

**City of Winnipeg  
Water and Waste Department**

**2012 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	July 4, 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.	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE
Temperature	° C	23.7	24.7	22.7	23.2	22.7	25.2	21.7	20.9
Dissolved Oxygen	mg/L	6.3	4.5	4.8	7.1	6.2	7.1	4.1	2.0
Oxygen Saturation <sup>2</sup>	%	75	54	56	83	72	87	47	22
pH	units	8.25	8.06	8.08	8.22	8.59	9.03	7.95	7.37
Total Solids	mg/L	376	358	1190	1760	1250	596	830	3070
Total Suspended Solids	mg/L	74	37	8	13	4	54	17	60
Turbidity	n.t.u.	60.9	31.4	9.4	11.2	28.6	42.9	11.9	31.9
Total Organic Carbon	mg/L	23	23	12	11	23	14	19	27
Chlorophyll a	ug/L	2	3	<1	4	<1	15	11	14
Ammonia Nitrogen	mg/L N	0.023	0.080	0.036	0.079	0.051	0.101	0.113	0.309
Nitrate Nitrogen	mg/L N	0.076	0.049	0.009	0.094	0.021	0.045	0.044	0.177
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.0
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.2
Soluble Phosphorus	mg/L P	0.11	0.22	0.08	0.08	0.39	0.33	0.34	0.08
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	0.50	0.60	0.70	0.40
Escherichia Coliform <sup>3</sup>	MPN/100 mL	93	230	380	230	43	93	230	2900
Fecal Coliform <sup>3</sup>	MPN/100 mL	93	230	9300	230	43	93	230	2900

Weather Conditions during monitoring: Winds SE at 57 km/hr with 100 % cloud cover and 1 mm of precipitation. Average air temperature during survey at 22°C

- Notes: 1) LIMS Reference No: 33178  
 2) Calculated values  
 3) Analysed by contract laboratory.

Report Compiled By: K. Wazny  
 Compliance Reporting Technician

Approved in LIMS By: S. Fletcher  
 Supervisor of Analytical Services

Date Approved: 01-Aug-12

File No: 040-14-09-03-00