City of Winnipeg
Water and Waste Department

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date[1]:	August 29, 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	21.5	21.8	21.3	NS	21.4	NS	NS
Dissolved Oxygen	mg/L	NS	4.6	9.8	6.4	NS	8.6	NS	NS
Oxygen Saturation[2]	%	NS	52	113	73	NS	98	NS	NS
pH	units	NS	7.97	8.37	8.16	NS	8.39	NS	NS
Total Solids	mg/L	NS	558	1570	1790	NS	812	NS	NS
Total Suspended Solids	mg/L	NS	41	12	9	NS	29	NS	NS
Turbidity	n.t.u.	NS	38.7	4.5	3.6	NS	23.1	NS	NS
Total Organic Carbon	mg/L	NS	15	7	9	NS	14	NS	NS
Chlorophyll a	ug/L	NS	46	2	5	NS	59	NS	NS
Ammonia Nitrogen	mg/L N	NS	0.163	0.009	0.030	NS	0.004	NS	NS
Nitrate Nitrogen	mg/L N	NS	0.019	0.011	0.069	NS	0.014	NS	NS
Total Kjeldahl Nitrogen	mg/L N	NS	<2.0	<2.0	<2.0	NS	<2.0	NS	NS
Total Nitrogen[2]	mg/L N	NS	<2.0	<2.0	<2.0	NS	<2.0	NS	NS
Soluble Phosphorus	mg/L P	NS	0.20	0.04	0.06	NS	0.65	NS	NS
Total Phosphorus	mg/L P	NS	0.50	<0.30	<0.30	NS	0.80	NS	NS
Escherichia Coliform[3]	MPN/100 mL	NS	43	9	430	NS	9	NS	NS
Fecal Coliform[3]	MPN/100 mL	NS	150	9	430	NS	23	NS	NS

Weather Conditions during monitoring: Winds South at 22 km/hr with no cloud cover. Average air temperature during survey at 24°C.

Notes:
1) LIMS Reference No: 33686
2) Calculated values
3) Analysed by contract laboratory.
4) There were no samples for Seine River at 59, 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: 24-Sep-12

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