

**City of Winnipeg
Water and Waste Department**

2009 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : July 2, 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	18.9	19.0	19.7	20.3	19.9	19.9	18.8	18.0
Dissolved Oxygen	mg/L	6.0	4.6	7.3	9.0	6.3	6.1	6.5	6.3
Oxygen Saturation ²	%	65	49	80	100	69	68	71	67
pH	units	7.56	7.52	7.76	8.15	8.35	7.65	7.72	7.79
Total Solids	mg/L	372	364	748	748	1010	408	732	500
Total Suspended Solids	mg/L	123	43	8	11	4	72	59	<4
Turbidity	n.t.u.	87	24	5	8	3	58	23	2
Total Organic Carbon	mg/L	23	17	26	25	37	13	17	13
Chlorophyll a	ug/L	2	2	7	4	4	15	11	1
Ammonia Nitrogen	mg/L N	0.045	0.347	0.030	0.033	0.014	0.045	0.068	0.034
Nitrate Nitrogen	mg/L N	1.955	2.814	2.341	1.695	0.010	3.012	0.226	0.030
Total Kjeldahl Nitrogen	mg/L N	<2.0	3.0	2.0	3.0	<2.0	<2.0	2.0	<2.0
Total Nitrogen ²	mg/L N	3.0	5.8	4.3	4.7	<2.0	4.0	2.2	<2.0
Soluble Phosphorus	mg/L P	0.36	0.34	0.50	0.33	0.37	0.34	0.24	0.17
Total Phosphorus	mg/L P	0.50	0.60	0.50	0.40	0.40	0.40	0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	170	700	310	140	940	580	1700	430
Fecal Coliform ³	MPN/100 mL	700	700	310	140	1400	580	1700	430

Weather Conditions during monitoring: Winds NE at 13 km/hr with 29 % cloud cover. Average air temperature during survey at 16.8 C

Notes: 1) LIMS Reference No: 23436
2) Calculated values
3) Analysed by contract laboratory.

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