

CSO INTERIM WATER QUALITY MONITORING

2015 SMALL STREAMS MONITORING REPORT

Survey Date : June 28, 2015		Small Streams Sampling Locations					
Parameter	Unit	STURGEON CREEK @ PORTAGE AVE	TRURO CREEK @ PORTAGE AVE	OMANDS CREEK @ PORTAGE AVE	LA SALLE RIVER @ HWY 75	SEINE RIVER @ PROVENCHER BLVD	BUNNS CREEK @ BONNER AVE
		(S2)	(S3)	(S4)	(S5)	(S7)	(S8)
Temperature	° C	21.5	20.3	19.6	25	22.7	24.3
Dissolved Oxygen	mg/L	5.7	6.58	7.4	6.47	5.7	7.22
Conductivity	mS/cm	994	276	878	695	447	1087
pH	units	8.1	8.44	7.95	8.34	7.93	8.72
Biochemical Oxygen Demand	mg/L	< 2.0	< 2.0	< 6.0	4	2.5	< 2.0
Carbonaceous BOD	mg/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Suspended Solids	mg/L	34	9	13	40	95	< 5.0
Ammonia Nitrogen	mg/L N	0.033	< 0.01	0.034	< 0.01	0.074	0.07
Nitrate Nitrogen	mg/L N	0.142	0.08	0.125	< 0.02	0.373	0.075
Nitrite Nitrogen	mg/L N	< 0.01	< 0.01	0.011	< 0.01	0.02	0.019
Nitrate-Nitrite Nitrogen	mg/L N	0.142	0.08	0.137	< 0.07	0.393	0.094
Total Kjeldahl Nitrogen	mg/L N	0.61	0.38	0.38	1.83	1.17	0.85
Total Nitrogen ¹	mg/L N	0.75	0.46	0.52	1.83	1.56	0.94
Total Phosphorus	mg/L P	0.084	0.103	0.079	0.567	0.223	0.243
Escherichia Coliform	MPN/100 mL	3650	565	> 24200	41	576	185
Fecal Coliform	MPN/100 mL	> 24200	1310	> 24200	120	1940	1180
		12:00 PM	12:40 PM	1:00 PM	3:00 PM	1:15 PM	2:00 PM

- Notes: 1) Calculated values
2) Analysed by contract laboratory

Client File No: 3205.00

CSO INTERIM WATER QUALITY MONITORING

2015 SMALL STREAMS MONITORING REPORT

Survey Date : June 29, 2015		Small Streams Sampling Locations					
Parameter	Unit	STURGEON CREEK @ PORTAGE AVE	TRURO CREEK @ PORTAGE AVE	OMANDS CREEK @ PORTAGE AVE	LA SALLE RIVER @ HWY 75	SEINE RIVER @ PROVENCHER BLVD	BUNNS CREEK @ BONNER AVE
		(S2)	(S3)	(S4)	(S5)	(S7)	(S8)
Temperature	° C	21.5	20.3	21.3	24.9	22.6	22.2
Dissolved Oxygen	mg/L	6.6	6.42	6.77	7.56	5.28	5.21
Conductivity	mS/cm	1054	563	1124	696	484	1129
pH	units	8.14	8.08	8.24	8.37	8.16	8.37
Biochemical Oxygen Demand	mg/L	< 2.0	< 2.0	< 2.0	8.9	2.4	< 2.0
Carbonaceous BOD	mg/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Suspended Solids	mg/L	21	< 5.0	< 5.0	42	93	6
Ammonia Nitrogen	mg/L N	0.068	0.023	0.029	0.022	0.064	0.049
Nitrate Nitrogen	mg/L N	0.064	0.046	< 0.02	< 0.02	0.221	0.059
Nitrite Nitrogen	mg/L N	< 0.01	< 0.01	< 0.01	< 0.01	0.013	0.018
Nitrate-Nitrite Nitrogen	mg/L N	< 0.07	< 0.07	< 0.07	< 0.07	0.234	0.077
Total Kjeldahl Nitrogen	mg/L N	0.79	0.69	0.93	2.65	1.15	0.99
Total Nitrogen ¹	mg/L N	0.79	0.69	0.93	2.65	1.38	1.07
Total Phosphorus	mg/L P	0.116	0.148	0.383	0.69	0.201	0.255
Escherichia Coliform	MPN/100 mL	816	88	1990	23	921	345
Fecal Coliform	MPN/100 mL	>2420	1300	> 2420	1990	> 2420	1990
		9:45 AM	10:45 AM	11:15 AM	1:00 PM	10:00 AM	11:25 AM

- Notes: 1) Calculated values
 2) Analysed by contract laboratory

Client File No: 3205.00

CSO INTERIM WATER QUALITY MONITORING

2015 SMALL STREAMS MONITORING REPORT

Survey Date : June 30, 2015		Small Streams Sampling Locations					
Parameter	Unit	STURGEON CREEK @ PORTAGE AVE	TRURO CREEK @ PORTAGE AVE	OMANDS CREEK @ PORTAGE AVE	LA SALLE RIVER @ HWY 75	SEINE RIVER @ PROVENCHER BLVD	BUNNS CREEK @ BONNER AVE
		(S2)	(S3)	(S4)	(S5)	(S7)	(S8)
Temperature	°C	21.3	20.3	19.6	25.5	21.9	21.3
Dissolved Oxygen	mg/L	6.86	6.58	7.4	6.1	6.57	6.45
Conductivity	mS/cm	1178	276	878	718	496	1157
pH	units	8.2	8.44	7.95	8.26	8.18	8.46
Biochemical Oxygen Demand	mg/L	2.3	< 2.0	< 2.0	4.8	< 2.0	< 2.0
Carbonaceous BOD	mg/L	< 2.0	< 2.0	< 2.0	4.1	< 2.0	< 2.0
Total Suspended Solids	mg/L	19	9	< 5.0	41	114	6
Ammonia Nitrogen	mg/L N	0.06	0.045	0.021	0.093	0.049	0.022
Nitrate Nitrogen	mg/L N	0.061	0.029	< 0.02	0.052	0.188	0.07
Nitrite Nitrogen	mg/L N	< 0.01	< 0.01	< 0.01	0.017	0.013	0.015
Nitrate-Nitrite Nitrogen	mg/L N	< 0.07	< 0.07	< 0.07	< 0.07	0.201	0.085
Total Kjeldahl Nitrogen	mg/L N	0.72	0.51	0.77	1.91	1.22	1.04
Total Nitrogen ¹	mg/L N	0.72	0.51	0.77	1.91	1.42	1.13
Total Phosphorus	mg/L P	0.137	0.175	0.331	0.66	0.264	0.248
Escherichia Coliform	MPN/100 mL	186	69	1550	46	866	326
Fecal Coliform	MPN/100 mL	1410	206	> 2420	57	1410	770
		10:15 AM	11:00 AM	11:30 AM	1:15 PM	11:20 AM	11:45 AM

- Notes: 1) Calculated values
 2) Analysed by contract laboratory

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