

**City of Winnipeg
Water and Waste Department**

2009 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : June 18, 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	20.2	20.7	20.7	20.4	21.2	20.9	20.0	20.0
Dissolved Oxygen	mg/L	7.5	6.3	8.2	9.4	7.7	8.2	4.8	6.8
Oxygen Saturation ²	%	84	70	92	105	87	93	54	75
pH	units	8.25	8.10	8.09	8.27	8.15	8.21	8.43	7.92
Total Solids	mg/L	448	536	660	992	1160	708	1170	820
Total Suspended Solids	mg/L	42	83	8	14	11	29	11	22
Turbidity	n.t.u.	32	60	NS	NS	13	19	5	30
Total Organic Carbon	mg/L	16	22	24	19	16	16	21	14
Chlorophyll a	ug/L	4	6	4	12	6	45	11	<1
Ammonia Nitrogen	mg/L N	0.012	0.012	0.012	0.011	0.020	0.011	0.012	0.010
Nitrate Nitrogen	mg/L N	<0.003	0.086	<0.003	0.091	0.026	0.003	0.057	0.015
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	0.10	0.17	0.23	0.17	0.17	0.15	0.34	0.21
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	0.30	0.30	0.70	<0.30
Escherichia Coliform ³	MPN/100 mL	94	230	140	110	150	13	230	330
Fecal Coliform ³	MPN/100 mL	94	330	140	220	210	17	310	330

Weather Conditions during monitoring: Winds NE at 22 km/hr with 0 % cloud cover. Average air temperature during survey at 22.8 C

Notes: 1) LIMS Reference No: 23313
 2) Calculated values
 3) Analysed by contract laboratory.
 4) Sturgeon Creek samples not analysed for turbidity because there was not enough sample.

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Date Approved: 04-Aug-09

File No: 040-14-09-03-00