

**City of Winnipeg
Water and Waste Department**

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	August 15, 2012	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. ⁴	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	° C	18.2	20.1	17.4	19.3	NS	20.8	19.0	18.3
Dissolved Oxygen	mg/L	7.1	6.6	6.3	6.5	NS	8.3	3.2	7.7
Oxygen Saturation ²	%	76	73	66	70	NS	93	35	83
pH	units	8.26	8.36	8.18	8.16	NS	8.40	7.88	7.79
Total Solids	mg/L	322	444	1400	1540	NS	758	560	418
Total Suspended Solids	mg/L	21	63	6	10	NS	26	20	128
Turbidity	n.t.u.	26.7	56.8	7.2	7.8	NS	27.6	19.3	117.0
Total Organic Carbon	mg/L	17	15	9	8	NS	14	11	30
Chlorophyll a	ug/L	4	59	2	11	NS	46	55	5
Ammonia Nitrogen	mg/L N	0.004	<0.003	<0.003	0.048	NS	<0.003	0.224	0.805
Nitrate Nitrogen	mg/L N	0.025	<0.003	0.013	0.140	NS	<0.003	0.080	0.452
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	NS	<2.0	<2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	<2.0	NS	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.07	0.19	0.02	0.08	NS	0.77	0.14	0.06
Total Phosphorus	mg/L P	<0.30	0.40	<0.30	<0.30	NS	0.90	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	430	150	430	750	NS	9	9300	430
Fecal Coliform ³	MPN/100 mL	430	150	430	750	NS	9	46000	930

Weather Conditions during monitoring: Winds South at 26 km/hr with 100 % cloud cover and 3 mm of precipitation. Average air temperature during survey at 16.3 °C.

- Notes: 1) LIMS Reference No: 33598
 2) Calculated values
 3) Analysed by contract laboratory.
 4) There was no sample for Omands Creek due to low flow

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