

**City of Winnipeg
Water and Waste Department**

2009 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : September 3, 2009		Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59	SEINE RIVER @ PROVENCHEUR 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	19.1	19.1	19.2	21.7	21.4	20.1	19.7	20.6
Dissolved Oxygen	mg/L	7.9	7.6	6.4	8.2	8.6	7.3	3.0	8.3
Oxygen Saturation ²	%	86	82	70	93	98	81	32	93
pH	units	8.12	8.18	7.55	7.98	8.08	7.89	7.77	7.94
Total Solids	mg/L	368	388	576	664	808	420	800	712
Total Suspended Solids	mg/L	136	51	16	17	<4	80	11	<4
Turbidity	n.t.u.	51.0	40.8	18.2	15.5	3.1	80.5	11.2	3.7
Total Organic Carbon	mg/L	16	15	16	15	11	11	14	11
Chlorophyll a	ug/L	2	3	4	13	5	19	11	130
Ammonia Nitrogen	mg/L N	0.010	0.024	0.049	0.038	0.008	0.011	0.537	0.005
Nitrate Nitrogen	mg/L N	0.058	0.097	0.096	0.148	0.020	0.036	0.172	0.025
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	0.16	0.20	0.46	0.49	0.27	0.40	0.32	0.16
Total Phosphorus	mg/L P	0.60	0.30	0.60	0.60	0.40	0.70	0.40	<0.30
Escherichia Coliform ³	MPN/100 mL	330	330	1700	490	330	27	79	79
Fecal Coliform ³	MPN/100 mL	330	330	1700	490	330	79	79	79

Weather Conditions during monitoring: Winds S at 8 km/hr with 0% cloud cover. Average air temperature during survey at 22.7 C

Notes: 1) LIMS Reference No: 24012
2) Calculated values
3) Analysed by contract laboratory.

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