

**City of Winnipeg
Water and Waste Department**

2013 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 31, 2013	Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59	SEINE RIVER @ PROVENCHE 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	19.3	19.3	18.7	19.4	18.4	21.0	18.7	16.4
Dissolved Oxygen	mg/L	7.9	7.0	9.7	8.0	6.2	8.0	3.1	6.3
Oxygen Saturation ²	%	86	77	104	88	66	91	34	65
pH	units	8.33	8.08	8.33	8.19	7.67	8.32	7.64	7.71
Total Solids	mg/L	436	582	1200	1170	390	622	758	416
Total Suspended Solids	mg/L	34	51	4	11	5	111	5	17
Turbidity	n.t.u.	31.9	39.8	3.7	8.7	8.7	75.0	7.6	4.3
Total Organic Carbon	mg/L	14	13	8	7	10	12	12	10
Chlorophyll a	ug/L	4	4	<1	3	<1	5	1	2
Ammonia Nitrogen	mg/L N	0.082	0.210	0.279	0.320	0.585	0.587	1.060	0.362
Nitrate Nitrogen	mg/L N	0.017	0.144	0.003	0.117	0.100	<0.003	0.046	0.007
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	0.12	0.02	0.06	0.04	0.56	0.20	0.08
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	<0.30	1.00	0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	230	430	230	2300	150	150	430	150
Fecal Coliform ³	MPN/100 mL	230	430	230	2300	380	430	430	150

Weather Conditions during monitoring: Winds wnw at 23 km/hr with 80 % cloud cover and no precipitation. Average air temperature during survey at 18 °C

- Notes: 1) LIMS Reference No: 36661
 2) Calculated values
 3) Analysed by contract laboratory.

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