

**City of Winnipeg
Water and Waste Department**

2009 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : August 26, 2009		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	17.7	17.7	19.0	18.9	18.3	18.5	18.1	17.4
Dissolved Oxygen	mg/L	7.4	7.6	4.0	6.7	5.3	7.7	7.3	5.1
Oxygen Saturation ²	%	78	80	44	73	56	82	77	53
pH	units	7.87	8.05	7.43	7.62	7.76	7.74	8.19	7.64
Total Solids	mg/L	368	476	316	388	888	380	792	508
Total Suspended Solids	mg/L	89	51	18	20	<4	80	5	12
Turbidity	n.t.u.	53.5	35.6	22.9	29.4	3.1	61.5	6.6	4.2
Total Organic Carbon	mg/L	18	17	22	18	18	13	15	11
Chlorophyll a	ug/L	2	8	2	4	2	2	23	2
Ammonia Nitrogen	mg/L N	0.013	0.040	0.060	0.064	0.050	0.054	0.039	0.003
Nitrate Nitrogen	mg/L N	0.060	0.281	0.032	0.072	0.082	0.123	0.069	0.036
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	0.31	0.28	0.69	0.65	0.28	0.40	0.24	0.11
Total Phosphorus	mg/L P	0.70	NR	0.70	NR	0.50	0.70	0.40	NR
Escherichia Coliform ³	MPN/100 mL	170	280	79	230	140	31	1300	46
Fecal Coliform ³	MPN/100 mL	170	790	330	230	140	43	1300	170

Weather Conditions during monitoring: Winds SE at 11 km/hr with 0% cloud cover. Average air temperature during survey at 18.8 C

Notes: 1) LIMS Reference No: 23943
 2) Calculated values
 3) Analysed by contract laboratory.
 4) There are no Total Phosphorus results for Seine River at Provencher, Sturgeon Creek at Portage, and Truro Creek at Portage due to a sample preparation error.

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