

**City of Winnipeg
Water and Waste Department**

2011 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	September 7, 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	16.6	18.6	NS	19.9	19.4	20.6	17.3	18.5
Dissolved Oxygen	mg/L	8.2	6.0	NS	9.4	7.2	9.7	6.1	7.3
Oxygen Saturation ²	%	84	65	NS	104	78	108	64	79
pH	units	8.14	7.63	NS	8.30	7.77	8.54	8.67	7.83
Total Solids	mg/L	400	592	NS	1300	584	988	976	520
Total Suspended Solids	mg/L	34	56	NS	26	10	18	78	8
Turbidity	n.t.u.	34.3	53.2	NS	11.5	9.2	13.4	62.5	4.7
Total Organic Carbon	mg/L	17	16	NS	11	16	24	31	14
Chlorophyll a	ug/L	1	2	NS	2	1	1	2	1
Ammonia Nitrogen	mg/L N	0.027	0.211	NS	0.094	0.070	0.012	0.021	0.044
Nitrate Nitrogen	mg/L N	0.004	0.374	NS	0.072	0.021	<0.003	<0.003	0.018
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	2.0	<2.0
Soluble Phosphorus	mg/L P	0.03	0.07	NS	0.04	0.28	0.53	0.08	0.05
Total Phosphorus	mg/L P	0.30	0.40	NS	0.30	0.60	1.00	0.60	<0.30
Escherichia Coliform ³	MPN/100 mL	93	430	NS	24000	93	43	1500	4300
Fecal Coliform ³	MPN/100 mL	93	430	NS	24000	93	43	1500	4300

Weather Conditions during monitoring: Winds South at 6 km/hr with no cloud cover. Average air temperature during survey at 22.3 C

- Notes:
- 1) LIMS Reference No: 30709
 - 2) Calculated values
 - 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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