

**City of Winnipeg  
Water and Waste Department**

**2008 SMALL STREAMS SURVEY MONITORING REPORT**

Parameter	Unit	Small Streams Sampling Locations							
		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	3.8	3.7	5.7	6.6	6.4	5.9	4.4	6.2
Dissolved Oxygen	mg/L	13.8	13.4	10.1	13.2	13.4	11.6	11.5	12.9
Oxygen Saturation <sup>2</sup>	%	104	102	80	107	109	93	88	104
pH	units	8.07	7.99	7.57	8.01	8.08	7.92	8.17	8.07
Total Solids	mg/L	352	516	936	840	724	456	888	684
Total Suspended Solids	mg/L	9	30	10	17	23	15	21	9
Turbidity	n.t.u.	14	27	14	22	27	26	12	8.5
Total Organic Carbon	mg/L	16	13	12	15	16	14	14	10
Chlorophyll a	ug/L	1	4	2	1	59	11	136	1
Ammonia Nitrogen	mg/L N	0.008	0.007	0.133	0.145	0.006	0.061	0.008	0.007
Nitrate Nitrogen	mg/L N	0.027	0.149	0.253	0.370	0.042	0.329	0.185	0.228
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.0	<2.0
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.2	<2.0
Soluble Phosphorus	mg/L P	0.08	0.09	0.22	0.27	0.17	0.32	0.07	0.04
Total Phosphorus	mg/L P	<0.30	<0.30	1.20	<0.30	<0.30	0.40	<0.30	<0.30
Escherichia Coliform <sup>3</sup>	MPN/100 mL	33	400	4	330	110	23	14	330
Fecal Coliform <sup>3</sup>	MPN/100 mL	49	400	7	490	170	130	22	330

Weather Conditions during monitoring: Winds W at 25km/hr with 9% cloud cover. Average air temperature during survey at 12°C

- Notes: 1) LIMS Reference No: 21523  
 2) Calculated values  
 3) Analysed by contract laboratory.

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Date Approved: 14-Nov-08

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