

**City of Winnipeg  
Water and Waste Department**

**2008 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	July 24, 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	21.1	22.2	21.9	24.1	23.5	22.3	19.6	23.5
Dissolved Oxygen	mg/L	7.3	5.7	9.5	8.4	5.9	6.3	2.0	6.4
Oxygen Saturation <sup>2</sup>	%	83	66	109	100	70	74	22	76
pH	units	8.15	7.92	7.82	8.27	8.11	8.31	7.68	7.92
Total Solids	mg/L	290	280	1170	1420	803	553	747	480
Total Suspended Solids	mg/L	52	15	4	11	7	59	8	<4
Turbidity	n.t.u.	43	15	3.4	8.4	4.5	50	4.6	1.5
Total Organic Carbon	mg/L	19	19	11	10	20	17	19	13
Chlorophyll a	ug/L	4	3	2	19	5	20	5	2
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.478	<0.003
Nitrate Nitrogen	mg/L N	0.076	0.050	0.018	0.020	0.051	0.041	0.038	0.020
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.0	<2.0
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.0	<2.0
Soluble Phosphorus	mg/L P	0.12	0.19	0.11	0.08	0.33	0.70	0.90	0.24
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	0.40	0.80	1.00	<0.30
Escherichia Coliform <sup>3</sup>	MPN/100 mL	20	<2	2	<2	2	13	500	<2
Fecal Coliform <sup>3</sup>	MPN/100 mL	1400	1300	230	1700	1700	50	700	900

Weather Conditions during monitoring: Winds W at 18 km/hr with 66% cloud cover. Average air temperature during survey at 24.3°C

<p>Notes: 1) LIMS Reference No: 20685 2) Calculated values 3) Analysed by contract laboratory.</p> <p>Report Compiled By: <u>J. Jones</u> Compliance Reporting Technician</p> <p>Approved for Distribution By: <u>S. Fletcher</u> Supervisor of Analytical Services</p> <p>Date Approved: <u>03-Sep-08</u></p>	<p>Distribution List (E-mail)</p> <p>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</p> <p>File No: 040-14-09-03-00</p>
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