

CSO INTERIM WATER QUALITY MONITORING

2015 SMALL STREAMS MONITORING REPORT

Survey Date : July 5, 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	20.6	18.8	19.6	22.8	22.8	22.9
Dissolved Oxygen	mg/L	5.72	5.3	5.8	6.15	6.7	5.36
Conductivity	mS/cm	929	498	1561	851	584	978
pH	units	8.38	8.07	8.14	8.28	8.5	8.27
Biochemical Oxygen Demand	mg/L	< 2.0	< 2.0	< 2.0	< 2.0	3	2.1
Carbonaceous BOD	mg/L	2.8	< 2.0	< 2.0	< 2.0	< 2.0	< 2.1
Total Suspended Solids	mg/L	37	17	9	104	58	8
Ammonia Nitrogen	mg/L N	0.037	0.022	0.062	0.202	0.078	0.054
Nitrate Nitrogen	mg/L N	0.026	0.12	0.142	0.127	0.514	0.049
Nitrite Nitrogen	mg/L N	< 0.01	0.011	< 0.02	0.033	0.041	< 0.01
Nitrate-Nitrite Nitrogen	mg/L N	< 0.07	0.13	0.142	0.16	0.555	< 0.07
Total Kjeldahl Nitrogen	mg/L N	1.08	0.67	0.98	2	1.32	1.1
Total Nitrogen <sup>1</sup>	mg/L N	1.08	0.8	1.13	2.16	1.87	1.1
Total Phosphorus	mg/L P	0.141	0.122	0.186	0.897	0.272	0.245
Escherichia Coliform	MPN/100 mL	> 24200	1860	7700	96	1240	865
Fecal Coliform	MPN/100 mL	> 24200	2280	17300	169	1920	1990
		12:30 PM	1:15 PM	1:30 PM	3:00 PM	12:50 PM	12:45 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 : July 6, 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	17.8	18.7	16.9	20	18.9	19
Dissolved Oxygen	mg/L	6.03	7.1	6.65	6.6	6.68	5.5
Conductivity	mS/cm	990	510	1385	603	596	931
pH	units	8.2	8.32	8.06	8.17	8.4	8.2
Biochemical Oxygen Demand	mg/L	< 2.0	< 2.0	< 2.0	3.2	2.1	< 2.0
Carbonaceous BOD	mg/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Suspended Solids	mg/L	17	11	7	126	55	6
Ammonia Nitrogen	mg/L N	0.082	< 0.01	0.024	0.156	0.053	0.046
Nitrate Nitrogen	mg/L N	0.093	0.071	< 0.02	0.323	0.266	0.057
Nitrite Nitrogen	mg/L N	< 0.01	< 0.01	< 0.01	0.025	0.016	< 0.01
Nitrate-Nitrite Nitrogen	mg/L N	0.093	0.071	< 0.07	0.348	0.282	< 0.07
Total Kjeldahl Nitrogen	mg/L N	0.92	0.79	1.09	1.84	1.39	0.267
Total Nitrogen <sup>1</sup>	mg/L N	1.02	0.86	1.09	2.19	1.67	0.91
Total Phosphorus	mg/L P	0.141	0.126	0.377	0.613	0.257	0.91
Escherichia Coliform	MPN/100 mL	15500	238	2600	124	411	272
Fecal Coliform	MPN/100 mL	81600	770	6130	1990	1900	1550
		9:45 AM	10:20 AM	10:35 AM	12:00 PM	12:00 PM	12:30 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 : July 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	17.5	14.8	15.8	19.1	18.7	19.2
Dissolved Oxygen	mg/L	6.25	5.94	6.96	6.23	6.77	5.62
Conductivity	mS/cm	1176	572	1446	505	540	949
pH	units	8.25	8.12	8.13	8.13	8.5	8.25
Biochemical Oxygen Demand	mg/L	2.3	< 2.0	2	4.1	< 2.0	< 2.0
Carbonaceous BOD	mg/L	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Suspended Solids	mg/L	22	16	< 5	86	59	9
Ammonia Nitrogen	mg/L N	0.099	0.024	0.044	0.147	0.018	0.065
Nitrate Nitrogen	mg/L N	0.154	0.069	0.021	0.645	0.161	0.04
Nitrite Nitrogen	mg/L N	< 0.01	< 0.01	< 0.01	0.029	< 0.01	< 0.01
Nitrate-Nitrite Nitrogen	mg/L N	0.154	< 0.07	< 0.07	0.675	0.161	< 0.07
Total Kjeldahl Nitrogen	mg/L N	0.69	0.67	0.8	1.27	1.27	0.86
Total Nitrogen <sup>1</sup>	mg/L N	0.84	0.67	0.8	1.94	1.43	0.86
Total Phosphorus	mg/L P	0.144	0.134	0.314	0.439	0.222	0.266
Escherichia Coliform	MPN/100 mL	435	261	1550	121	613	172
Fecal Coliform	MPN/100 mL	1120	727	2420	2420	1050	866
		9:15 AM	9:45 AM	10:00 AM	8:15 AM	11:00 AM	11:50 AM

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

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