

**City of Winnipeg  
Water and Waste Department**

**2012 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> : April 11, 2012		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	3.1	3.2	NS	6.1	4.8	4.6	3.4	3.3
Dissolved Oxygen	mg/L	14.5	15.8	NS	15.5	14.9	17.7	18.1	17.3
Oxygen Saturation <sup>2</sup>	%	108	118	NS	125	116	137	136	129
pH	units	8.23	8.37	NS	8.59	8.21	8.91	9.08	8.22
Total Solids	mg/L	312	396	NS	1176	1388	624	944	1032
Total Suspended Solids	mg/L	21	24	NS	19	8	49	29	8
Turbidity	n.t.u.	22.6	20.2	NS	9.3	5.4	48.2	14.4	4.2
Total Organic Carbon	mg/L	14	15	NS	11	14	13	16	11
Chlorophyll a	ug/L	1	2	NS	5	1	19	20	1
Ammonia Nitrogen	mg/L N	<0.003	<0.003	NS	<0.003	<0.003	<0.003	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.006	0.004	NS	<0.003	<0.003	0.004	0.004	0.007
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	0.01	<0.01	NS	<0.01	0.01	0.03	<0.01	<0.01
Total Phosphorus	mg/L P	<0.30	<0.30	NS	<0.30	<0.30	<0.30	<0.30	<0.30
Escherichia Coliform <sup>3</sup>	MPN/100 mL	15	75	NS	43	93	<3	38	7
Fecal Coliform <sup>3</sup>	MPN/100 mL	15	75	NS	43	93	<3	38	7

Weather Conditions during monitoring: Winds N at 3 km/hr with 1 % cloud cover. Average air temperature during survey at -7 °C

- Notes:
- 1) LIMS Reference No: 32437
  - 2) Calculated values
  - 3) Analysed by contract laboratory.
  - 4) There was no sample for Sturgeon Creek at Perimeter because the location was inaccessible.

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Supervisor of Analytical Services

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