

**City of Winnipeg
Water and Waste Department**

2009 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : June 4, 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	15.4	16.2	14.2	15.4	12.9	16.0	15.2	13.6
Dissolved Oxygen	mg/L	8.8	6.9	8.7	10.1	9.4	7.6	6.2	8.7
Oxygen Saturation ²	%	88	71	85	102	89	78	83	84
pH	units	8.28	8.08	7.84	8.25	8.09	8.17	8.25	8.09
Total Solids	mg/L	388	468	648	828	984	480	996	660
Total Suspended Solids	mg/L	30	31	15	15	32	28	40	55
Turbidity	n.t.u.	24	17	8	10	32	17	5	73
Total Organic Carbon	mg/L	22	21	23	20	26	20	18	29
Chlorophyll a	ug/L	5	8	11	40	6	20	9	1
Ammonia Nitrogen	mg/L N	0.018	0.033	0.022	0.009	0.117	0.142	0.035	0.199
Nitrate Nitrogen	mg/L N	0.037	0.088	0.033	0.018	0.460	0.746	0.041	0.161
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	2.9	2.3	<2.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	<2.0	<2.0	<2.0	3.6	2.3	<2.0
Soluble Phosphorus	mg/L P	0.10	0.17	0.23	0.24	0.14	0.29	0.14	0.15
Total Phosphorus	mg/L P	<0.30	<0.30	0.30	0.40	<0.30	0.40	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	70	33	33	33	70	2	790	170
Fecal Coliform ³	MPN/100 mL	70	33	33	49	310	9	1300	170
Weather Conditions during monitoring:		Winds WNW at 8.8 km/hr with 100 % cloud cover and trace precipitation. Average air temperature during survey at 12.8°C							
Notes: 1) LIMS Reference No: 23166 2) Calculated values 3) Analysed by contract laboratory.		Report Compiled By: <u>H.Demchenko</u> Compliance Reporting Technician							
		Approved for Distribution By: <u>S.Fletcher</u> Supervisor of Analytical Services							
		Date Approved: <u>04-Aug-09</u>							
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