

**City of Winnipeg  
Water and Waste Department**

**2008 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> : June 26, 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	21.8	22.4	18.3	22.1	21.2	24.3	20.9	19.1
Dissolved Oxygen	mg/L	7.3	6.0	6.6	6.8	10.4	13.6	2.6	5.2
Oxygen Saturation <sup>2</sup>	%	84	70	70	79	118	165	29	57
pH	units	8.13	8.10	7.70	7.95	8.53	8.73	8.06	7.84
Total Solids	mg/L	400	433	943	933	883	440	897	653
Total Suspended Solids	mg/L	77	59	17	24	<4	32	7	<4
Turbidity	n.t.u.	69	49	6.6	11	2.4	21	3.0	1.3
Total Organic Carbon	mg/L	15	15	13	14	18	14	15	12
Chlorophyll a	ug/L	5	5	4	23	14	89	2	2
Ammonia Nitrogen	mg/L N	0.015	0.066	0.027	0.038	0.003	0.010	0.057	0.040
Nitrate Nitrogen	mg/L N	0.101	0.127	0.049	0.127	0.047	0.032	0.086	0.041
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	3.0	2.0	<2.0
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	3.0	2.1	<2.0
Soluble Phosphorus	mg/L P	0.09	0.23	0.28	0.23	0.18	0.26	0.28	0.15
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	<0.30	<0.30
Escherichia Coliform <sup>3</sup>	MPN/100 mL	360	360	74	920	360	36	230	92
Fecal Coliform <sup>3</sup>	MPN/100 mL	360	360	74	920	360	36	230	2100

Weather Conditions during monitoring: Winds SW at 9.7 km/hr with 55 % cloud cover and 0.5 mm of precipitation. Average air temperature during survey at 22.4 °C

- Notes: 1) LIMS Reference No: 20405  
 2) Calculated values  
 3) Analysed by contract laboratory.

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Date Approved: 05-Aug-08

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