

CSO INTERIM WATER QUALITY MONITORING

2015 SMALL STREAMS MONITORING REPORT

July 2, 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	20.9	19.6	17.9	24.4	23	23
Dissolved Oxygen	mg/L	8.3	6.42	8.6	9.2	6.8	8.6
Conductivity	mS/cm	1571	709	1875	810	520	1130
pH	units	8.61	8.11	8.3	8.64	8.4	8.5
Biochemical Oxygen Demand	mg/L	2.2	< 2.0	< 2.0	6.7	2	2
Carbonaceous BOD	mg/L	*	*	*	*	*	*
Total Suspended Solids	mg/L	19	12	< 5.0	47	115	9
Ammonia Nitrogen	mg/L N	0.079	0.027	0.019	0.016	0.039	< 0.01
Nitrate Nitrogen	mg/L N	< 0.04	< 0.02	< 0.04	< 0.02	0.078	< 0.02
Nitrite Nitrogen	mg/L N	< 0.02	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01
Nitrate-Nitrite Nitrogen	mg/L N	< 0.07	< 0.07	< 0.07	< 0.07	0.078	< 0.07
Total Kjeldahl Nitrogen	mg/L N	0.93	0.61	0.63	2.49	1.01	0.91
Total Nitrogen ¹	mg/L N	0.93	0.61	0.63	2.49	1.09	0.91
Total Phosphorus	mg/L P	0.15	0.206	0.215	0.764	0.169	0.219
Escherichia Coliform	MPN/100 mL	54	152	179	33	866	249
Fecal Coliform	MPN/100 mL	921	649	980	159	2420	1120
		11:15 AM	12:00 PM	12:10 PM	2:00 PM	2:20 PM	2:45 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 3, 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	19.8	16.3	25.9	22.5	21.7
Dissolved Oxygen	mg/L	7.8	5.8	9	9.6	6.86	5.99
Conductivity	mS/cm	1772	756	1980	819	517	1177
pH	units	8.76	8.14	8.27	8.95	8.43	8.44
Biochemical Oxygen Demand	mg/L	< 2.0	< 2.0	< 2.0	7.9	3	3.4
Carbonaceous BOD	mg/L	*	*	*	*	*	*
Total Suspended Solids	mg/L	16	8	24	39	120	51
Ammonia Nitrogen	mg/L N	0.055	0.038	0.019	< 0.01	0.041	0.049
Nitrate Nitrogen	mg/L N	< 0.04	0.025	< 0.04	< 0.02	0.097	0.083
Nitrite Nitrogen	mg/L N	< 0.01	< 0.01	< 0.01	< 0.01	0.015	0.04
Nitrate-Nitrite Nitrogen	mg/L N	< 0.07	< 0.07	< 0.07	< 0.07	0.112	0.123
Total Kjeldahl Nitrogen	mg/L N	0.73	0.68	0.62	1.82	0.99	0.82
Total Nitrogen ¹	mg/L N	0.73	0.68	0.62	1.82	1.1	0.95
Total Phosphorus	mg/L P	0.111	0.23	0.18	0.632	0.179	0.244
Escherichia Coliform	MPN/100 mL	46	86	649	39	816	517
Fecal Coliform	MPN/100 mL	1050	1200	1410	228	1730	1990
		9:45 AM	10:30 AM	10:45 AM	1:00 PM	12:15 PM	12:45 PM

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

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CSO INTERIM WATER QUALITY MONITORING

2015 SMALL STREAMS MONITORING REPORT

Survey Date : July 4, 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	19.1	20	15.6	25.5	22.8	21.6
Dissolved Oxygen	mg/L	9.3	5.8	9	12.42	6.85	6.4
Conductivity	mS/cm	2080	798	2100	828	514	1172
pH	units	8.48	8.23	8.15	9.06	8.38	8.48
Biochemical Oxygen Demand	mg/L	NR	NR	NR	NR	2.3	< 2.0
Carbonaceous BOD	mg/L	*	*	*	*	*	*
Total Suspended Solids	mg/L	17	7	9	46	123	5
Ammonia Nitrogen	mg/L N	0.075	0.039	0.013	< 0.01	0.03	0.024
Nitrate Nitrogen	mg/L N	0.245	0.045	< 0.04	< 0.02	0.047	0.053
Nitrite Nitrogen	mg/L N	< 0.02	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01
Nitrate-Nitrite Nitrogen	mg/L N	0.245	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07
Total Kjeldahl Nitrogen	mg/L N	0.71	0.75	0.5	2.96	0.95	0.8
Total Nitrogen ¹	mg/L N	0.96	0.75	0.5	2.96	0.95	0.8
Total Phosphorus	mg/L P	0.081	0.259	0.141	0.952	0.181	0.222
Escherichia Coliform	MPN/100 mL	46	59	435	35	649	461
Fecal Coliform	MPN/100 mL	236	548	579	50	1120	770
		9:30 AM	10:15 AM	10:30 AM	1:00 PM	12:00 PM	12:30 PM

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

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