

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : May 15, 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	15.0	15.9	12.0	11.7	12.2	14.4	11.9	11.2
Dissolved Oxygen	mg/L	10.2	12.4	9.4	9.1	8.7	9.9	7.7	10.5
Oxygen Saturation ²	%	102	126	87	84	81	97	71	96
pH	units	8.37	8.56	7.76	7.88	7.82	8.34	8.48	7.95
Total Solids	mg/L	320	447	850	777	657	390	793	500
Total Suspended Solids	mg/L	22	23	16	31	7	57	22	17
Turbidity	n.t.u.	21	19	13	25	9.5	42	8.2	11
Total Organic Carbon	mg/L	121	11	11	9	11	7	12	9
Chlorophyll a	ug/L	4	18	11	9	4	21	16	11
Ammonia Nitrogen	mg/L N	0.013	0.035	0.011	0.060	<0.003	0.009	<0.003	0.014
Nitrate Nitrogen	mg/L N	0.027	0.776	0.024	0.216	0.133	0.041	0.024	0.072
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	0.05	0.07	0.08	0.10	0.02	0.09	0.05	0.06
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	36	23	92	230	230	23	230	<3.0
Fecal Coliform ³	MPN/100 mL	36	23	92	360	230	36	230	23

Weather Conditions during monitoring: Winds W at 16 km/hr with 30 % cloud cover. Average air temperature during survey at 16.1 °C

- Notes: 1) LIMS Reference No: 20029
 2) Calculated values
 3) Analysed by contract laboratory.

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Date Approved: 05-Aug-08

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