

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : June 12, 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	15.8	14.6	13.0	13.5	14.3	16.0	14.5	12.7
Dissolved Oxygen	mg/L	8.1	7.0	7.6	8.4	6.2	7.9	6.5	8.0
Oxygen Saturation ²	%	82	69	72	81	60	81	64	75
pH	units	8.12	7.78	7.83	7.84	7.59	7.77	7.82	7.77
Total Solids	mg/L	463	474	503	491	491	580	737	326
Total Suspended Solids	mg/L	87	66	54	51	14	246	15	12
Turbidity	n.t.u.	60	44	46	38	23	200	9.2	11
Total Organic Carbon	mg/L	15	11	15	14	13	12	13	10
Chlorophyll a	ug/L	4	9	7	4	9	7	11	4
Ammonia Nitrogen	mg/L N	0.010	0.116	0.058	0.051	0.013	0.100	0.045	<0.003
Nitrate Nitrogen	mg/L N	0.928	1.342	2.941	2.770	2.341	4.879	0.312	0.069
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	0.15	0.23	0.36	0.30	0.35	0.30	0.21	0.07
Total Phosphorus	mg/L P	<0.30	<0.30	0.40	<0.30	0.40	0.60	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	360	9200	230	2300	230	230	360	920
Fecal Coliform ³	MPN/100 mL	360	9200	230	2300	230	230	360	920

Weather Conditions during monitoring: Winds S at 33 km/hr with 73 % cloud cover and 14.5 mm of precipitation. Average air temperature during survey at 14.7 °C

- Notes: 1) LIMS Reference No: 20249
 2) Calculated values
 3) Analysed by contract laboratory.

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