

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	August 3, 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	18.9	19.6	16.3	22.1	25.6	20.6	17.9	19.8
Dissolved Oxygen	mg/L	8.1	7.5	8.6	7.4	8.9	7.0	2.6	7.8
Oxygen Saturation ²	%	88	82	88	85	111	78	28	86
pH	units	8.27	8.11	7.70	8.02	8.21	8.19	7.73	7.82
Total Solids	mg/L	473	443	1290	1530	1290	720	810	607
Total Suspended Solids	mg/L	22	24	4	21	12	49	51	5
Turbidity	n.t.u.	19	14	3.7	10	6.2	38	29	2.7
Total Organic Carbon	mg/L	13	15	8	8	18	13	18	9
Chlorophyll a	ug/L	4	2	4	7	24	18	98	<1
Ammonia Nitrogen	mg/L N	<0.003	0.013	<0.003	0.088	0.037	0.013	0.887	0.025
Nitrate Nitrogen	mg/L N	0.028	0.032	0.015	0.087	0.022	0.025	0.035	0.061
Total Kjeldahl Nitrogen	mg/L N	3.0	4.0	3.0	4.0	5.0	4.0	6.0	4.0
Total Nitrogen ²	mg/L N	3.0	4.0	3.0	4.1	5.0	4.0	6.0	4.1
Soluble Phosphorus	mg/L P	0.10	0.13	0.09	0.15	0.19	0.55	1.03	0.26
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	0.40	0.70	1.30	<0.30
Escherichia Coliform ³	MPN/100 mL	80	170	500	80	17	110	8000	110
Fecal Coliform ³	MPN/100 mL	80	300	500	80	500	110	8000	110

Weather Conditions during monitoring: Winds NW at 11 km/hr with 30 % cloud cover. Average air temperature during survey at 19.5 °C

- Notes: 1) LIMS Reference No: 20781
 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: 22-Aug-08

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