

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : May 8, 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	9.7	10.5	7.8	9.8	8.2	11.0	7.8	6.3
Dissolved Oxygen	mg/L	11.4	12.7	9.9	11.5	17.5	12.1	10.2	11.1
Oxygen Saturation ²	%	100	114	83	101	148	110	86	90
pH	units	8.51	8.72	7.85	8.26	8.75	9.09	8.70	8.08
Total Solids	mg/L	277	313	683	600	773	317	813	893
Total Suspended Solids	mg/L	19	30	8	17	4	37	8	<4
Turbidity	n.t.u.	19	23	11	20	5.2	31	8.8	5.2
Total Organic Carbon	mg/L	11	13	10	11	11	7	12	9
Chlorophyll a	ug/L	6	9	5	18	8	16	26	9
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.029	0.006	<0.003	<0.003	<0.003	0.013
Nitrate Nitrogen	mg/L N	0.024	0.032	0.037	0.038	0.026	0.021	0.030	0.047
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	0.04	0.06	0.13	0.15	0.03	0.07	0.07	0.04
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	2300	74	23	92	4	9	2300	4
Fecal Coliform ³	MPN/100 mL	2300	74	23	92	4	9	3600	4

Weather Conditions during monitoring: Winds NW at 13 km/hr with 25 % cloud cover. Average air temperature during survey at 8 °C

- Notes: 1) LIMS Reference No: 19963
 2) Calculated values
 3) Analysed by contract laboratory.

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Date Approved: 05-Aug-08

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