

**City of Winnipeg
Water and Waste Department**

2013 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : July 3, 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	24.8	25.9	25.9	25.0	24.8	27.8	22.4	22.4
Dissolved Oxygen	mg/L	7.2	6.6	8.6	7.6	13.5	9.8	5.7	5.9
Oxygen Saturation ²	%	87	82	108	93	164	127	67	69
pH	units	8.07	7.95	8.60	8.18	8.87	8.30	7.96	7.69
Total Solids	mg/L	382	362	656	698	684	326	736	604
Total Suspended Solids	mg/L	63	26	5	5	<4	18	<4	<4
Turbidity	n.t.u.	51.8	22.9	9.1	6.1	1.5	21.3	3.1	1.1
Total Organic Carbon	mg/L	21	21	17	16	14	18	15	17
Chlorophyll a	ug/L	6	8	1	4	<1	4	<1	4
Ammonia Nitrogen	mg/L N	0.018	0.005	0.003	0.052	0.021	0.006	0.096	0.009
Nitrate Nitrogen	mg/L N	0.055	0.017	<0.003	0.081	0.003	0.958	0.013	0.009
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	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.12	0.13	0.22	0.28	0.13	0.39	0.43	0.19
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	0.30	<0.30	0.50	0.50	<0.30
Escherichia Coliform ³	MPN/100 mL	2000	4400	9300	420	43	430	750	9300
Fecal Coliform ³	MPN/100 mL	2000	4400	9300	2900	43	430	750	9300

Weather Conditions during monitoring: Winds S at 15 km/hr with 0 % cloud cover and 0 mm of precipitation. Average air temperature during survey at 28 °C

- Notes: 1) LIMS Reference No: 36396
 2) Calculated values
 3) Analysed by contract laboratory.

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