

**City of Winnipeg
Water and Waste Department**

2013 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	June 19, 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	20.5	21.5	22.6	21.4	21.6	24.1	18.4	19.8
Dissolved Oxygen	mg/L	7.5	5.3	9.0	8.8	8.7	12.3	5.1	7.0
Oxygen Saturation ²	%	84	60	105	100	100	148	54	77
pH	units	8.21	7.78	8.31	8.30	7.90	8.52	7.91	7.92
Total Solids	mg/L	422	430	1030	1150	1210	490	952	816
Total Suspended Solids	mg/L	68	58	11	15	5	24	35	17
Turbidity	n.t.u.	53.0	51.2	11.3	9.5	3.4	18.6	31.5	2.1
Total Organic Carbon	mg/L	20	22	13	10	21	18	17	14
Chlorophyll a	ug/L	3	2	<1	<1	<1	3	6	3
Ammonia Nitrogen	mg/L N	0.035	0.076	<0.003	<0.003	<0.003	<0.003	0.269	<0.003
Nitrate Nitrogen	mg/L N	0.054	0.071	0.009	0.023	0.020	0.570	0.050	0.026
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	0.10	0.14	0.03	0.03	0.08	0.33	0.20	0.08
Total Phosphorus	mg/L P	<0.30	0.40	<0.30	<0.30	<0.30	0.60	0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	2300	1200	930	1200	75	7	230	750
Fecal Coliform ³	MPN/100 mL	2300	2100	930	2100	75	33	230	750

Weather Conditions during monitoring: Winds W at 10 km/hr with 5 % cloud cover and 0 mm of precipitation. Average air temperature during survey at 24 °C

- Notes: 1) LIMS Reference No: 36231
 2) Calculated values
 3) Analysed by contract laboratory.

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