

**City of Winnipeg
Water and Waste Department**

2009 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : July 15, 2009		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	17.9	17.5	16.0	17.2	17.3	19.4	18.6	16.1
Dissolved Oxygen	mg/L	7.7	6.9	6.3	7.6	5.1	6.5	6.6	5.3
Oxygen Saturation ²	%	82	72	64	80	53	71	71	54
pH	units	8.17	7.85	7.55	7.75	7.53	8.12	7.93	7.43
Total Solids	mg/L	403	407	653	280	423	720	607	213
Total Suspended Solids	mg/L	71	71	8	23	8	72	24	6
Turbidity	n.t.u.	57	66	16	27	16	63	16	10
Total Organic Carbon	mg/L	21	12	15	8	10	19	14	9
Chlorophyll a	ug/L	<1	4	7	2	4	23	31	6
Ammonia Nitrogen	mg/L N	0.029	0.079	0.112	0.129	0.016	0.172	0.077	0.019
Nitrate Nitrogen	mg/L N	0.099	0.584	1.175	0.547	0.246	0.683	0.082	0.060
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	2.2	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.19	0.22	0.27	0.18	0.21	0.33	0.26	0.09
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	<0.30	0.50	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	700	1700	170	16000	350	46	2200	460
Fecal Coliform ³	MPN/100 mL	700	3500	330	16000	350	46	2200	460

Weather Conditions during monitoring: Winds WNW at 42 km/hr with 100 % cloud cover. Average air temperature during survey at 15.3 C

Notes: 1) LIMS Reference No: 23531
2) Calculated values
3) Analysed by contract laboratory.

Report Compiled By: H.Demchenko
Compliance Reporting Technician

Approved for Distribution By: S.Fletcher
Supervisor of Analytical Services

Date Approved: 04-Aug-09

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