

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	September 18, 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	13.9	13.6	12.1	16.7	16.6	15.6	12.8	15.4
Dissolved Oxygen	mg/L	9.9	9.6	8.9	11.0	8.9	9.4	5.0	9.5
Oxygen Saturation ²	%	96	93	83	114	92	95	48	95
pH	units	8.34	8.30	7.76	8.20	7.82	8.37	7.74	8.01
Total Solids	mg/L	344	336	1210	1220	672	696	740	708
Total Suspended Solids	mg/L	26	23	24	15	10	48	23	6
Turbidity	n.t.u.	19	13	2.6	9.2	8.7	40	19	4.0
Total Organic Carbon	mg/L	25	21	40	31	46	17	15	43
Chlorophyll a	ug/L	7	2	5	21	5	25	28	9
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	0.018	<0.003	0.716	0.008
Nitrate Nitrogen	mg/L N	0.024	0.031	0.023	0.413	0.047	0.033	0.255	0.068
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	0.08	0.09	0.08	0.07	0.23	0.28	0.19	0.09
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	110	50	23	140	130	60	22	14
Fecal Coliform ³	MPN/100 mL	110	230	23	220	130	2200	230	80

Weather Conditions during monitoring: Winds S at 27 km/hr with 10 % cloud cover. Average air temperature during survey at 18°C

- Notes: 1) LIMS Reference No: 21167
 2) Calculated values
 3) Analysed by contract laboratory.

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Date Approved: 07-Oct-08

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