

**City of Winnipeg
Water and Waste Department**

2013 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : June 5, 2013		Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59	SEINE RIVER @ PROVENCHER BLVD	STURGEON CREEK @ PERIMETER	STURGEON CREEK @ PORTAGE AVE	OMANDS CREEK @ PORTAGE AVE.	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	° C	16.5	16.6	17.5	17.6	16.4	16.3	16.2	15.8
Dissolved Oxygen	mg/L	8.6	7.5	11.4	9.1	9.3	7.5	8.7	10.3
Oxygen Saturation ²	%	89	77	120	96	95	76	89	104
pH	units	8.29	8.00	8.65	8.35	8.14	7.97	8.47	8.08
Total Solids	mg/L	440	486	618	666	862	358	814	646
Total Suspended Solids	mg/L	66	12	12	21	<4	16	21	<4
Turbidity	n.t.u.	61.5	13.7	11.7	20.9	2.9	34.6	16.2	1.4
Total Organic Carbon	mg/L	22	18	19	18	17	17	14	22
Chlorophyll a	ug/L	2	13	1	5	1	<1	43	2
Ammonia Nitrogen	mg/L N	0.007	0.028	0.021	0.042	0.006	0.263	0.076	0.046
Nitrate Nitrogen	mg/L N	0.028	0.384	0.567	<0.003	0.039	3.370	0.042	<0.003
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	4.4	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.09	0.18	0.10	0.22	0.08	0.37	0.11	0.09
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	0.30	<0.30	0.50	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	93	23	43	150	4	23	430	23
Fecal Coliform ³	MPN/100 mL	230	23	43	430	43	23	430	23

Weather Conditions during monitoring: Winds NE at 10 km/hr with 5 % cloud cover and 0 mm of precipitation. Average air temperature during survey at 20 °C

- Notes: 1) LIMS Reference No: 36114
 2) Calculated values
 3) Analysed by contract laboratory.

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