

**City of Winnipeg
Water and Waste Department**

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 18, 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. ⁴	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	° C	21.7	22.0	21.2	21.5	NS	24.2	19.1	20.2
Dissolved Oxygen	mg/L	7.1	6.5	9.1	5.4	NS	9.0	4.9	4.6
Oxygen Saturation ²	%	81	75	103	61	NS	108	54	52
pH	units	8.20	8.09	8.26	7.98	NS	8.65	8.02	8.29
Total Solids	mg/L	350	464	1500	1570	NS	670	890	534
Total Suspended Solids	mg/L	20	87	4	18	NS	54	33	6
Turbidity	n.t.u.	29.7	55.8	4.5	11.9	NS	43.0	30.8	44.0
Total Organic Carbon	mg/L	20	17	7	9	NS	13	16	14
Chlorophyll a	ug/L	8	25	2	9	NS	71	42	8
Ammonia Nitrogen	mg/L N	0.088	0.010	0.207	0.038	NS	0.011	0.014	0.052
Nitrate Nitrogen	mg/L N	0.031	0.003	0.235	0.026	NS	<0.003	0.009	0.024
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	NS	<2.0	2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	<2.0	NS	<2.0	2.0	<2.0
Soluble Phosphorus	mg/L P	0.21	<0.01	0.12	0.20	NS	0.53	0.22	0.21
Total Phosphorus	mg/L P	0.30	0.50	<0.30	<0.30	NS	0.80	0.30	0.50
Escherichia Coliform ³	MPN/100 mL	43	93	150	43	NS	230	93	2300
Fecal Coliform ³	MPN/100 mL	43	93	150	43	NS	430	93	4300

Weather Conditions during monitoring: Winds SE at 12 km/hr with 90% cloud cover. Average air temperature during survey at 22.4°C.

- Notes: 1) LIMS Reference No: 33341
 2) Calculated values
 3) Analysed by contract laboratory.
 4] There was no sample for Omands Creek due to low flow

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