

CSO INTERIM WATER QUALITY MONITORING

2015 SMALL STREAMS MONITORING REPORT

Survey Date : June 7, 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	18.1	15.4	19.9	19.5	17.6	18.8
Dissolved Oxygen	mg/L	5.4	5.4	5.95	12.79	5.85	7.34
Conductivity	mS/cm	784	748	1302	620	534	1245
pH	units	8.35	8	8.3	9.19	7.96	8.65
Biochemical Oxygen Demand	mg/L	4.2	< 2.0	2.2	9.6	3	5.6
Carbonaceous BOD	mg/L						
Total Suspended Solids	mg/L	25	< 5.0	13	26	37	8
Ammonia Nitrogen	mg/L N	0.057	< 0.01	0.021	0.187	0.044	0.089
Nitrate Nitrogen	mg/L N	0.145	< 0.02	0.048	3.56	0.143	0.053
Nitrite Nitrogen	mg/L N	< 0.01	< 0.01	< 0.02	0.112	< 0.01	< 0.02
Nitrate-Nitrite Nitrogen	mg/L N	0.145	< 0.07	< 0.07	3.67	0.143	< 0.07
Total Kjeldahl Nitrogen	mg/L N	0.98	0.91	1.14	2.77	1.76	1.66
Total Nitrogen ¹	mg/L N	1.12	0.91	1.14	6.44	0.184	1.66
Total Phosphorus	mg/L P	0.139	0.09	0.282	0.3	0.184	0.185
Escherichia Coliform	MPN/100 mL	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000
Fecal Coliform	MPN/100 mL	10000	< 10000	10000	< 10000	< 10000	< 10000
		11:00 AM	11:30 AM	11:45 AM	9:45 AM	11:05 AM	11:35 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 8, 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	18.2	16.8	17.2	20.7	17.3	17.8
Dissolved Oxygen	mg/L	5.42	6.8	6.76	13.2	5.69	5.67
Conductivity	mS/cm	930	702	1176	628	591	1016
pH	units	8.1	8.05	8	9.35	8.02	8.23
Biochemical Oxygen Demand	mg/L	< 2.0	< 2.0	< 2.0	7.1	2.9	3.3
Carbonaceous BOD	mg/L						
Total Suspended Solids	mg/L	7	5	6	21	48	26
Ammonia Nitrogen	mg/L N	0.096	0.033	0.041	0.025	0.235	0.144
Nitrate Nitrogen	mg/L N	0.15	< 0.02	< 0.02	3.03	0.793	0.195
Nitrite Nitrogen	mg/L N	0.01	< 0.07	< 0.07	0.113	0.072	0.017
Nitrate-Nitrite Nitrogen	mg/L N	0.16	< 0.01	< 0.01	3.14	0.866	0.212
Total Kjeldahl Nitrogen	mg/L N	0.89	0.8	0.83	2.57	1.3	1.41
Total Nitrogen ¹	mg/L N	1.05	0.8	0.83	5.71	2.17	1.62
Total Phosphorus	mg/L P	0.128	0.117	0.329	0.335	0.275	0.183
Escherichia Coliform	MPN/100 mL	200	410	410	520	5540	1890
Fecal Coliform	MPN/100 mL	300	300	310	520	8820	1690
		10:00 AM	11:00 AM	11:30 AM	1:00 PM	10:30 AM	10:50 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 9, 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	18	17.6	17.5	21.1	18.9	19.1
Dissolved Oxygen	mg/L	6.4	6.25	7	14.3	5.67	5.81
Conductivity	mS/cm	1022	729	1358	624	657	963
pH	units	8.08	7.93	8.08	9.55	8.11	8.05
Biochemical Oxygen Demand	mg/L	2.9	< 2.0	< 2.0	10.3	2	2.7
Carbonaceous BOD	mg/L						
Total Suspended Solids	mg/L	20	8	< 5	28	42	19
Ammonia Nitrogen	mg/L N	0.073	0.029	0.033	0.021	0.09	0.163
Nitrate Nitrogen	mg/L N	0.296	< 0.02	< 0.04	2.3	0.406	0.275
Nitrite Nitrogen	mg/L N	0.017	< 0.07	< 0.07	0.1	0.031	0.031
Nitrate-Nitrite Nitrogen	mg/L N	0.313	< 0.01	< 0.02	2.4	0.437	0.306
Total Kjeldahl Nitrogen	mg/L N	0.97	0.75	0.98	3.76	1.14	1.31
Total Nitrogen ¹	mg/L N	1.28	0.75	0.98	6.16	1.58	1.62
Total Phosphorus	mg/L P	0.137	0.144	0.318	0.38	0.197	0.189
Escherichia Coliform	MPN/100 mL	2040	183	201	41	598	480
Fecal Coliform	MPN/100 mL	4610	218	135	97	886	691
		10:00 AM	10:30 AM	11:00 AM	1:30 PM	10:45 AM	11:10 AM

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

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