

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	October 2, 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	11.1	11.5	11.0	13.9	13.6	12.6	10.8	11.3
Dissolved Oxygen	mg/L	10.1	8.9	10.6	10.6	10.5	9.4	7.1	11.2
Oxygen Saturation ²	%	92	82	97	103	101	89	64	102
pH	units	8.05	7.85	7.64	8.12	8.04	7.98	7.92	8.09
Total Solids	mg/L	312	404	1170	900	676	472	660	636
Total Suspended Solids	mg/L	30	25	<4	29	10	61	30	4
Turbidity	n.t.u.	38	33	2.2	25	12	67	26	5.0
Total Organic Carbon	mg/L	15	13	11	15	16	13	12	11
Chlorophyll a	ug/L	2	5	3	6	5	30	71	5
Ammonia Nitrogen	mg/L N	<0.003	0.041	<0.003	0.044	0.014	0.033	0.277	0.015
Nitrate Nitrogen	mg/L N	0.016	0.232	0.023	0.231	0.040	0.230	0.203	0.033
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	4.0	<2.0	<2.0	2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	4.2	<2.0	<2.0	2.2	<2.0
Soluble Phosphorus	mg/L P	0.25	0.28	0.12	0.17	0.13	0.34	0.11	0.06
Total Phosphorus	mg/L P	<0.30	0.30	<0.30	<0.30	<0.30	0.40	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	70	70	50	7	23	170	30	30
Fecal Coliform ³	MPN/100 mL	140	300	50	50	130	170	80	30

Weather Conditions during monitoring: Winds NE at 18 km/hr with 30% cloud cover. Average air temperature during survey at 11°C

- Notes: 1) LIMS Reference No: 21292
 2) Calculated values
 3) Analysed by contract laboratory.

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Date Approved: 22-Oct-08

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