.8	136
7/5/2012	1030	21.2	7.6	ND	ND	ND	0.16	ND	0.21	0.37	ND	ND	0.978	1.46	150	0.53	0.00032	980.4	8.5	13.2	141
7/12/2012	1025																	1732.9	7.5	12	136
7/19/2012	1025																	1299.7	6.3	27.9	161

Jimtown Bridge (Duplicate bacteria only)*		Temperature	pH	Total Coliforms (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11463682 RR at Jimtown
Method Detection Limit (MDL)				20	20	2	Flow Rate
Date		°C		MPN/100mL	MPN/100mL	MPN/100mL	(cfs)
5/24/2012	1115	17.9	7.8	>2419.6	13.5	3.1	229
5/31/2012	1055	19.6	7.7	>2419.6	8.6	3.0	209
6/7/2012	1025	18.1	7.8	686.7	18.3	7.3	193
6/14/2012	1015	20.2	7.6	1046.2	14.6	19.9	171
6/21/2012	1015	19.8	7.7	1119.9	15.8	29.9	139
6/28/2012	1050	19.7	7.5	517.2	18.5	9.7	136
7/5/2012	1030	21.2	7.6	1203.3	7.4	19.7	141
7/12/2012	1025			1299.7	4.1	9.7	136
7/19/2012	1025			816.4	9.4	22.3	161

Jimtown Bridge (Triplicate bacteria only)*		Temperature	pH	Total Coliforms (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11463682 RR at Jimtown
Method Detection Limit (MDL)				20	20	2	Flow Rate
Date		°C		MPN/100mL	MPN/100mL	MPN/100mL	(cfs)
5/24/2012	1115	17.9	7.8	>2419.6	10.9	4.1	229
5/31/2012	1055	19.6	7.7	>2419.6	6.1	3.1	209
6/7/2012	1025	18.1	7.8	1203.3	8.6	9.8	193
6/14/2012	1015	20.2	7.6	920.8	14.6	18.7	171
6/21/2012	1015	19.8	7.7	1299.7	6.0	18.1	139
6/28/2012	1050	19.7	7.5	461.1	46.4	21.1	136
7/5/2012	1030	21.2	7.6	1732.9	6.3	11	141
7/12/2012	1025			*	*	13.4	136
7/19/2012	1025			648.8	7.4	30.9	161

Comminsky Station*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11463000 RR Near Cloverdale (Comminsky)
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/24/2012	1030	16.1	7.9	0.210	ND	0.00077	0.24	ND	0.24	0.48	0.03	0.031	1.65	1.99	130	2.4	0.0025	1986.3	22.8	8.4	183
5/31/2012	1010	17.3	7.8	ND	ND	0.00066	0.24	ND	0.18	0.42	0.036	0.064	1.68	2.00	130	3.2	0.0026	770.1	48.0	21.6	170
6/7/2012	940	15.7	7.9	0.280	ND	0.0015	ND	0.054	0.35	0.52	0.14	0.086	1.43	2.15	140	5.8	0.0020	1553.1	32.3	12.0	163
6/14/2012	930	17.6	7.8	0.210	ND	0.00071	0.26	ND	0.24	0.51	0.052	0.11	1.58	2.34	120	5.4	0.0023	>2419.6	54.6	31.5	153
6/21/2012	935	17.7	8	ND	0.18	0.0057	0.26	ND	0.28	0.54	0.063	0.10	1.82	2.15	140	4.8	ND	2419.6	93.3	44.4	132
6/28/2012	1000	16.7	7.9	ND	ND	ND	0.30	ND	0.18	0.48	0.049	0.093	1.47	2.09	130	5.2	0.0014	1203.3	25.0	22.6	121
7/5/2012	950	17.9	7.8	ND	ND	ND	0.25	ND	0.21	0.46	0.043	0.053	1.6	2.27	120	5.2	0.0021	1986.3	42	31.3	139
7/12/2012	940																	>2419.6	32.7	31.5	144
7/19/2012	935																	770.1	16.1	32.3	157

Hopland*		Temperature	pH	Total Organic Nitrogen	Ammonia as N	Ammonia as N Unionized	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 (Colilert)	E. coli (Colilert)	Enterococcus (Enterolert)	USGS 11462500 RR Near Hopland
Method Detection Limit (MDL)				0.2	0.1	0.0001	0.05	0.01	0.1	0.5	0.02	0.02	0.04	0.04	4.2	0.02	0.00005	20	20	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/100mL	MPN/100mL	MPN/100mL	(cfs)
5/24/2012	1000	14.4	7.5	0.210	ND	0.00027	0.29	ND	0.24	0.53	0.043	0.066	1.75	2.4	120	4.8	0.00019	>2419.8	69.1	24.6	156
5/31/2012	935	15.3	7.5	0.210	ND	0.00057	0.28	ND	0.28	0.56	0.042	0.083	1.59	2.38	120	5.0	0.0025	>2419.6	61.3	33.6	148
6/7/2012	905	14.1	7.6	0.245	0.1	0.001	ND	0.058	0.35	0.41	0.054	0.13	1.67	2.55	120	6.2	0.0022	1413.6	75.9	32.7	131
6/14/2012	900	15.2	7.4	ND	0.14	0.00091	0.26	ND	0.28	0.54	0.054	0.12	1.78	2.66	120	7.1	0.0022	2419.6	52.9	45.0	147
6/21/2012	900	15.3	7.7	ND	0.14	0.0018	0.25	0.046	0.24	0.54	0.070	0.14	1.72	2.63	120	7.0	ND	>2419.6	47.1	47.4	139
6/28/2012	930	14.6	7.5	ND	ND	ND	0.30	ND	0.21	0.51	0.060	0.13	1.71	2.49	460	7.6	0.00063	2419.6	48.0	30.1	131
7/5/2012	910	15	7.6	ND	0.14	0.0014	0.28	ND	0.24	0.53	0.058	0.099	1.74	2.49	120	8.6	0.00084	>2419.6	54.8	67	135
7/12/2012	910																	>2419.6	50.4	105.4	131

7/19/2012	900	1119.9	44.3	59.4	178

* results are preliminary and subject to final revision.

Recommended EPA Criteria based on Aggregate Ecoregion III:
Total Phosporus: 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

Single Sample Values
Beach posting is recommended when indicator organisms exceed any of the following levels:
Total coliforms: 10,000 per 100 ml
Fecal coliforms: 400 per 100 ml
E. coli: 235 per 100 ml
Enterococcus: 61 per 100 ml