

**City of Winnipeg  
Water and Waste Department**

**2012 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> : November 7, 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	3.6	3.5	2.9	3.7	3.6	3.6	3.6	2.8
Dissolved Oxygen	mg/L	14.2	13.4	15.6	12.8	11.1	14.3	12.2	11.6
Oxygen Saturation <sup>2</sup>	%	107	101	115	97	84	108	92	86
pH	units	8.15	7.69	8.38	8.20	7.74	8.17	7.76	7.57
Total Solids	mg/L	326	380	1450	1390	1050	1060	764	424
Total Suspended Solids	mg/L	15	14	14	9	28	10	10	7
Turbidity	n.t.u.	15.8	19.3	9.5	5.8	24.0	5.7	5.5	6.4
Total Organic Carbon	mg/L	19	17	6	9	16	18	10	15
Chlorophyll a	ug/L	6	6	<1	3	34	16	32	5
Ammonia Nitrogen	mg/L N	0.013	0.077	0.015	0.605	0.080	0.015	0.255	0.011
Nitrate Nitrogen	mg/L N	0.005	0.201	0.044	0.334	0.301	0.016	0.452	0.393
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.04	0.07	0.03	0.12	0.04	0.32	0.07	0.02
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	<0.30	0.40	<0.30	<0.30
Escherichia Coliform <sup>3</sup>	MPN/100 mL	23	2100	93	46000	230	38	93	2300
Fecal Coliform <sup>3</sup>	MPN/100 mL	23	2100	93	46000	230	38	93	2300

Weather Conditions during monitoring: Winds south at 14 km/hr with 80% cloud cover and 0.3 mm of precipitation. Average air temperature during survey at 3°C.

- Notes: 1) LIMS Reference No: 34332  
 2) Calculated values  
 3) Analysed by contract laboratory.

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