

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : May 28, 2008		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	17.0	18.0	13.3	16.4	16.4	19.2	14.6	14.8
Dissolved Oxygen	mg/L	9.1	9.4	6.7	9.1	10.0	9.4	5.4	9.1
Oxygen Saturation ²	%	95	99	64	94	102	102	53	90
pH	units	8.32	8.08	7.58	8.12	8.09	8.27	8.38	7.91
Total Solids	mg/L	386	434	1130	869	977	569	1040	577
Total Suspended Solids	mg/L	30	68	10	18	6	72	4	5
Turbidity	n.t.u.	21	29	5.0	8.0	3.4	44	3.0	1.9
Total Organic Carbon	mg/L	14	14	9	10	12	7	14	13
Chlorophyll a	ug/L	9	25	2	21	2	45	4	16
Ammonia Nitrogen	mg/L N	0.005	<0.003	0.019	0.071	<0.003	<0.003	0.030	0.015
Nitrate Nitrogen	mg/L N	0.019	0.202	0.026	0.071	0.029	0.024	0.040	0.025
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	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.06	0.08	0.03	0.04	0.07	0.09	0.12	0.06
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	<3	360	230	230	360	92	230	360
Fecal Coliform ³	MPN/100 mL	<3	360	230	230	360	92	230	360

Weather Conditions during monitoring: Winds SE at 18 km/hr with 80 % cloud cover. Average air temperature during survey at 19 °C

- Notes: 1) LIMS Reference No: 20123
 2) Calculated values
 3) Analysed by contract laboratory.

Report Compiled By: J. Jones
 Compliance Reporting Technician

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

Date Approved: 05-Aug-08

Distribution List (E-mail)
 Bill Borlase, Manager of Wastewater Services Division
 Paul Lagasse, Wastewater Engineer, Wastewater Services Division
 Bill Watters, Field Service Operations, Wastewater Services Division
 Grant Mohr, Land Drainage Planning Engineer, Engineering Division
 Nick Szoke, Senior Wastewater Facilities Planning Engineer, Engineering Division
 Kathy Taylor, Business and Internal Communications Coordinator, Customer Services Division
 Scott Gaber, Internet Services Officer, Customer Services Division
 Kelly Kjartanson, Manager of Environmental Standards Division

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