

**City of Winnipeg
Water and Waste Department**

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : June 20, 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.	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	°C	18.3	18.4	17.4	18.3	17.1	20.2	18.4	16.6
Dissolved Oxygen	mg/L	8.5	8.0	9.9	8.3	6.6	9.4	6.8	8.1
Oxygen Saturation ²	%	91	86	104	89	69	105	73	84
pH	units	8.33	8.29	8.34	8.32	8.22	8.64	8.20	8.33
Total Solids	mg/L	428	456	884	1010	906	526	748	544
Total Suspended Solids	mg/L	70	32	12	16	32	80	<4	<4
Turbidity	n.t.u.	73.0	21.3	14.8	16.9	4.2	74.6	4.0	1.8
Total Organic Carbon	mg/L	15	12	5	9	16	11	11	10
Chlorophyll a	ug/L	5	13	<1	10	1	34	2	<1
Ammonia Nitrogen	mg/L N	0.023	0.047	<0.003	0.113	<0.003	<0.003	0.089	0.024
Nitrate Nitrogen	mg/L N	0.104	0.372	0.041	0.161	0.342	2.690	0.090	0.082
Total Kjeldahl Nitrogen	mg/L N	<2	<2	<2	<2	<2	<2	<2	<2
Total Nitrogen ²	mg/L N	<2	<2	<2	<2	<2	3.7	<2	<2
Soluble Phosphorus	mg/L P	0.08	0.12	0.17	0.15	0.09	0.21	0.14	0.08
Total Phosphorus	mg/L P	<0.30	0.30	0.40	0.40	<0.30	0.60	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	430	380	43	430	93	23	930	9
Fecal Coliform ³	MPN/100 mL	430	380	43	430	93	23	930	23

Weather Conditions during monitoring: Winds North at 12 km/hr with 100 % cloud cover. Average air temperature during survey at 15.5 °C

- Notes: 1) LIMS Reference No: 33075
 2) Calculated values
 3) Analysed by contract laboratory.

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