

**City of Winnipeg
Water and Waste Department**

2011 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : October 5, 2011		Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59	SEINE RIVER @ PROVENCHER BLVD	STURGEON CREEK @ PERIMETER ⁴	STURGEON CREEK @ PORTAGE AVE	OMANDS CREEK @ PORTAGE AVE.	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	° C	13.5	14.3	NS	14.3	15.3	14.9	13.6	14.6
Dissolved Oxygen	mg/L	5.7	6.1	NS	9.3	10.9	9.2	4.6	6.7
Oxygen Saturation ²	%	55	60	NS	91	109	92	44	66
pH	units	7.74	7.52	NS	8.14	8.31	8.39	7.45	7.80
Total Solids	mg/L	388	564	NS	1580	1120	1160	1220	672
Total Suspended Solids	mg/L	21	44	NS	15	29	82	396	14
Turbidity	n.t.u.	15.1	65.2	NS	11.7	8.2	35.2	168	6.7
Total Organic Carbon	mg/L	18	17	NS	11	18	25	19	15
Chlorophyll a	ug/L	<1	4	NS	36	<1	<1	168	8
Ammonia Nitrogen	mg/L N	0.043	0.171	NS	0.124	0.023	0.045	0.436	0.068
Nitrate Nitrogen	mg/L N	<0.003	0.005	NS	0.415	<0.003	<0.003	0.054	0.089
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	4.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	4.1	<2.0
Soluble Phosphorus	mg/L P	0.08	0.09	NS	0.05	0.09	0.34	0.08	0.09
Total Phosphorus	mg/L P	0.30	0.50	NS	0.30	0.40	0.80	0.80	<0.30
Escherichia Coliform ³	MPN/100 mL	230	2300	NS	930	750	75	2300	430
Fecal Coliform ³	MPN/100 mL	230	2300	NS	930	750	75	2300	430

Weather Conditions during monitoring: Winds South East at 43 km/hr with no cloud cover. Average air temperature during survey at 20.4 C

- Notes:
- 1) LIMS Reference No: 30954
 - 2) Calculated values. Oxygen saturation data was revised May 15, 2012.
 - 3) Analysed by contract laboratory.
 - 4) There is no sample for Sturgeon Creek at Perimeter because the location was not accessible.

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