

**City of Winnipeg
Water and Waste Department**

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : September 12, 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	NS	NS	14.3	NS	NS	15.2	NS	NS
Dissolved Oxygen	mg/L	NS	NS	9.9	NS	NS	8.1	NS	NS
Oxygen Saturation ²	%	NS	NS	97	NS	NS	81	NS	NS
pH	units	NS	NS	8.34	NS	NS	8.38	NS	NS
Total Solids	mg/L	NS	NS	1540	NS	NS	924	NS	NS
Total Suspended Solids	mg/L	NS	NS	4	NS	NS	52	NS	NS
Turbidity	n.t.u.	NS	NS	3.5	NS	NS	44.2	NS	NS
Total Organic Carbon	mg/L	NS	NS	7	NS	NS	15	NS	NS
Chlorophyll a	ug/L	NS	NS	3	NS	NS	44	NS	NS
Ammonia Nitrogen	mg/L N	NS	NS	0.015	NS	NS	0.005	NS	NS
Nitrate Nitrogen	mg/L N	NS	NS	0.014	NS	NS	0.012	NS	NS
Total Kjeldahl Nitrogen	mg/L N	NS	NS	<2.0	NS	NS	<2.0	NS	NS
Total Nitrogen ²	mg/L N	NS	NS	<2.0	NS	NS	<2.0	NS	NS
Soluble Phosphorus	mg/L P	NS	NS	0.02	NS	NS	0.48	NS	NS
Total Phosphorus	mg/L P	NS	NS	<0.30	NS	NS	0.60	NS	NS
Escherichia Coliform ³	MPN/100 mL	NS	NS	930	NS	NS	38	NS	NS
Fecal Coliform ³	MPN/100 mL	NS	NS	930	NS	NS	38	NS	NS

Weather Conditions during monitoring: Winds west at 48 km/hr with no cloud cover. Average air temperature during survey at 16.3 °C

- Notes:
- 1) LIMS Reference No: 33847
 - 2) Calculated values
 - 3) Analysed by contract laboratory.
 - 4) There were no samples for Seine River at 59, Seine River at Provencher, Sturgeon Creek at Portage, Omands Creek, Bunns Creek, and Truro Creek due to low flow.

Report Compiled By: K. Wazny
Compliance Reporting Technician

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

Date Approved: 28-Sep-12

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