

**City of Winnipeg
Water and Waste Department**

2012 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : May 9, 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	13.5	13.0	13.9	14.4	12.6	14.4	10.5	12.5
Dissolved Oxygen	mg/L	10.4	9.9	10.7	11.4	8.4	10.0	6.9	9.5
Oxygen Saturation ²	%	100	94	104	112	79	98	62	90
pH	units	8.31	8.32	8.33	8.34	7.82	8.23	8.44	8.10
Total Solids	mg/L	396	576	1530	1530	1230	648	1040	684
Total Suspended Solids	mg/L	7	30	9	65	36	67	8	8
Turbidity	n.t.u.	26.0	18.2	7.9	36.2	3.5	46.4	4.7	4.7
Total Organic Carbon	mg/L	15	15	11	13	18	11	14	14
Chlorophyll a	ug/L	<1	4	<1	15	2	9	5	4
Ammonia Nitrogen	mg/L N	0.014	0.028	0.025	0.025	0.003	0.038	0.012	0.032
Nitrate Nitrogen	mg/L N	0.005	0.140	0.008	0.004	0.029	0.030	0.027	0.013
Total Kjeldahl Nitrogen	mg/L N	2.0	3.0	2.0	3.0	3.0	3.0	3.0	2.0
Total Nitrogen ²	mg/L N	2.0	3.1	2.0	3.0	3.0	3.0	3.0	2.0
Soluble Phosphorus	mg/L P	0.04	0.06	0.04	<0.01	0.04	0.10	0.04	0.03
Total Phosphorus	mg/L P	<0.30	0.30	<0.30	0.40	0.30	0.50	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	120	430	<3	430	210	3	930	1500
Fecal Coliform ³	MPN/100 mL	120	430	23	430	210	3	930	1500

Weather Conditions during monitoring: Winds SW at 15 km/hr with 20 % cloud cover. Average air temperature during survey at 16 °C

- Notes: 1) LIMS Reference No: 32678
 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

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