

**City of Winnipeg
Water and Waste Department**

2014 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	October 15, 2014	Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59 (S6)	SEINE RIVER @ PROVENCHER BLVD (S7)	STURGEON CREEK @ PERIMETER (S1)	STURGEON CREEK @ PORTAGE AVE (S2)	OMANDS CREEK @ PORTAGE AVE (S4)	LA SALLE RIVER @ HWY 75 (S5)	BUNNS CREEK @ BONNER AVE (S8)	TRURO CREEK @ PORTAGE AVE (S3)
Temperature	° C	9.2	8.6	8.9	9.0	9.0	9.7	8.7	8.6
Dissolved Oxygen	mg/L	9.9	10.0	10.7	10.6	10.5	11.2	7.9	9.4
Oxygen Saturation	%	86	83	93	92	92	99	68	81
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	5	6	<3
pH	units	8.31	8.22	8.07	8.36	8.40	8.48	8.25	8.23
Total Solids	mg/L	408	438	1250	1390	1240	900	1000	876
Total Suspended Solids	mg/L	14	27	5	9	28	50	34	9
Turbidity	n.t.u.	13.8	22.5	5.1	7.9	14.8	34.1	28.6	7.5
Total Organic Carbon	mg/L	23	26	13	10	24	28	28	15
Chlorophyll a	ug/L	1	3	1	4	7	32	29	5
Ammonia Nitrogen	mg/L N	<0.003	0.030	0.020	0.080	0.048	<0.003	0.149	<0.003
Nitrate Nitrogen	mg/L N	<0.003	0.018	0.023	0.459	0.125	0.008	0.078	0.007
Total Kjeldahl Nitrogen	mg/L N	<0.5	<0.5	2.1	<0.5	0.6	0.8	1.1	<0.5
Total Nitrogen	mg/L N	0.3	0.3	2.1	0.7	0.7	0.8	1.2	0.3
Soluble Phosphorus	mg/L P	0.05	0.06	0.04	0.04	0.07	0.55	0.13	0.03
Total Phosphorus	mg/L P	0.30	0.30	0.30	0.30	0.40	0.80	0.40	0.30
Escherichia Coliform ²	MPN/100 mL	49	430	43	28	23	290	150	140
Fecal Coliform ²	MPN/100 mL	93	430	43	28	23	290	150	380

Weather Conditions during monitoring Winds S at 34 km/hr with 25% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 14°C

Notes: 1) LIMS Reference No: 40742
2) Analysed by contract laboratory.

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