

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : August 22, 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	22.3	22.0	20.5	23.6	24.0	23.7	21.2	22.8
Dissolved Oxygen	mg/L	7.2	6.6	8.6	8.4	9.8	7.2	3.4	6.9
Oxygen Saturation ²	%	84	76	96	100	117	86	39	81
pH	units	8.51	8.18	7.86	8.26	8.33	8.47	8.34	8.02
Total Solids	mg/L	490	443	1250	4590	900	697	713	633
Total Suspended Solids	mg/L	26	12	8	16	17	63	23	<4
Turbidity	n.t.u.	21	10	3.4	11	4.4	14	27	2.1
Total Organic Carbon	mg/L	18	18	13	10	18	19	15	12
Chlorophyll a	ug/L	11	7	5	26	65	30	96	<1
Ammonia Nitrogen	mg/L N	0.007	0.013	<0.003	0.011	<0.003	<0.003	<0.003	0.014
Nitrate Nitrogen	mg/L N	0.012	0.034	0.016	0.086	0.024	0.010	0.014	0.063
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	3.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	3.0	<2.0
Soluble Phosphorus	mg/L P	0.09	0.17	0.15	0.11	0.21	0.55	0.16	0.24
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	<0.30	0.53	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	70	110	80	12	50	50	500	14
Fecal Coliform ³	MPN/100 mL	110	300	80	140	170	50	700	50

Weather Conditions during monitoring: Winds S at 41 km/hr with 27% cloud cover. Average air temperature during survey at 26°C

- Notes: 1) LIMS Reference No: 20959
 2) Calculated values
 3) Analysed by contract laboratory.

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Date Approved: 05-Sep-08

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File No: 040-14-09-03-00