

Chedoke Creek All Data - 2014 to 2019

Sample Locations	Description
CP-11	Site CP-11 is located at the downstream end of Chedoke Creek at the Kay Drage Park pedestrian bridge before it drains into Cootes Paradise marsh.
CC-3	Site CC-3 is located on the main branch of Chedoke Creek downstream of the Aberdeen Combined Sewer Overflow (CSO). This sampling site is located at the opening of an underground section of the channel.
CC-5	Site CC-5 is located on a branch of Chedoke creek just upstream of the Stroud Park CSO.
CC-7	Site CC-7 is located near one of the headwater branches of Chedoke Creek. This site is located at Princess Falls where the creek is piped out on the edge of the escarpment.
CC-9	Site CC-9 is located on the main branch of Chedoke creek downstream of Chedoke Falls.
CP-11 Outlet	TEMPORARY Location during 2018 - Site CP-11 Outlet is located at the downstream end of the Glen Road box culvert.
CC-2	TEMPORARY Location during 2018 - Site CC-2 is located between Longwood and Glen Road, upstream of where the CC-3 tributary enters the main channel.
CC-5a	TEMPORARY Location during 2018 - Site CC-5a is located downstream of the Royal Ave / Stroud Park CSO.
CC-10	TEMPORARY Location during 2018 - Site CC-10 is located downstream of Lower Westcliff/ Lower Cliffview Falls in the Chedoke Creek golf course.

Date	Ammonia + Ammonium as N mg/L	Nitrate as N mg/L	Nitrite as N mg/L	o-Phosphate as P mg/L	Phosphorus Total mg/L	Total Suspended Solids mg/L	Volatile Suspended Solids mg/L	Escherichia coli CFU/100mL	Temperature °C	Conductivity (µS/cm³)	Dissolved Oxygen (mg/L)(% Sat.)	pH	Turbidity (NTU)
2014-05-06	2.18	1.97	0.16	<0.2	0.306	9.2	5.8	53000	13.5	1364	7.34	8.09	
2014-05-20	0.54	1.85	0.07	<0.05	0.156	9.5	4.3	2600	12.13	1705	7.95	7.65	
2014-06-04	2.45	0.08	0.2	<0.2	0.508	19	12.1	420000	21.5	795	1.21	7.55	
2014-06-16	3.04	0.32	0.16	<0.2	0.66	21.5	16.5	120000	19.5	1119	4.06	7.51	
2014-07-02	0.9	0.82	0.1	<0.2	0.306	29	16.6	1900	24.1	1286	5.3	7.86	
2014-07-14	0.19	0.65	0.04	<0.05	0.296	25.9	15.4	60000	18.8	1044	7.85	7.8	
2014-07-28	3.15	1.35	0.09	0.28	0.956	89.6	30.1	1120000	18.84	739	5.57	7.55	
2014-08-11	0.41	1.06	0.18	<0.2	0.642	52.4	40	260000	23.61	1049	16.22	8.7	26.1
2014-08-25	0.23	1.25	0.1	<0.2	0.502	55.5	34.8	2900	22.64	1106	17.63	8.84	30.1
2014-09-08	2.54	1	0.07	<0.2	0.397	7	4	120000	20.77	1153	2.3	7.59	9.5
2014-09-23	2.53	0.89	<0.05	<0.2	0.496	12.4	6.4	550000	16.18	1242	9.99	7.96	12.5
2015-04-09	6.11	2.93	0.11	0.92	1.25	48.5	25.3	900000	7.6	1943	12.74	7.98	63
2015-04-20	4.53	1.35	0.07	0.46	1.06	58	34.4	900000	9.38	1090	11.27	7.47	74.3
2015-05-04	0.55	1.89	0.07	<0.2	0.113	<3	<3	5900	13.97	1891	11.97	7.41	55.6
2015-05-19	0.75	1.43	0.05	<0.2	0.207	10.4	6.2	420	19.18	1790	7.98	7.78	41.3
2015-06-01	4.1	1.8	0.11	0.3	0.508	22.7	17.3	620000	14.18	1609	5.72	7.65	43
2015-06-15	2.86	0.11	0.19	<0.2	0.501	28.7	10.6	650000	18.19	695	0.42	7.29	51
2015-06-30	2.87	1.54	0.43	<0.2	0.465	5	5	490000	17.53	1694	1.88	7.49	41
2015-07-13	0.02	0.28	0.11	<0.2	0.324	34	21.2	220	20.3	1420	16.14	7.92	
2015-07-27	1.05	0.17	0.15	<0.2	0.475	27.6	20.4	110000	23.6	1444	6.65	7.85	181.3
2015-08-10	0.27	0.55	0.1	<0.2	0.369	24.8	20	280	19.9	1477	5.27	6.79	92
2015-08-24	0.38	0.97	0.2	<0.2	0.3	38.8	18.9	4700	22.42	1144	5.14	8.04	48.5
2015-09-08	4.72	0.87	0.12	<0.2	0.826	28.8	14.4	889000	21.96	580	3.46	7.77	105
2015-09-22	1.56	0.84	0.16	<0.2	0.306	14.4	10.4	1790	20.27	1283	9.26	7.28	221
2015-10-15	0.84	1.83	0.06	<0.2	0.34	5.8	3.8	640	12.73	1482	10.33	7.65	104
2015-10-22	0.92	1.9	0.06	<0.2	0.379	10.9	7	4800					
2015-11-03	0.51	2.12	<0.05	<0.2	0.299	15.2	2.6	4800	13.57	1610	8.73	7.57	30
2015-11-18	0.61	2.59	<0.05	<0.2	0.229	2.2	1.6	750	10.78	1643	--	7.7	--
2016-04-12	2.33	2.68	<0.05	<0.2	0.386	10.4	6.2	80000	8.47	2188	12.36	--	--
2016-04-28	4.4500	1.37	<0.05	0.2	0.518	9.4	6.6	162000	10.1	1291		7.5	9.7
2016-05-11	0.02	1.46	0.05	<0.2	0.62	47.2	35.2	150					
2016-05-25	0.0200	0.59	<0.05	<0.2	0.762	70	45	10	22	1498		8.42	31.2
2016-06-16	4.0600	0.8	0.28	<0.2	0.716	29.8	22.2	1350000	17.7	600	1.93	7.28	21.1
2016-06-22	1.9800	0.28	0.08	<0.2	0.521	18.8	12	12300	25.6	1179	6.93	7.71	12.3
2016-07-06	0.1600	0.59	<0.05	<0.2	0.632	57.5	45.5	150	26.8	1459	16.75	8.09	15.5
2016-07-19	0.4300	0.79	0.17	<0.2	0.421	33.2	25.6	510	24.1	1372	17.31	8.19	17.3
2016-08-04	0.0400	0.67	<0.05	<0.2	1.04	104	89.6	130	27.9	1267	22.18	8.5	41.1
2016-08-17	3.2000	0.9	<0.05	<0.2	0.433	3.8	2.6	34000	24.9	683	0.94	7.44	
2016-08-31	0.7500	1.67	<0.05	<0.2	0.36	19.6	10.6	2200	23.4	1491	6.25	7.74	8.7
2016-09-14	0.8300	1.41	0.2	<0.2	0.828	38	38	3400	21.8	1346	9.4	7.82	17.6
2016-09-28	2.1400	1.66	0.06	<0.2	0.375	3.4	2.8	39000	17.4	982	4.92	7.43	6.1
2016-10-12	0.8100	2.49	0.19	<0.2	0.232	4.4	1.6	600	14	1337	8.19	7.62	5.1
2016-10-26	0.5000	2.37	<0.05	<0.2	0.232	3.8	1.8	3500	7.6	1120	9.15	7.54	4.2
2016-11-09	2.4800	2.01	0.1	<0.2	0.506	11.1	4.7	640000	11.5	1031	5.2	7.39	15.5
2016-11-24	1.2100	1.61	<0.05	<0.2	0.393	17.8	4.8	132000	7.8	566	10.9	7.82	20.6
2016-12-07	0.2300	1.82	<0.05	<0.2	0.226	8.9	3.3	21600	6.8	627	10.9	7.84	8.8
2016-12-21	0.1500	2.83	<0.05	<0.2	0.237	4.8	0.8	1100	0.9	1599	13.33	7.64	6.8
2017-01-04	0.0015	3.36	<0.05		0.189	15.5	5.9	5100	4.5	1780	12.47	7.88	11
2017-01-18	0.4700	2.84	<0.05	<0.2	0.171	11.6	3.6	13000	5.4	1248	10.96	7.68	13.7
2017-02-01	0.1200	2.22	<0.05	<0.2	0.158	<4	<4	600	3.4	3218	10.48	7.73	7.4
2017-02-15	0.3400	2.2	<0.05	<0.2	0.137	8	3.5	7000	4.9	1030	11.05	7.31	8.1
2017-03-01	2.8200	3.28	<0.05	<0.2	0.713	52	19	480000	10	946	10	7.82	35
2017-03-15	0.07	2.47	<0.05	0.1	0.109	<3	<3	80	1.4	1187	12.85	7.89	4.6
2017-03-29	0.37	3.06	<0.05	0.12	0.162	4.2	2.7	1500	9	1387	12.74	7.54	5.4
2017-04-12	8.02	<0.05	0.9		1.050	13.5	10.7	660000	11.8	1276	11.58	7.28	21
2017-04-27	0.52	1.48	<0.05		0.130	9.1	4.1	420	10.6	1314	12.08	7.55	7.4
2017-05-11	2.10	1.27	0.11		0.294	5.0	4.5	5000	12.7		10.93	7.27	4.6
2017-05-24	0.97	0.76	0.26		0.283	10.2	9.3	41000	14.7	1062	10.64	7.01	9.4
2017-06-07	1.84	0.68	0.16		0.454	12.0	11.7	440000	14.4	766	10.79	7.13	25.5
2017-06-21	0.83	<0.1	<0.1		0.293	18.7	9.3	40000	20.5	611	9.55	7.3	21.5
2017-07-05	0.46	0.22	0.16		0.466	41.3	27.3	4000	22.4	1035	8.55	7.25	16
2017-07-19	0.10	0.17	0.07		0.359	28.9	21.2	800	22.4	1145	8.7	7.01	23.2
2017-07-27	0.75	0.77	0.12		0.484	24.4	18.5	2680	19.9	1021	9.3	7.54	19.2
2017-08-16	0.28	0.84	<0.1		0.540	42.0	34.0	3400	21.2	1086	9.22	7.77	13.4
2017-08-30	0.87	0.99	0.13		0.630	42.8	32.8	670	19.9	1290	9.22	7.85	16.9
2017-09-15	0.99	1.36	0.11		0.740	29.0	22.0	1120	20.4	1259	9.15	7.59	13.5
2017-09-27	1.86	0.99	0.12		0.709	32.3	24.3	200	23.6	1368	8.27	7.49	17.7
2017-10-11	3.02	<0.1	<0.1		0.742	10.5	7.7	1540000	17.2	893	9.23	7.56	9.8

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2017-10-25	1.28	1.56	<0.05		0.485	8.8	5.0	210000	12.4	738	10.41	7.74	10.6
2017-11-08	0.38	2.50	<0.1		0.278	5.9	3.9	6400	8.1	885	12.21	7.46	9
2017-11-22	2.09	2.36	<0.05		0.495	11.5	7.0	1810000	7.7	844	11.52	7.69	11.2
2017-12-06	1.36	2.31	<0.05		0.377	8.8	5.2	83000	4.3	704	15.21	7.5	9.2
2017-12-20	0.71	2.58	<0.05		0.276	13.2	5.4	2600	4.6	1531	13.74	7.35	10.2
2018-01-03									ice				
2018-01-17	0.37	2.96	<0.05	0.16	0.202	6.0	3.0	12400	1.1	1162	16.17		9
2018-02-13	3.45	0.86	0.06	0.46	0.708	19.2	12.4	11000					
2018-02-14	2.58	2.05	0.07	0.22	0.496	13.6	10.8	109000					
2018-02-28	1.23	2.68	0.05	0.22	0.276	9.7	5.1	37000					
2018-03-14	3.06	1.69	0.1	0.39	0.696	12.7	8.1	210000	3.7	1686	7.57	6.94	382.6
2018-03-28	6.62	1.48	0.15	0.39	0.951	20.6	15.9	420000	7.4	1075	6.97	7.16	16.2
2018-04-11	3.63	2.05	<0.1		0.582	13.1	9.5	290000	5.7	1091	9.58	7.57	10.5
2018-04-25	3.36	1.17	<0.1		0.801	26.4	14.8	580000	9.7	978	8.93	7.54	27.1
2018-05-09	8.65	0.48	0.17		1.22	21.0	18.0	650000	12.8	1190	2.23	6.49	12.3
2018-05-23	5.36	<0.1	<0.1		1.040	25.8	16.5	660000	13.7	1103	0.78	6.68	87.1
2018-06-07	13.10	<0.05	0.12		2.030	23.9	21.3	3600000	15.7	1155	0.68	6.74	59
2018-06-20	6.54	<0.05	<0.05		1.390	36.3	28.4	2500000	16.6	1060	0.43	6.97	14.6
2018-07-04	5.88	<0.05	<0.05		1.560	47.4	42.1	1160000	19.2	1194	0.54	6.89	67.4
2018-07-18	5.49	<0.05	<0.05		1.610	60.8	55.7	1800000	21.1	1204	0.59	7.09	16.6
2018-08-01	1.39	1.48	0.37		0.423	28.9	12.9	1000	22.6	1340	8.16	7.26	33.1
2018-08-15	1.16	1.05	0.11		0.935	47.4	39.2	7300	25.7	1366	0.65	8.02	29.1
2018-08-29	1.15	1.35	0.1		0.312	8.1	2.3	190	25.1	1311	1.97	7.42	24.7
2018-09-11	0.49	1.83	<0.05		0.24	14.4	4.4	12300	16.7	820	5.54	7.7	31.7
2018-09-27	0.69	1.53	0.43		0.262	23.2	6	7200	16.1	860	5.48	7.66	30.1
2018-10-10	0.74	2.21	0.08		0.24	7.6	2	830	19.4	1253	5.43	7.38	15.1
2018-10-31	0.21	0.77	0.06		0.181	24.6	5.6	35000	11.8	227.1	10.3	8	42.6
2018-11-07	0.24	2.38	<0.05		0.186	6.4	2	900	9.6	877	10.45	8.11	11.5
2018-11-20	0.32	2.38	<0.05		0.28	6.2	1	1500	7.2	919	11.79	8.02	26.6
2018-12-05	0.28	2.2	<0.05	0.26	0.282	7.9	<0.8	11400	4.3	870	12.49	8.13	11.7
2018-12-19	0.22	2.44	<0.05	0.3	0.3	3.6	1.4	100	3.5	755	12.42	7.92	9
2019-01-02	0.17	3.05	<0.05	0.2	0.217	3.7	1.7	1900	3.6	811	12.92	8.07	10.8
2019-01-18									ice				
2019-02-19	0.14	2.42	<0.1		0.257	2.9	1.4	<10	1	1210	14.15	8.15	7.3
2019-03-01	0.11	2.39	<0.05		0.278	6.4	2.4	<10	0.1	1232	14.71	8.12	15.7
2019-03-08									ice				
2019-03-13	0.36	1.96	<0.05		0.252	11.2	2.2	3300	2.8	1053	12.59	8.04	25.4
2019-03-27	0.28	2.17	<0.05	0.22	0.28	3.3	2	<10	4.9	1117	12.4	8.18	5.8
2019-04-15	0.19	2.43	<0.05	0.12	0.196	18.6	2.6	3700	7.2	758	11.98	8.09	27.7
2019-04-24	0.46	2.65	0.06	0.13	0.218	19.9	3.4	330	9.1	1136	9.74	8.27	8.5
2019-05-08	0.24	1.49	<0.05	0.08	0.161	13.3	3.3	920	12.2	732	10.43	8.09	27.2
2019-05-22	0.02	0.78	0.05	<0.05	0.214	42.2	15	80	15	934	22.05	8.28	22.3
2019-06-05	0.21	1.16	<0.05	0.12	0.422	143	17.2	13300	15.2	771	12.31	8.06	105.2
2019-06-19	0.02	0.49	0.07	<0.05	0.216	16.8	10.8	20	20.2	931	9.08	8.29	12.7
2019-07-03	0.11	0.25	<0.05	<0.05	0.135	12	5.6	1500	19.8	688	3.15	8.52	64.2
2019-07-17	0.08	0.6	<0.05	<0.05	0.264	23	11.5	1600	21.2	640	8.31	8.4	87
2019-07-31	<0.01	<0.05	<0.05	<0.05	0.137	23.4	10.6	900	22.3	748	4.76	8.11	37.6
2019-08-15	0.01	0.06	<0.05	<0.05	0.21	27.7	17.1	200	21.8	1008	10.31		23.7
2019-08-28	0.15	0.97	<0.05	0.14	0.284	19	8.3	8500	23	700	8.75		18.5
2019-09-13	0.44	1.12	<0.05	0.23	0.252	30.8	6.8	8000	16.8	666	6.31	7.5	60.2
2019-09-26	0.78	1.84	0.06	0.2	0.357	20	5.4	440	18.9	1017	5.91	7.59	38.2
2019-10-09	0.59	2.02	0.07	0.21	0.363	17.4	3.6	780	14.4	985	7.77	7.64	35.4
2019-10-23	0.39	1.32	<0.05	0.25	0.35	28.3	5.4	8200	12.7	524	8.42	7.68	32.1
2019-11-06	0.46	2.73	0.09	0.32	0.389	8.5	2	690	8	840	10.22	7.89	10.1
2019-11-20	0.16	2.39	0.05	0.25	0.275	6.4	2	4700	8.4	1152	11	8	14.4
2019-12-04	0.2	2.55	<0.05	0.2	0.261	13.2	3	4500	5.9	1815	11.79	8.05	9.5
2019-12-18	0.4	2.58	<0.05	0.18	0.249	3.2	<0.8	370	3	1342	13.09	6.44	6.5

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2018-04-11	0.34	2.37	<0.1		0.163	4	4	21900	4.8	879	11.21	7.79	4
2018-04-25	0.11	2.44	<0.1		0.123	10.6	5.6	16000	7.2	742	10.79	7.71	11.6
2018-05-09	0.24	2.58	0.06		0.152	4.4	2.9	4800	9.5	970	9.22	7.78	1.4
2018-05-23	0.39	2.39	0.1		0.193	6.7	3.6	590	10.5	955	8.85	7.8	3.2
2018-06-07	0.52	1.85	0.11		0.267	2.9	2.9	15800	12.4	1016	7.78	7.55	1.9
2018-06-20	0.02	2.08	<0.05		0.223	10	3.4	3000	15.2	1069	9.3	7.96	7
2018-07-04	0.15	2.32	0.05		0.26	8.5	4	81000	17.6	1182	8.41	7.86	6.6
2018-07-18	0.15	2.03	0.07		0.264	14.1	6.1	104000	16.9	1071	8.29	7.85	7.3
2018-08-01	0.18	2.43	0.26		0.246	9.6	4.7	610000	18.3	1113	8.16	7.91	7.1
2018-08-15	0.02	2.24	<0.05		0.271	16	4.4	5000	19	1052	8.78	8	8.2
2018-08-29	0.04	1.55	<0.05		0.167	10.5	3.3	110000	19.5	1026	8.53	8.09	5.1
2018-09-11	<0.01	2.23	<0.05		0.208	12	3.2	6400	16.1	960	9.7	8.07	8.7
2018-09-27	<0.01	2.44	0.11		0.248	8.6	1.8	800	15	1013	9.91	7.64	5.5
2018-10-10	0.01	2.6	0.16		0.23	6.4	3.2	810	17.1	1129	9.28	7.76	5.2
2018-10-31	0.01	1.32	<0.05		0.291	24.2	8.1	7000	11.1	464	10.61	7.87	37.6
2018-11-07	0.06	2.32	<0.05		0.123	<3	<3	4100	10.1	969	10.85	7.98	2.2
2018-11-20	0.08	2.03	<0.05		0.152	<2	<2	11000	6.9	868	11.79	8.01	2.2
2018-12-05	<0.01	3.13	<0.05	0.12	0.126	<3	<3	1070	5.9	866	12.24	8.02	1.5
2018-12-19	0.02	2.79	<0.05	0.19	0.192	2.4	1.8	1790	4.8	797	12.31	7.92	2.6
2019-01-02	0.01	3.73	<0.05	0.13	0.129	2.9	1.8	1300	4.6	780	12.62	8	2
2019-01-18	0.06	2.96	<0.05		0.177	<2	<2	1890	2.5	818	13.17	8	1.3
2019-02-19	0.11	3.3	<0.1		0.118	3	2.1	4100	1.9	1326	13.42	8	4.9
2019-03-01	0.04	3.19	<0.05		0.117	4.2	1.6	200	2.1	1500	13.08	7.95	6.1
2019-03-08	0.02	3.02	<0.05		0.159	5.6	1.4	600	1.2	870	13.41	8	5.8
2019-03-13	0.08	3.36	<0.05		0.099	2.7	1.6	1500	2.9	1500	13.02	7.94	1.2
2019-03-27	0.02	3.29	<0.05	<0.05	0.084	24.7	5.2	670	3.5	970	12.59	8.12	28.1
2019-04-15	0.01	3.35	<0.05	0.07	0.093	4.6	1.6	990	5.5	787	11.96	7.88	3.2
2019-04-24													
2019-05-08	<0.01	3.38	<0.05	0.06	0.07	<3	<3	120	8	814	11.47	7.95	2.1
2019-05-22	0.01	3.06	<0.05	0.13	0.151	1.6	1.2	1700	11.7	630	11.41	8.12	2.1
2019-06-05	0.28	0.66	<0.05	0.09	0.407	136	32.1	19000	16.4	258	9.19	8.09	85.7
2019-06-19	0.01	2.15	<0.05	0.16	0.18	8	3	640	13	967	9.53	8.16	6.4
2019-07-03	0.3	1.91	<0.05	0.29	0.37	15.6	7.6	60000	16.5	964	7.96	8.07	11.8
2019-07-17	0.05	1.41	<0.05	0.21	0.319	59.6	15.2	32000	17.7	534	9	8.05	42.4
2019-07-31	0.28	2.38	0.27	0.41	0.447	8.7	4.2	36000	17.4	817	8.91	8.84	6.7
2019-08-15	0.18	2.22	<0.05	0.41	0.439	14.1	5.1	8800	16.5	880	9.11		8.7
2019-08-28	0.15	2.02	<0.05	0.37	0.417	6.3	3.5	42000	17.8	910	8.54		5.1
2019-09-13	0.06	2.24	<0.05	0.36	0.36	8.2	4	23000	15.9	866	9.62	8.03	7.5
2019-09-26	0.07	2.78	<0.05	0.42	0.469	7.3	3.7	11000	16.3	851	8.88	7.99	6.4
2019-10-09	0.15	2.45	<0.05	0.46	0.479	7.3	3.2	35000	13.1	790	9.97	8.06	5
2019-10-23	<0.01	2.07	<0.05	0.39	0.409	5.6	2.8	740	11.4	739	10.7	8.11	5.3
2019-11-06	<0.01	3.12	<0.05	0.38	0.414	3.4	2.1	560	9.2	842	11.34	8.03	3.8
2019-11-20	<0.01	2.88	<0.05	0.27	0.286	3.1	1.3	4100	8.6	1014	11.38	8.09	2.8
2019-12-04	0.01	3.01	<0.05	0.25	0.315	48.2	7.9	2600	7.2	1255	11.52	8.05	28.2
2019-12-18	0.04	3.26	<0.05	0.27	0.303	5.1	2.4	32700	4.2	1010	12.8	6.47	4.8

Date	Ammonia + Ammonium as N mg/L	Nitrate as N mg/L	Nitrite as N mg/L	o-Phosphate as P mg/L	Phosphorus Total mg/L	Total Suspended Solids mg/L	Volatile Suspended Solids mg/L	Escherichia coli CFU/100mL	Temperature °C	Conductivity (µS/cm³)	Dissolved Oxygen (mg/L)(% Sat.)	pH	Turbidity (NTU)
2018-04-11	<0.1	1.61	<0.1		0.16	<2	<2	130	5.3	863	14.35	8.28	3.7
2018-04-25	0.03	1.45	<0.1		0.128	17.3	4.3	2800	7.8	697	11.62	8.06	21.9
2018-05-09	<0.1	1.92	<0.05		0.154	4	1.4	440	13.3	845	14.41	8.51	6.9
2018-05-23	<0.01	2.33	<0.1		0.202	10	1.7	820	14.1	798	11.87	8.32	8.3
2018-06-07	0.04	2.59	<0.05		0.341	15.7	3.1	600	15.9	853	9.91	7.94	18.5
2018-06-20	0.02	2.79	<0.05		0.436	12.9	2.3	3600	15.9	790	9.52	7.99	20.3
2018-07-04	0.03	2.65	<0.05		0.398	13.7	3.4	3200	20	846	9.88	8.08	18.5
2018-07-18	0.09	1.95	<0.05		0.361	12.3	1.8	580	18.5	655	9.76	8.2	15.3
2018-08-01	0.1	2.44	<0.05		0.351	8.5	1.3	330	19	709	9.09	8.13	6.5
2018-08-15	0.01	2.53	0.16		0.396	7	1.6	500	19.7	750	9.75	8.23	6.4
2018-08-29	0.01	2.96	0.11		0.397	6.2	1.8	520	20.6	811	8.88	8.07	5.4
2018-09-11	0.01	1.77	0.72		0.196	8.4	2.8	250	16.8	781	9.62	8.01	9.6
2018-09-27	<0.01	2.22	<0.05		0.357	5.2	1	650	15.9	693	10.13	8.01	6.5
2018-10-10	<0.01	3.08	<0.05		0.393	7.2	2	700	18.1	767	9.4	7.86	12.2
2018-10-31	0.02	1.36	<0.05		0.206	23.5	4.6	6200	11.2	349	10.71	8	47
2018-11-07	<0.01	2.26	<0.05		0.18	4	2	900	10.2	698	11.2	8.13	18
2018-11-20	<0.01	2.35	<0.05		0.362	27.1	2.9	600	7	721	12	8.1	33
2018-12-05	<0.01	2.59	<0.05	0.26	0.271	4.8	0.8	170	5.9	770	12.48	8.03	8.3
2018-12-19	<0.01	2.6	<0.05	0.46	0.471	8.9	1.4	950	5.9	548	12.53	8.1	11.4
2019-01-02	<0.01	2.37	<0.05	0.16	0.167	8.3	2.2	630	4.2	738	13.09	8.08	9.2
2019-01-18	0.04	2.51	<0.05	0.67	0.753	87.2	11.6	850	4	653	13.07	8.09	70
2019-02-19	0.02	2.09	<0.1		0.302	2.6	1.4	1400	2.5	842	14.25	8.25	5.3
2019-03-01	0.01	2.21	<0.05		0.306	3.6	1.4	180	3	970	13.08	8.19	5
2019-03-08	0.01	2.1	<0.05		0.436	5.8	1.6	210	1.5	490	14.58	8.27	5.2
2019-03-13	<0.01	1.8	<0.05		0.209	11.8	2.4	740	2.9	905	13.54	8.01	12.7
2019-03-27	0.08	1.59	<0.05	0.4	0.513	22.2	4.9	1160	5.2	616	14.4	8.44	31.8
2019-04-15	0.01	1.88	<0.05	0.1	0.153	21.2	3.6	1710	5.9	737	12.4	7.99	36.1
2019-04-24	<0.01	2.25	<0.05	0.13	0.16	5.6	1.8	170	9.2	1049	11.45	8.2	6.9
2019-05-08	<0.01	1.74	<0.05	0.1	0.135	3	1	670	10.8	810	12.04	8.15	9
2019-05-22	<0.01	3.06	<0.05	0.19	0.225	1.8	<0.8	250	10	870	12.19	8.19	3.2
2019-06-05	0.51	1.48	0.05	0.22	3.66	3660	337	78000	14.4	257	9.69	8.29	1037
2019-06-19	0.02	2.88	<0.05	0.38	0.447	13.1	3.3	1720	15.4	788	9.3	8.46	26.8
2019-07-03	0.03	2.04	<0.05	0.27	0.311	8.4	2.8	3700	17.4	969	8.73	8.08	15.2
2019-07-17	0.02	1.15	<0.05	0.17	0.327	79.6	13.3	22000	17.9	528	9.16	8.1	95.4
2019-07-31	0.02	1.76	<0.05	0.19	0.306	64.2	6	3800	19.7	720	8.96	9.53	70.4
2019-08-15	0.02	2.56	<0.05	0.4	0.428	7	2.3	1390	17.5	824	9.08		12.2
2019-08-28	<0.01	1.94	<0.05	0.31	0.347	9.3	2.8	1000	17.9	917	8.86		16.7
2019-09-13	0.01	1.75	<0.05	0.24	0.236	7.8	2	1800	16.1	885	9.68	8.13	13.5
2019-09-26	0.02	3.45	<0.05	0.52	0.606	16.7	4.8	2100	16	835	9.2	8.29	27
2019-10-09	0.02	2.93	0.29	0.44	0.457	14.3	4	970	11.6	817	10.7	8.16	10.8
2019-10-23	0.02	1.75	<0.05	0.27	0.284	7.4	1.6	930	10.9	754	10.84	8.24	12.9
2019-11-06	<0.01	2.35	<0.05	0.24	0.26	3.6	1.9	1700	7.5	789	12.04	8.18	7.8
2019-11-20	<0.01	2.25	<0.05	0.19	0.22	9.1	1.8	920	8	1022	11.76	8.2	10.1
2019-12-04	<0.01	2.35	<0.05	0.17	0.222	17.1	4.5	3500	6.2	1495	12.11	8.14	19.2
2019-12-18	<0.01	2.5	<0.05	0.18	0.205	8.2	1.1	620	2.4	1045	13.69	6.45	17.5

Site change from upstream of Stround CSO to Downstream of CSO (CC-5a). All Subsequent Data is at Site CC-5a

Date	Ammonia + Ammonium as N mg/L	Nitrate as N mg/L	Nitrite as N mg/L	o-Phosphate as P mg/L	Phosphorus Total mg/L	Total Suspended Solids mg/L	Volatile Suspended Solids mg/L	Escherichia coli CFU/100mL	Temperature °C	Conductivity (µS/cm³)	Dissolved Oxygen (mg/L)(% Sat.)	pH	Turbidity (NTU)
2018-04-11	0.02	1.59	<0.1		0.075	2.2	1.6	650	5.7	1094	12.59	8.44	3.6
2018-04-25	0.09	0.82	<0.1		0.101	27	5	6600	8.3	508	11.72	7.73	31
2018-05-09	0.01	1.79	0.06		0.076	3	2.2	1020	11.3	1316	10.99	8.26	1.8
2018-05-23	0.09	1.65	<0.1		0.119	9.8	1.6	4200	14.2	1311	10.2	8.24	5.2
2018-06-07	0.16	1.91	0.16		0.207	5.9	2.3	570	13.7	1513	10.16	8.07	6.8
2018-06-20	0.05	2.07	0.28		0.25	8	2.8	4600	16.9	1478	9.41	8.07	9.6
2018-07-04	0.02	2.26	<0.05		0.18	4.9	3.7	6100	15.6	1564	9.11	8.2	6.1
2018-07-18	0.04	0.56	<0.05		0.034	11.3	2.5	1400	17.4	1485	9.43	8.19	6.7
2018-08-01	0.02	2.66	0.76		0.172	10.6	1.7	950	20.2	1638	9.38	8.08	2.3
2018-08-15	0.01	2.29	<0.05		0.191	4.2	1.4	1600	20.2	1635	9.08	8.27	2.3
2018-08-29	0.01	2.43	<0.05		0.195	2.5	1.2	440	22.4	1621	10.46	7.93	10.3
2018-09-11	0.04	1.68	0.16		0.146	<2	<2	6000	15.9	641	10.38	7.62	3.7
2018-09-27	0.07	2.21	0.1		0.243	8.8	2.2	4700	14.3	1047	10.36	7.27	11.2
2018-10-10	0.02	2.63	<0.05		0.263	1.6	1.6	3800	17.5	1449	8.23	6.95	4.3
2018-10-31	0.2	0.5	<0.05		0.19	42.8	7.2	11100	10.6	132.2	10.96	8.47	38.8
2018-11-07	0.14	2.43	0.77		0.177	<3	<3	600	8.2	1007	11.47	8.19	4.1
2018-11-20	0.27	2.01	<0.05		0.217	<2	<2	30	5.3	1025	12.07	7.46	2.6
2018-12-05	0.12	2.34	<0.05	0.12	0.129	<2	<2	840	2.8	1045	12.85	8.51	2.5
2018-12-19	0.15	2.18	<0.05	0.15	0.159	<2	<2	2100	3.6	1148	12.06	8.75	5.5
2019-01-02	0.13	2.45	<0.05	0.07	0.09	1.6	0.8	9400	2.3	917	13.52	8.37	3.7
2019-01-18								11700	1.4	1029	13.08	8.23	3.2
2019-02-19	0.26	1.8	<0.1		0.106	<2	<2	3500	-0.1	1260	14.69	8.17	20.9
2019-03-01	0.17	2.06	<0.05		0.094	2.2	0.8	7000	-0.3	1473	14.08	8.11	3.3
2019-03-08	0.71	1.97	0.07		0.215	23.4	4	39000	0.5	1261	13.8	8.32	13.3
2019-03-13	0.18	0.92	<0.05		0.1	20.9	2.4	190	1.8	1112	13.39	8.11	5.1
2019-03-27	0.02	1.79	<0.05	<0.05	0.062	2.6	2.1	930	1.9	1342	12.86	8.77	3.1
2019-04-15	0.06	1.86	<0.05	<0.05	0.083	15.5	2	26100	5.5	677	12.2	8.2	24.3
2019-04-24	<0.01	1.82	<0.05	<0.05	0.053	<2	<2	3200	7.3	1057	11.91	8.1	2.3
2019-05-08	0.02	1.82	<0.05	<0.05	0.057	<3	<3	4000	11.2	1010	11.34	8.01	3.9
2019-05-22	<0.01	1.44	0.07	<0.05	0.041	3.6	1.6	7000	10.5	1231	11.96	8.16	1.6
2019-06-05	0.05	1.92	0.08	0.06	0.084	<4	<4	1120	14.4	1324	10.3	8.28	2.1
2019-06-19	0.1	1.95	0.09	0.1	0.151	22.3	3	1260	15.2	1432	9.22	8.39	9.2
2019-07-03	0.11	1.46	2.02	0.12	0.176	12	3.6	12000	18.6	753	8.67	7.87	15
2019-07-17	0.17	0.38	<0.05	0.11	0.85	625	54.7	90000	19.9	146.8	9.1	8.47	300.4
2019-07-31	0.07	2.24	1.67	0.18	0.205	5.3	1.6	3400	18.4	1030	9.52	7.82	4.4
2019-08-15	0.02	1.78	<0.05	0.13	0.166	13.3	1.9	5700	17.6	1464	951		5.5
2019-08-28	<0.01	1.06	<0.05	0.12	0.151	<3	<3	2100	18.3	771	9.17		5.9
2019-09-13	0.03	1.75	<0.05	0.14	0.144	<2	<2	2500	15.2	955	10.23	8.21	4.5
2019-09-26	0.6	1.32	0.18	0.29	0.38	10.3	3.8	43000	16.1	1342	9.59	8.23	9.4
2019-10-09	0.05	2.07	4.09	0.17	0.186	3	1.4	3400	10.4	1114	11.12	8.31	4
2019-10-23	0.04	1.34	0.08	0.19	0.214	<3	<3	4100	9.5	855	11.19	7.7	8.3
2019-11-06	0.1	2	0.06	0.12	0.154	<2	<2	3500	4.6	973	12.96	8.05	5.7
2019-11-20	0.14	1.68	0.05	0.1	0.113	<2	<2	1700	7.3	1193	11.96	8.33	4
2019-12-04	0.26	1.74	0.06	0.11	0.135	7.3	2.7	5000	5.5	1525	12.23	8.26	5.8
2019-12-18	0.18	1.88	<0.05	0.11	0.118	1.8	0.9	1040	2.2	1124	13.27	6.47	3.3

Date	Ammonia + Ammonium as N mg/L	Nitrate as N mg/L	Nitrite as N mg/L	o-Phosphate as P mg/L	Phosphorus Total mg/L	Total Suspended Solids mg/L	Volatile Suspended Solids mg/L	Escherichia coli CFU/100mL	Temperature °C	Conductivity (µS/cm³)	Dissolved Oxygen (mg/L)(% Sat.)	pH	Turbidity (NTU)
2018-04-11	0.15	2.99	0.23		0.175	25.2	8	8000	7	1193	11.59	8.09	19.7
2018-04-25	0.25	1.59	<0.1		0.162	26	7.1	18000	9.1	620	11.28	8.04	26.1
2018-05-09	0.15	3.07	0.08		0.264	8.5	3.3	3200	12.4	1197	10.3	8.1	7.3
2018-05-23	0.14	3.25	<0.1		0.258	4.4	1.3	3200	13.2	1160	10.01	8.13	4.1
2018-06-07	0.16	3.45	0.05		0.327	<2	<2	5900	13.9	1143	9.5	7.86	2.9
2018-06-20	<0.01	2.89	0.12		0.253	3.1	1.4	1700	15.4	1104	9.48	8.06	2.5
2018-07-04	<0.01	3.2	0.09		0.288	7.6	1.8	1170	19.2	1246	9.4	8.19	8.7
2018-07-18	<0.01	2.66	<0.05		0.263	3.2	<0.8	590	17.2	1087	8.78	8.03	2.9
2018-08-01	<0.01	3.15	<0.05		0.271	5.7	2.3	1630	18.1	1128	8.57	8.05	2.7
2018-08-15	0.01	3.05	<0.05		0.291	3.2	2.4	9000	19.5	1100	8.58	8.08	2.8
2018-08-29	<0.01	2.92	<0.05		0.262	4.5	1.6	2200	20.7	1138	8.35	8.12	2.2
2018-09-11	0.02	3.23	0.54		0.248	2.7	1	7200	16.6	977	9.23	8.08	2.7
2018-09-27	0.02	3.51	0.42		0.326	3.8	1.8	7100	16	1045	9.31	7.94	3.6
2018-10-10	0.01	3.61	0.2		0.338	5.6	1.8	2900	18	1135	8.75	7.77	5.7
2018-10-31	0.16	0.96	0.09		0.172	14.6	3.7	34000	12.2	206.3	10.31	8.07	41.1
2018-11-07	0.1	3.58	0.72		0.251	3.6	2.4	6300	11.2	967	10.64	8.11	4.7
2018-11-20	0.1	2.14	<0.05		0.446	7.8	2.2	20000	8.3	1023	11.59	8.04	5.9
2018-12-05	0.08	3.28	<0.05	0.39	0.416	3.6	1.6	17700	7.6	941	11.9	8.16	5.8
2018-12-19	0.03	2.83	<0.05	0.39	0.41	12.6	2.6	2000	7.2	797	11.64	7.99	10.8
2019-01-02	0.11	3.54	0.06	0.32	0.347	10.1	2	199900	6.2	880	12.16	8.07	7.8
2019-01-18	0.04	2.56	<0.05	0.45	0.5	8.2	2	1380	5.3	818	13.17	8	1.3
2019-02-19	0.21	2.36	<0.1		0.398	4.1	1.8	12000	3.9	1560	12.93	8.09	4.8
2019-03-01	0.2	2.4	0.09		0.384	7.6	2.8	3400	4.5	1818	12.41	8.02	7.5
2019-03-08	0.14	2.25	0.07		0.442	6.8	1.8	200	3.9	804	12.73	8.13	5.2
2019-03-13	0.17	2.73	0.05		0.349	5.6	1.6	7000	5.1	1148	12.42	7.97	4.8
2019-03-27	0.13	2.51	0.06	0.4	0.45	23.8	3.1	730	6.9	1050	11.78	8.2	18.7
2019-04-15	0.16	3.44	0.07	0.2	0.247	9.4	2.4	13500	7.5	954	11.62	8.03	7.6
2019-04-24	0.15	3.22	0.06	0.31	0.37	7	1.8	2800	9.6	1130	10.62	8.21	6.2
2019-05-08	0.1	3.15	0.1	0.27	0.322	3.7	3	1000	10.3	1062	11.06	8.04	5.4
2019-05-22	0.11	3.03	0.1	0.41	0.474	4.8	1.6	5100	9.8	1000	11.45	8.08	5.5
2019-06-05	0.53	0.44	<0.05	0.08	0.566	231	37.8	37000	17.3	119	9.46	8.18	149.1
2019-06-19	0.03	2.7	0.07	0.43	0.457	4.8	1.8	1100	14.4	995	10.17	8.43	4.8
2019-07-03	0.11	2.63	0.08	0.44	0.475	2.7	2	4000	17.6	909	8.81	8.29	2.3
2019-07-17	0.04	1.32	<0.05	0.21	0.263	8.2	1.8	29000	19.3	419.3	8.62	8.13	13.7
2019-07-31	0.02	2.6	<0.05	0.46	0.493	2.4	<0.8	2000	17.1	819	8.97	8.59	2.5
2019-08-15	<0.01	2.69	<0.05	0.5	0.541	4	1.5	2400	16.1	846	9.22		5.3
2019-08-28	<0.01	2.64	<0.05	0.47	0.505	<3	<3	1700	18.7	932	8.38		3.6
2019-09-13	0.02	2.9	0.06	0.46	0.464	2.2	1.5	5800	16.2	914	9.22	8.05	3.1
2019-09-26	0.02	3.35	0.16	0.44	0.547	5.7	2.7	10800	17.4	754	8.7	8.08	6.7
2019-10-09	0.09	3.07	0.06	0.61	0.606	8.7	2	1600	14.3	795	10.09	8.15	8.2
2019-10-23	0.01	2.75	<0.05	0.52	0.523	4.1	2.4	3500	13.2	756	10	8.11	4.6
2019-11-06	0.49	3.42	0.17	0.62	0.665	4	2	740	10.4	822	10.56	8.05	4
2019-11-20	0.1	2.71	0.15	0.35	0.387	13.1	3.3	40000	10.3	1034	10.89	8.17	9.8
2019-12-04	0.23	2.63	0.09	0.34	0.404	22.3	5.8	27000	9	2087	11.03	8.14	15.3
2019-12-18	0.06	3.12	<0.05	0.38	0.431	3.5	1.1	10300	5.9	1078	12.44	6.45	4.4

CP-11 Outlet

Date	Ammonia + Ammonium as N mg/L	Nitrate as N mg/L	Nitrite as N mg/L	o-Phosphate as P mg/L	Phosphorus Total mg/L	Total Suspended Solids mg/L	Volatile Suspended Solids mg/L	Escherichia coli CFU/100mL	Temperature °C	Conductivity (µS/cm³)	Dissolved Oxygen (mg/L)(% Sat.)	pH	Turbidity (NTU)
2018-06-20	14.20	0.83	0.19		2.690	46.8	45.6	3400000	16.9	1045	4.64	7.33	28.4
2018-07-04	13.80	0.53	0.1		2.780	58.0	51.6	4900000	19.4	1063	3.51	7.28	45.1
2018-07-18	6.7	1.17	0.07		1.330	31.6	27.6	3800000	19.6	1077	7.03	7.61	22.1
2018-08-01	0.07	2.32	0.2		0.213	5.7	1.2	20000	20.3	1174	9.97	8.3	8.2
2018-08-15	0.07	2.27	<0.05		0.215	10.2	1.6	1400	21.1	1363	8.61	8.22	22.8
2018-08-29	0.03	2.12	<0.05		0.195	6.2	1.5	460	23.4	1178	9.97	8.46	8.1
2018-09-11	0.02	2.08	<0.05		0.187	8.4	2.4	3300	17.3	918	10.81	8.29	11.9
2018-09-27	0.02	2.31	0.1		0.226	4	3.6	9100	16.7	1057	10.48	8.13	6.1

Date	Temperature °C	Conductivity (μS/cm³)	Dissolved Oxygen (mg/L)(% Sat.)	Dissolved Oxygen(% Sat.)	pH	Turbidity (NTU)	Escherichia coli CFU/100mL
2018-07-18	22.2	1150	20.34	236.4	8.85	4.1	420
2018-08-01	21.6	1249	16.22	185	8.71	3.6	470
2018-08-15	27.1	1197	19.34	244	9.09	2.4	60
2018-08-29	24.2	1227	14.42	172.5	8.61	16.2	720

Date	Temperature °C	Conductivity (µS/cm³)	Dissolved Oxygen (mg/L)(% Sat.)	Dissolved Oxygen(% Sat.)	pH	Turbidity (NTU)	Escherichia coli CFU/100mL
2018-08-15	19.8	787	10.04	110.2	8.22	5.1	530
2018-08-29	20.3	896	8.51	94.5	8.07	4.3	730

Date	Ammonia + Ammonium as N mg/L	Nitrate as N mg/L	Nitrite as N mg/L	o-Phosphate as P mg/L	Phosphorus Total mg/L	Total Suspended Solids mg/L	Volatile Suspended Solids mg/L	Escherichia coli CFU/100mL	Temperature °C	Conductivity (µS/cm³)	Dissolved Oxygen (mg/L)(% Sat.)	pH	Turbidity (NTU)
2018-08-15	<0.01	1.89	<0.05		0.19	10.1	2.4	960	19.7	850	9.25	8.19	9.7
2018-08-29	<0.01	1.68	<0.05		0.16	6.1	1.3	590	20.8	825	9.07	8.17	8.1
2018-09-11									16.3	691	9.76	8.18	7.3

