



**Appendix D Table 1**  
Field measurements of water quality

Site number	Site name	Sample Date	Sampling Time	North (latitude)	West (longitude)	Water Temp C	Spec Cond mS/cm	TDS g/L	DO%	DO mg/L	pH	ORP mV	Turbidity
84	SJR at Garwood Station	05/01/08	7:28	37.92819	-121.32843	17.08	0.328	0.21	103.22	9.95	8.14	166.37	17.03
127	SJR at Brant Bridge	05/01/08	7:03	37.86488	-121.32267	16.49	0.329	0.21	96.15	9.39	7.82	163.42	15.80
193	Stockton WWTP effluent	05/01/08	7:50	37.93810	-121.33580	-	-	-	-	-	6.62	-	1.33
194	SJR at Burns Cutoff	05/01/08	8:25	37.94101	-121.34505	17.05	0.340	0.22	101.79	9.82	7.90	160.60	18.29
195	SJR at Stockton WWTP outfall	05/01/08	7:46	37.93805	-121.33531	17.06	0.370	0.24	101.29	9.77	7.76	174.55	76.99
84	SJR at Garwood Station	05/02/08	8:10	37.92819	-121.32843	17.03	0.335	0.22	98.66	9.52	7.82	170.01	19.77
127	SJR at Brant Bridge	05/02/08	7:48	37.86488	-121.32267	16.52	0.334	0.22	95.20	9.28	7.62	169.75	19.10
193	Stockton WWTP effluent	05/02/08	8:35	37.93810	-121.33580	-	-	-	-	-	6.55	-	1.41
194	SJR at Burns Cutoff	05/02/08	8:57	37.94101	-121.34505	17.13	0.355	0.23	98.38	9.47	7.66	166.88	18.16
195	SJR at Stockton WWTP outfall	05/02/08	8:26	37.93805	-121.33531	17.11	0.371	0.24	98.07	9.45	7.58	158.91	28.03
84	SJR at Garwood Station	05/03/08	9:18	37.92819	-121.32843	17.05	0.339	0.22	95.19	9.18	7.68	159.27	18.72
127	SJR at Brant Bridge	05/03/08	8:51	37.86488	-121.32267	16.49	0.333	0.22	94.83	9.25	7.63	156.71	19.28
193	Stockton WWTP effluent	05/03/08	9:35	37.93810	-121.33580	-	-	-	-	-	6.84	-	0.80
194	SJR at Burns Cutoff	05/03/08	10:02	37.94101	-121.34505	17.08	0.348	0.23	92.62	8.93	7.60	160.92	20.14
195	SJR at Stockton WWTP outfall	05/03/08	9:32	37.93805	-121.33531	17.04	0.343	0.22	92.35	8.91	7.58	154.63	21.32
84	SJR at Garwood Station	05/04/08	9:23	37.92819	-121.32843	17.57	0.320	0.21	96.25	9.19	7.66	150.14	18.59
127	SJR at Brant Bridge	05/04/08	9:01	37.86488	-121.32267	17.09	0.337	0.22	97.53	9.40	7.65	137.82	18.65
193	Stockton WWTP effluent	05/04/08	9:45	37.93810	-121.33580	-	-	-	-	-	6.61	-	1.16
194	SJR at Burns Cutoff	05/04/08	10:10	37.94101	-121.34505	17.64	0.349	0.23	94.92	9.05	7.54	169.18	20.58
195	SJR at Stockton WWTP outfall	05/04/08	9:37	37.93805	-121.33531	17.57	0.338	0.22	94.51	9.02	7.57	152.76	23.31
84	SJR at Garwood Station	05/05/08	9:43	37.92819	-121.32843	17.87	0.332	0.22	97.80	9.28	7.71	164.90	18.10
127	SJR at Brant Bridge	05/05/08	9:24	37.86488	-121.32267	17.73	0.342	0.22	101.28	9.63	7.78	162.58	17.94
193	Stockton WWTP effluent	05/05/08	10:10	37.93810	-121.33580	19.60	-	-	-	-	7.36	-	1.16
194	SJR at Burns Cutoff	05/05/08	10:30	37.94101	-121.34505	18.06	0.361	0.23	95.26	9.00	7.55	156.53	19.94
195	SJR at Stockton WWTP outfall	05/05/08	10:04	37.93805	-121.33531	18.05	0.386	0.25	95.05	8.98	7.50	159.48	20.63
84	SJR at Garwood Station	05/06/08	10:41	37.92819	-121.32843	18.87	0.344	0.22	104.83	9.74	7.87	159.34	16.45
127	SJR at Brant Bridge	05/06/08	10:17	37.86488	-121.32267	18.51	0.355	0.23	108.28	10.14	8.02	142.82	15.56
193	Stockton WWTP effluent	05/06/08	11:00	37.93810	-121.33580	20.80	-	-	-	-	6.63	-	1.19
194	SJR at Burns Cutoff	05/06/08	11:25	37.94101	-121.34505	18.94	0.362	0.24	102.21	9.49	7.71	160.80	17.84
195	SJR at Stockton WWTP outfall	05/06/08	10:56	37.93805	-121.33531	18.90	0.364	0.24	101.56	9.43	7.67	160.83	18.80
84	SJR at Garwood Station	05/07/08	11:43	37.92819	-121.32843	19.35	0.341	0.22	115.17	10.60	8.31	169.50	21.69
127	SJR at Brant Bridge	05/07/08	11:20	37.86488	-121.32267	18.82	0.343	0.22	110.99	10.33	8.16	156.87	17.95
193	Stockton WWTP effluent	05/07/08	12:05	37.93810	-121.33580	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
194	SJR at Burns Cutoff	05/07/08	12:21	37.94101	-121.34505	19.32	0.345	0.22	114.20	10.52	8.24	171.40	23.38
195	SJR at Stockton WWTP outfall	05/07/08	11:57	37.93805	-121.33531	19.28	0.346	0.22	113.50	10.46	8.22	172.73	25.28
84	SJR at Garwood Station	05/08/08	11:58	37.92819	-121.32843	19.49	0.328	0.21	112.79	10.35	8.18	143.57	20.98
127	SJR at Brant Bridge	05/08/08	11:35	37.86488	-121.32267	18.76	0.331	0.22	107.01	9.97	7.95	123.68	18.10
193	Stockton WWTP effluent	05/08/08	12:15	37.93810	-121.33580	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
194	SJR at Burns Cutoff	05/08/08	12:33	37.94101	-121.34505	19.51	0.331	0.21	111.38	10.22	8.12	144.87	22.07
195	SJR at Stockton WWTP outfall	05/08/08	12:11	37.93805	-121.33531	19.46	0.330	0.21	111.31	10.22	8.13	141.79	23.31

**Appendix D Table 1**  
Field measurements of water quality

Site number	Site name	Sample Date	Sampling Time	North (latitude)	West (longitude)	Water Temp C	Spec Cond mS/cm	TDS g/L	DO%	DO mg/L	pH	ORP mV	Turbidity
84	SJR at Garwood Station	05/09/08	13:02	37.92819	-121.32843	19.53	0.329	0.21	110.89	10.17	8.02	142.56	22.97
127	SJR at Brant Bridge	05/09/08	12:34	37.86488	-121.32267	18.70	0.330	0.21	111.22	10.37	7.98	115.85	21.66
193	Stockton WWTP effluent	05/09/08	13:23	37.93810	-121.33580	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
194	SJR at Burns Cutoff	05/09/08	13:48	37.94101	-121.34505	19.51	0.330	0.21	111.55	10.23	7.99	158.39	25.07
195	SJR at Stockton WWTP outfall	05/09/08	13:18	37.93805	-121.33531	19.48	0.330	0.21	111.53	10.24	8.01	144.04	24.37
84	SJR at Garwood Station	05/10/08	12:45	37.92819	-121.32843	19.46	0.335	0.22	115.91	10.64	8.19	181.57	22.75
127	SJR at Brant Bridge	05/10/08	12:25	37.86488	-121.32267	18.75	0.340	0.22	108.87	10.14	7.92	190.69	18.67
193	Stockton WWTP effluent	05/10/08	13:01	37.93810	-121.33580	21.30	-	-	-	-	6.66	-	1.42
194	SJR at Burns Cutoff	05/10/08	13:26	37.94101	-121.34505	19.48	0.349	0.23	113.02	10.37	8.03	178.30	24.51
195	SJR at Stockton WWTP outfall	05/10/08	12:55	37.93805	-121.33531	19.40	0.349	0.23	112.64	10.36	7.96	172.34	27.47
84	SJR at Garwood Station	05/11/08	14:06	37.92819	-121.32843	19.74	0.335	0.22	114.09	10.42	7.98	138.79	22.33
127	SJR at Brant Bridge	05/11/08	13:45	37.86488	-121.32267	19.26	0.338	0.22	116.78	10.77	8.06	113.43	19.55
193	Stockton WWTP effluent	05/11/08	14:15	37.93810	-121.33580	22.20	-	-	-	-	6.75	-	1.42
194	SJR at Burns Cutoff	05/11/08	14:38	37.94101	-121.34505	19.94	0.335	0.22	115.79	10.53	7.98	147.31	24.89
195	SJR at Stockton WWTP outfall	05/11/08	14:22	37.93805	-121.33531	19.93	0.331	0.22	114.50	10.42	7.98	142.43	28.34
84	SJR at Garwood Station	05/12/08	15:34	37.92819	-121.32843	19.07	0.330	0.21	112.25	10.39	7.98	162.39	22.87
127	SJR at Brant Bridge	05/12/08	15:14	37.86488	-121.32267	19.00	0.330	0.21	118.40	10.98	8.18	135.86	21.17
193	Stockton WWTP effluent	05/12/08	15:45	37.93810	-121.33580	20.50	-	-	-	-	6.73	-	1.10
194	SJR at Burns Cutoff	05/12/08	16:13	37.94101	-121.34505	19.21	0.343	0.22	111.25	10.27	7.89	160.85	23.97
195	SJR at Stockton WWTP outfall	05/12/08	15:54	37.93805	-121.33531	19.22	0.333	0.22	111.57	10.30	7.95	160.94	24.91
84	SJR at Garwood Station	05/13/08	6:17	37.92819	-121.32843	18.44	0.333	0.22	102.94	9.65	8.03	141.73	24.80
127	SJR at Brant Bridge	05/13/08	5:56	37.86488	-121.32267	17.90	0.324	0.21	100.37	9.51	7.91	124.24	23.51
193	Stockton WWTP effluent	05/13/08	6:26	37.93810	-121.33580	18.80	-	-	-	-	6.62	-	0.96
194	SJR at Burns Cutoff	05/13/08	6:51	37.94101	-121.34505	18.47	0.332	0.22	99.70	9.34	7.87	161.13	24.24
195	SJR at Stockton WWTP outfall	05/13/08	6:33	37.93805	-121.33531	18.45	0.326	0.21	100.14	9.39	7.90	155.61	25.63
84	SJR at Garwood Station	05/14/08	7:11	37.92819	-121.32843	18.78	0.334	0.22	105.82	9.85	7.91	164.90	23.21
127	SJR at Brant Bridge	05/14/08	6:47	37.86488	-121.32267	18.42	0.337	0.22	103.44	9.70	7.72	158.65	23.72
193	Stockton WWTP effluent	05/14/08	7:23	37.93810	-121.33580	20.50	-	-	-	-	6.53	-	0.65
194	SJR at Burns Cutoff	05/14/08	7:50	37.94101	-121.34505	18.95	0.341	0.22	103.29	9.58	7.70	172.28	23.90
195	SJR at Stockton WWTP outfall	05/14/08	7:26	37.93805	-121.33531	18.91	0.327	0.21	103.35	9.60	7.79	168.91	25.20
84	SJR at Garwood Station	05/15/08	8:47	37.92819	-121.32843	19.90	0.345	0.22	108.70	9.89	7.86	168.69	22.57
127	SJR at Brant Bridge	05/15/08	8:19	37.86488	-121.32267	19.57	0.344	0.22	103.95	9.52	7.63	166.44	23.96
193	Stockton WWTP effluent	05/15/08	9:00	37.93810	-121.33580	22.40	-	-	-	-	6.62	-	0.82
194	SJR at Burns Cutoff	05/15/08	9:22	37.94101	-121.34505	20.08	0.360	0.23	107.18	9.72	7.70	176.05	25.64
195	SJR at Stockton WWTP outfall	05/15/08	9:05	37.93805	-121.33531	20.01	0.345	0.22	107.40	9.75	7.81	172.63	28.40

**Appendix D Table 2**  
Laboratory measurements of water quality

Site number	Site name	Sample Date	Sampling Time	Chl-a SM ug/L	Pheophyt on SM ug/L	Algal pigments ug/L	Chl-a TriChrom ug/L	4.5 Alk, mg CaCO3/L	8.3 Alk, mg CaCO3/L	Total Organic Carbon, mg/L	Dissolved Organic Carbon, mg/L	VSS, mg/L	TSS, mg/L	Mineral Solids mg/L	Total N, mg/L	NH <sub>3</sub> -N mg/L	NO <sub>3</sub> -N mg/L	NO <sub>2</sub> -N mg/L	PO <sub>4</sub> P, mg/L	Total P, mg/L	SUVA (L/mg-M)	Chlorine, mg/L
84	SJR at Garwood Station	05/01/08	7:28	29.4	10.1	39.5	36.8	57	0	3.1	2.3	6.030	36.047	30.016	1.17	0.02	0.59	0.00	0.07	0.21	2.924	nd
127	SJR at Brant Bridge	05/01/08	7:03	22.5	8.0	30.5	28.3	55	0	3.0	2.5	5.216	30.268	25.053	1.06	0.00	0.55	0.01	0.07	0.22	2.566	nd
193	Stockton WWTP effluent	05/01/08	7:50	4.8	5.3	10.1	8.1	83	0	11.7	11.6	2.173	2.857	0.684	24.21	1.38	19.43	0.44	0.13	0.31	1.684	nd
194	SJR at Burns Cutoff	05/01/08	8:25	24.0	10.5	34.5	31.4	58	0	3.5	2.9	5.620	32.592	26.972	1.77	0.03	1.27	0.02	0.09	0.26	2.695	nd
195	SJR at Stockton WWTP outfall	05/01/08	7:46	25.1	9.9	35.0	32.1	60	0	3.7	3.3	3.740	27.258	23.518	2.82	0.06	2.30	0.03	0.09	0.26	2.503	nd
84	SJR at Garwood Station	05/02/08	8:10	10.7	3.1	13.8	13.1	57	0	2.5	2.4	5.292	33.282	38.574	1.00	0.02	0.65	0.01	0.08	0.24	3.026	nd
127	SJR at Brant Bridge	05/02/08	7:48	20.2	8.0	28.2	25.9	54	0	2.3	2.2	5.275	32.231	37.505	1.10	0.02	0.62	0.01	0.08	0.24	2.946	nd
193	Stockton WWTP effluent	05/02/08	8:35	4.8	5.4	10.2	8.2	79	0	11.4	10.4	3.339	1.178	4.517	23.35	0.95	17.70	0.39	0.16	0.38	1.838	nd
194	SJR at Burns Cutoff	05/02/08	8:57	22.3	9.3	31.6	28.9	56	0	2.8	2.7	5.200	31.580	36.781	2.16	0.04	1.13	0.02	0.09	0.23	3.003	0.06
195	SJR at Stockton WWTP outfall	05/02/08	8:26	21.2	9.5	30.7	28.0	57	0	2.7	2.7	5.638	31.515	37.153	3.29	0.12	2.62	0.04	0.09	0.28	2.840	nd
84	SJR at Garwood Station	05/03/08	9:18	16.6	7.2	23.8	21.8	57	0	2.2	2.2	5.166	36.160	30.994	1.27	0.06	0.68	0.01	0.09	0.25	2.951	0.07
127	SJR at Brant Bridge	05/03/08	8:51	15.7	6.4	22.0	20.2	56	0	2.1	2.2	5.470	39.964	34.495	1.18	0.02	0.69	0.01	0.07	0.38	2.779	0.11
193	Stockton WWTP effluent	05/03/08	9:35	2.1	2.6	4.7	3.8	85	0	10.4	10.1	2.074	3.114	1.040	22.84	0.81	19.54	0.09	0.04	0.20	1.730	nd
194	SJR at Burns Cutoff	05/03/08	10:02	15.6	9.2	24.8	21.9	57	0	2.7	2.5	5.046	39.364	34.318	2.17	0.12	1.19	0.01	0.10	0.27	2.879	nd
195	SJR at Stockton WWTP outfall	05/03/08	9:32	14.7	8.6	23.2	20.5	58	0	3.0	2.9	5.794	40.590	34.797	1.89	0.13	1.21	0.01	0.10	0.25	2.740	0.08
84	SJR at Garwood Station	05/04/08	9:23	15.0	9.3	24.3	21.3	56	0	2.2	2.4	4.887	38.086	33.199	1.20	0.03	0.65	0.01	0.11	0.20	1.391	0.02
127	SJR at Brant Bridge	05/04/08	9:01	12.3	4.9	17.2	15.8	55	0	2.2	2.2	4.740	34.588	29.848	1.22	0.02	0.57	0.01	0.10	0.25	2.182	0.11
193	Stockton WWTP effluent	05/04/08	9:45	5.2	6.8	12.0	9.5	94	0	10.9	10.8	2.924	4.177	1.253	23.87	0.77	20.14	0.09	0.16	0.35	1.162	nd
194	SJR at Burns Cutoff	05/04/08	10:10	13.1	8.8	21.9	19.0	57	0	2.6	2.8	5.071	41.603	36.532	2.26	0.08	1.57	0.01	0.09	0.22	1.776	0.06
195	SJR at Stockton WWTP outfall	05/04/08	9:37	14.4	9.3	23.7	20.7	58	0	2.5	2.5	5.484	42.280	36.796	3.30	0.10	2.44	0.01	0.14	0.15	1.903	0.02
84	SJR at Garwood Station	05/05/08	9:43	21.3	10.6	31.9	28.7	56	0	3.4	2.4	5.54	36.350	30.809	1.12	0.03	0.74	0.01	0.10	0.23	3.087	0.03
127	SJR at Brant Bridge	05/05/08	9:24	19.6	4.7	24.3	23.5	54	0	2.8	2.2	5.35	36.929	31.581	1.19	0.02	0.70	0.01	0.07	0.21	2.946	0.08
193	Stockton WWTP effluent	05/05/08	10:10	2.7	3.8	6.5	5.1	94	0	11.1	10.0	4.67	7.140	2.471	23.38	1.09	19.93	0.16	0.15	0.38	1.856	nd
194	SJR at Burns Cutoff	05/05/08	10:30	12.5	7.0	19.5	17.4	57	0	3.4	2.6	5.51	38.733	33.219	2.08	0.06	1.27	0.03	0.14	0.23	2.864	0.14
195	SJR at Stockton WWTP outfall	05/05/08	10:04	13.3	7.0	20.3	18.2	58	0	3.7	2.7	5.58	40.470	34.890	3.61	0.11	2.58	0.01	0.10	0.25	2.852	0.12
84	SJR at Garwood Station	05/06/08	10:41					56	0	2.9	2.4	5.404	34.494	29.090	1.18	0.00	0.31	0.01	0.07	0.19	1.891	nd
127	SJR at Brant Bridge	05/06/08	10:17					54	0	2.7	2.3	5.217	28.728	23.511	1.18	0.01	0.80	0.01	0.07	0.21	1.861	nd
193	Stockton WWTP effluent	05/06/08	11:00			samples lost		77	0	11.8	10.8	3.195	4.392	1.197	23.22	1.02	20.63	0.12	0.29	0.37	1.103	nd
194	SJR at Burns Cutoff	05/06/08	11:25					56	0	3.4	2.6	5.229	35.870	30.641	2.13	0.04	1.25	0.01	0.09	0.22	1.859	nd
195	SJR at Stockton WWTP outfall	05/06/08	10:56					58	0	3.4	2.5	5.497	36.227	30.729	2.55	0.08	1.83	0.01	0.08	0.22	1.857	nd
84	SJR at Garwood Station	05/07/08	11:43	35.7	12.8	48.5	44.9	55	0	2.3	2.3	5.286	37.604	32.318	1.25	0.03	0.87	0.01	0.07	0.24	1.897	nd
127	SJR at Brant Bridge	05/07/08	11:20	29.5	7.2	36.7	35.0	56	0	2.2	2.2	5.006	36.151	31.145	1.14	0.03	0.69	0.01	0.05	0.21	1.833	0.04
193	Stockton WWTP effluent	05/07/08	12:05	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
194	SJR at Burns Cutoff	05/07/08	12:21	23.9	8.1	32.0	29.9	56	0	2.2	2.3	5.490	40.756	35.267	1.32	0.04	0.67	0.01	0.07	0.24	1.807	0.07
195	SJR at Stockton WWTP outfall	05/07/08	11:57	30.0	14.3	44.4	40.0	56	0	2.2	2.3	5.912	44.177	38.264	1.16	0.02	0.68	0.01	0.07	0.31	1.840	nd
84	SJR at Garwood Station	05/08/08	11:58	36.3	11.9	48.2	45.1	49	0	2.8	2.2	5.265	42.352	37.087	0.77	0.04	0.45	0.01	0.05	0.27	2.686	0.08
127	SJR at Brant Bridge	05/08/08	11:35	20.1	4.3	24.3	23.5	54	0	2.7	2.1	4.783	36.824	32.040	0.96	0.02	0.62	0.01	0.05	0.23	2.585	0.08
193	Stockton WWTP effluent	05/08/08	12:15	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow	no flow
194	SJR at Burns Cutoff	05/08/08	12:33	25.9	8.5	34.3	32.2	55	0	3.0	2.2	5.677	43.552	37.875	0.91	0.02	1.09	0.01	0.06	0.22	2.629	0.08
195	SJR at Stockton WWTP outfall	05/08/08	12:11	21.0	7.3	28.3	26.4	56	0	2.8	2.4	5.993	48.049	42.056	0.75	0.04	0.57	0.01	0.06	0.22	2.543	0.14

**Appendix D Table 2**  
Laboratory measurements of water quality

Site number	Site name	Sample Date	Sampling Time	Chl-a SM ug/L	Pheophyt on SM ug/L	Algal pigments ug/L	Chl-a TriChrom ug/L	4.5 Alk, mg CaCO3/L	8.3 Alk, mg CaCO3/L	Total Organic Carbon, mg/L	Dissolved Organic Carbon, mg/L	VSS, mg/L	TSS, mg/L	Mineral Solids mg/L	Total N, mg/L	NH <sub>3</sub> -N mg/L	NO <sub>3</sub> -N mg/L	NO <sub>2</sub> -N, mg/L	PO <sub>4</sub> P, mg/L	Total P, mg/L	SUVA (L/mg-M)	Chlorine, mg/L
84	SJR at Garwood Station	05/09/08	13:02	26.34	9.59	35.93	33.33	53	0	3.130	2.217	5.219	39.187	33.967	0.74	0.01	0.50	0.01	0.06	0.20	2.652	0.13
127	SJR at Brant Bridge	05/09/08	12:34	28.58	5.64	34.22	33.23	53	0	3.339	2.178	5.396	40.948	35.552	0.85	0.01	0.58	0.01	0.06	0.22	2.686	0.05
193	Stockton WWTP effluent	05/09/08	13:23	No Flow	No Flow	No Flow	No Flow	94	0	14.154	12.345	18.473	24.541	6.068	27.24	2.93	17.61	2.78	0.94	2.89	2.180	0.05
194	SJR at Burns Cutoff	05/09/08	13:48	23.07	8.57	31.65	29.29	52	0	2.993	2.223	5.512	43.601	38.089	0.77	0.02	0.63	0.01	0.11	0.19	2.824	0.09
195	SJR at Stockton WWTP outfall	05/09/08	13:18	18.61	6.43	25.04	23.40	54	0	2.751	2.359	5.536	42.306	36.770	0.66	0.02	0.58	0.02	0.06	0.20	2.620	0.14
84	SJR at Garwood Station	05/10/08	12:45	28.22	6.40	34.62	4.38	54	0	2.742	2.021	5.676	38.313	32.638	0.77	0.01	0.60	0.01	0.05	0.31	2.895	0.15
127	SJR at Brant Bridge	05/10/08	12:25	26.73	5.68	32.40	4.33	54	0	2.884	2.025	4.689	32.991	28.302	0.78	0.01	0.53	0.01	0.05	0.22	2.804	0.11
193	Stockton WWTP effluent	05/10/08	13:01	1.54	1.58	3.12	0.10	80	0	10.066	9.472	2.881	4.596	1.715	23.04	5.32	14.67	0.94	0.24	0.38	1.861	0.04
194	SJR at Burns Cutoff	05/10/08	13:26	35.00	11.29	46.28	5.40	55	0	3.282	2.240	5.460	42.032	36.572	1.25	0.12	0.84	0.02	0.06	0.28	2.915	0.16
195	SJR at Stockton WWTP outfall	05/10/08	12:55	24.89	8.15	33.03	4.02	55	0	2.649	2.225	6.257	48.465	42.208	1.23	0.05	0.86	0.02	0.06	0.25	2.894	0.12
84	SJR at Garwood Station	05/11/08	14:06	24.87	4.40	29.27	28.63	54	0	2.806	1.896	5.247	36.691	31.444	0.70	0.01	0.85	0.01	0.06	0.22	3.169	0.10
127	SJR at Brant Bridge	05/11/08	13:45	33.01	5.80	38.81	37.90	54	0	2.540	1.865	5.017	35.071	30.054	0.74	0.02	0.73	0.01	0.05	0.32	3.196	0.13
193	Stockton WWTP effluent	05/11/08	14:15	7.47	2.97	10.44	9.47	101	0	10.522	10.801	2.890	4.005	1.115	21.62	5.30	15.56	0.82	0.15	0.31	1.859	1.10
194	SJR at Burns Cutoff	05/11/08	14:38	25.55	6.56	32.11	30.63	56	0	2.766	2.013	5.391	40.278	34.887	1.18	0.09	0.84	0.01	0.06	0.25	3.363	0.16
195	SJR at Stockton WWTP outfall	05/11/08	14:22	38.20	11.64	49.84	46.93	54	0	2.791	1.941	6.529	48.884	42.355	1.23	0.03	0.69	0.01	0.06	0.23	3.395	0.18
84	SJR at Garwood Station	05/12/08	15:34	23.59	4.81	28.41	27.53	52	0	2.633	2.245	5.641	37.997	32.36	1.02	0.02	1.04	0.01	0.06	0.26	2.753	0.11
127	SJR at Brant Bridge	05/12/08	15:14	29.62	2.87	32.49	32.62	53	0	2.079	2.097	5.442	38.887	33.44	0.77	0.02	0.74	0.01	0.10	0.26	2.856	0.06
193	Stockton WWTP effluent	05/12/08	15:45	7.06	1.20	8.26	7.98	91	0	10.289	10.325	2.568	3.698	1.13	22.54	3.50	16.05	0.59	0.07	0.19	1.760	0.04
194	SJR at Burns Cutoff	05/12/08	16:13	23.37	5.19	28.56	27.55	53	0	2.717	2.445	5.434	39.197	33.76	1.31	0.06	1.06	0.03	0.06	0.24	2.675	0.11
195	SJR at Stockton WWTP outfall	05/12/08	15:54	24.41	6.73	31.14	29.56	53	0	3.866	2.227	6.202	47.464	41.26	0.70	0.01	0.84	0.01	0.06	0.27	2.807	0.11
84	SJR at Garwood Station	05/13/08	6:17	21.26	8.04	29.30	27.08	53	0	2.815	2.112	5.649	46.825	41.177	0.79	0.00	0.67	0.01	0.06	0.25	3.172	0.13
127	SJR at Brant Bridge	05/13/08	5:56	28.89	6.88	35.77	34.29	53	0	2.574	2.097	5.563	43.930	38.368	0.84	0.01	0.63	0.01	0.05	0.22	2.961	0.10
193	Stockton WWTP effluent	05/13/08	6:26	6.19	1.04	7.23	7.04	83	0	9.669	9.867	1.844	2.508	0.664	23.70	3.68	19.53	0.41	0.07	0.16	1.792	0.04
194	SJR at Burns Cutoff	05/13/08	6:51	17.73	8.20	25.92	23.43	54	0	2.596	2.343	5.449	39.886	34.437	1.21	0.04	0.81	0.01	0.06	0.26	3.031	0.09
195	SJR at Stockton WWTP outfall	05/13/08	6:33	17.52	7.22	24.74	22.70	53	0	2.744	2.285	5.610	46.738	41.128	1.14	0.01	0.68	0.01	0.06	0.21	3.041	0.11
84	SJR at Garwood Station	05/14/08	7:11	23.89	7.24	31.14	29.35	54	0	2.444	1.963	5.556	42.163	36.607	1.17	0.00	0.68	0.01	0.06	0.18	3.307	0.13
127	SJR at Brant Bridge	05/14/08	6:47	26.51	6.16	32.67	31.40	55	0	2.646	1.946	5.799	46.321	40.522	1.25	0.00	0.71	0.01	0.06	0.23	3.386	0.08
193	Stockton WWTP effluent	05/14/08	7:23	4.18	0.82	5.00	4.84	69	0	9.271	8.668	1.320	1.906	0.585	24.16	2.25	18.75	0.28	0.05	0.12	1.923	0.08
194	SJR at Burns Cutoff	05/14/08	7:50	22.67	8.41	31.09	28.80	53	0	3.108	2.342	6.459	51.503	45.044	1.82	0.04	1.35	0.03	0.07	0.28	3.276	0.06
195	SJR at Stockton WWTP outfall	05/14/08	7:26	27.34	10.27	37.61	34.80	52	0	2.509	2.121	5.596	44.845	39.249	1.34	0.03	0.85	0.01	0.08	0.32	3.281	0.07
84	SJR at Garwood Station	05/15/08	8:47	27.46	6.81	34.27	32.81	55	0	2.628	1.915	5.624	40.489	34.865	1.29	0.01	0.71	0.01	0.06	0.24	3.483	0.18
127	SJR at Brant Bridge	05/15/08	8:19	30.89	7.15	38.04	36.57	57	0	2.604	1.801	5.596	46.125	40.529	1.24	0.03	0.60	0.01	0.06	0.22	3.225	0.16
193	Stockton WWTP effluent	05/15/08	9:00	4.36	1.14	5.49	5.20	70	0	9.010	9.621	1.801	2.723	0.922	24.78	3.56	15.47	0.26	0.06	0.23	1.656	0.12
194	SJR at Burns Cutoff	05/15/08	9:22	13.23	3.53	16.76	15.95	56	0	3.304	2.299	6.135	43.090	36.955	1.90	0.03	1.27	0.01	0.08	0.25	3.119	0.12
195	SJR at Stockton WWTP outfall	05/15/08	9:05	24.03	7.11	31.14	29.42	56	0	2.779	2.022	6.672	52.878	46.206	1.50	0.01	0.79	0.01	0.08	0.25	3.357	0.17