

**City of Winnipeg  
Water and Waste Department**

**2011 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	June 14, 2011	Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59	SEINE RIVER @ PROVENCHER BLVD	STURGEON CREEK @ PERIMETER <sup>4</sup>	STURGEON CREEK @ PORTAGE AVE	OMANDS CREEK @ PORTAGE AVE.	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	° C	17.7	18.2	NS	17.7	18.8	18.5	18.2	17.7
Dissolved Oxygen	mg/L	8.3	5.3	NS	8.7	7.7	7.6	5.4	4.0
Oxygen Saturation <sup>2</sup>	%	88	57	NS	92	84	82	57	43
pH	units	8.33	7.94	NS	8.23	8.71	8.07	8.59	7.76
Total Solids	mg/L	456	472	NS	880	904	620	1090	676
Total Suspended Solids	mg/L	87	21	NS	45	5	29	34	7
Turbidity	n.t.u.	61.0	16.5	NS	32.2	5.65	23.1	18.0	4.84
Total Organic Carbon	mg/L	17	17	NS	19	17	23	16	15
Chlorophyll a	ug/L	4	11	NS	28	2	25	4	4
Ammonia Nitrogen	mg/L N	0.046	0.027	NS	<0.003	0.053	0.040	0.116	0.035
Nitrate Nitrogen	mg/L N	0.058	0.132	NS	0.154	0.182	0.702	0.048	0.004
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.07	0.16	NS	0.43	0.25	0.43	0.16	0.17
Total Phosphorus	mg/L P	<0.30	<0.30	NS	0.60	0.40	0.70	0.30	0.30
Escherichia Coliform <sup>3</sup>	MPN/100 mL	930	23	NS	9300	230	23	93	230
Fecal Coliform <sup>3</sup>	MPN/100 mL	930	23	NS	9300	230	23	230	230

Weather Conditions during monitoring: Winds S at 20 km/hr with 5% cloud cover. Average air temperature during survey at 24°C.

- Notes:
- 1) LIMS Reference No: 29748
  - 2) Calculated values. Oxygen saturation data was revised on May 15, 2012.
  - 3) Analysed by contract laboratory.
  - 4) There is no sample at Sturgeon Creek at the Perimeter due to construction.

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