

**City of Winnipeg
Water and Waste Department**

2010 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : June 30, 2010		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	18.8	19.8	19.3	19.0	19.8	20.7	20.0	18.1
Dissolved Oxygen	mg/L	7.7	6.5	6.3	7.4	6.3	5.5	7.5	9.7
Oxygen Saturation ²	%	84	72	68	80	70	61	84	103
pH	units	8.03	7.98	7.67	7.76	7.72	7.50	8.26	8.22
Total Solids	mg/L	460	440	348	372	416	456	800	636
Total Suspended Solids	mg/L	136	80	92	82	38	82	9	<4
Turbidity	n.t.u.	115	65.4	94.3	88.3	44.0	144	3.2	1.4
Total Organic Carbon	mg/L	20	20	20	19	20	18	17	19
Chlorophyll a	ug/L	4	5	4	7	4	6	2	4
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.038	0.034	<0.003	0.032	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.067	0.231	0.112	0.132	0.852	2.450	0.086	0.018
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	3.0	2.0	<2.0	<2.0	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	3.1	2.9	3.5	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.20	0.23	0.63	0.59	0.47	0.57	0.25	0.27
Total Phosphorus	mg/L P	0.40	0.40	0.80	0.80	0.60	0.80	0.30	0.30
Escherichia Coliform ³	MPN/100 mL	43	93	23	430	430	150	930	38
Fecal Coliform ³	MPN/100 mL	43	93	38	430	430	150	930	38

Weather Conditions during monitoring: Winds SE at 35 km/hr with 85% cloud cover. Average air temperature during survey at 21°C

- Notes: 1) LIMS Reference No: 26590
 2) Calculated values
 3) Analysed by contract laboratory.

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