

**City of Winnipeg  
Water and Waste Department**

**2012 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	October 24, 2012	Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59	SEINE RIVER @ PROVENCHE 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	6.3	7.3	6.2	7.1	7.6	6.8	7.3	7.0
Dissolved Oxygen	mg/L	11.9	9.7	12.1	10.5	10.2	11.7	11.5	9.7
Oxygen Saturation <sup>2</sup>	%	96	81	98	87	85	96	95	80
pH	units	8.10	7.89	8.11	8.08	7.69	8.28	8.33	7.70
Total Solids	mg/L	320	394	1500	924	244	1080	698	260
Total Suspended Solids	mg/L	13	56	10	16	26	17	21	<4
Turbidity	n.t.u.	23.0	53.8	9.0	22.3	42.4	12.7	15.3	6.0
Total Organic Carbon	mg/L	12	13	21	12	10	27	13	11
Chlorophyll a	ug/L	3	9	4	3	2	36	144	4
Ammonia Nitrogen	mg/L N	<0.003	0.246	0.047	0.088	0.144	<0.003	0.181	0.004
Nitrate Nitrogen	mg/L N	0.007	0.605	0.601	0.268	0.262	0.016	0.410	0.232
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.06	0.09	0.03	0.05	0.04	0.30	0.06	0.04
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	<0.30	0.40	<0.30	<0.30
Escherichia Coliform <sup>3</sup>	MPN/100 mL	75	2300	230	930	43	93	430	430
Fecal Coliform <sup>3</sup>	MPN/100 mL	75	2300	230	930	43	93	430	430

Weather Conditions during monitoring: Winds West at 23 km/hr with 100% cloud cover and 11.7 mm of precipitation. Average air temperature during survey at 4°C.

- Notes: 1) LIMS Reference No: 34212  
 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: 23-Nov-12

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