

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : July 10, 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	20.4	20.8	15.6	20.3	19.9	22.2	18.3	17.9
Dissolved Oxygen	mg/L	8.0	8.0	6.4	7.1	7.8	7.9	2.8	7.6
Oxygen Saturation ²	%	89	90	65	79	86	92	30	81
pH	units	8.17	8.24	7.72	7.95	7.96	8.06	7.80	7.65
Total Solids	mg/L	430	423	1270	1150	740	593	860	570
Total Suspended Solids	mg/L	83	43	9	21	11	60	12	<4
Turbidity	n.t.u.	46	10	4.2	8.3	4.9	40	4.2	1.3
Total Organic Carbon	mg/L	15	16	9	9	11	12	13	9
Chlorophyll a ⁴	ug/L	NR	NR	5	19	40	100	86	<1
Ammonia Nitrogen	mg/L N	0.024	0.041	0.014	0.024	0.031	0.089	0.023	0.022
Nitrate Nitrogen	mg/L N	0.111	0.097	0.023	0.042	0.044	0.095	0.146	0.030
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	0.10	0.14	0.07	0.10	0.25	0.49	0.30	0.13
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	<0.30	0.60	0.40	<0.30
Escherichia Coliform ³	MPN/100 mL	36	920	150	920	360	74	230	92
Fecal Coliform ³	MPN/100 mL	36	920	150	920	360	74	230	290

Weather Conditions during monitoring: Winds E at 14 km/hr with 30 % cloud cover. Average air temperature during survey at 20 °C

- Notes: 1) LIMS Reference No: 20529
 2) Calculated values
 3) Analysed by contract laboratory.

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Date Approved: 05-Aug-08

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