

**City of Winnipeg
Water and Waste Department**

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	October 10, 2012	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	4.4	5.0	NS	5.6	5.4	5.9	5.7	4.5
Dissolved Oxygen	mg/L	12.2	7.8	NS	11.3	10.9	15.2	13.6	10.9
Oxygen Saturation ²	%	94	61	NS	90	86	122	108	84
pH	units	8.04	7.54	NS	8.03	7.64	8.47	8.63	7.75
Total Solids	mg/L	376	454	NS	870	590	958	660	364
Total Suspended Solids	mg/L	8	23	NS	10	7	9	22	4
Turbidity	n.t.u.	11.6	35.1	NS	13.3	9.6	8.9	27.3	5.6
Total Organic Carbon	mg/L	20	18	NS	9	8	30	14	7
Chlorophyll a	ug/L	2	1	NS	3	4	32	77	1
Ammonia Nitrogen	mg/L N	0.038	0.757	NS	0.204	0.048	0.005	0.233	<0.003
Nitrate Nitrogen	mg/L N	0.014	2.840	NS	0.266	0.258	0.045	0.115	0.333
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	3.8	NS	<2.0	<2.0	<2.0	2.1	<2.0
Soluble Phosphorus	mg/L P	0.06	0.20	NS	0.07	0.06	0.44	0.06	0.04
Total Phosphorus	mg/L P	<0.30	0.40	NS	<0.30	<0.30	0.50	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	23	4300	NS	2100	36	93	430	930
Fecal Coliform ³	MPN/100 mL	23	4300	NS	2100	36	93	430	930

Weather Conditions during monitoring: Winds Southwest at 15 km/hr with 50% cloud cover and 5.3 mm of precipitation. Average air temperature during survey at 3°C.

- Notes:
- 1) LIMS Reference No: 34087
 - 2) Calculated values
 - 3) Analysed by contract laboratory.
 - 4) There was no sample for Sturgeon Creek at the Perimeter due to no flow

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