

**City of Winnipeg
Water and Waste Department**

2008 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	October 16, 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	7.2	7.1	7.0	8.1	8.1	7.7	7.3	8.5
Dissolved Oxygen	mg/L	11.2	10.8	9.4	10.5	10.4	11.4	9.9	12.2
Oxygen Saturation ²	%	93	89	77	89	88	95	82	104
pH	units	8.02	7.95	7.71	7.81	7.80	7.96	7.90	8.02
Total Solids	mg/L	328	452	468	452	512	456	704	508
Total Suspended Solids	mg/L	17	16	13	20	12	33	33	5
Turbidity	n.t.u.	40	26	56	59	23	78	26	8.0
Total Organic Carbon	mg/L	12	10	11	15	15	14	13	14
Chlorophyll a	ug/L	2	12	9	5	6	12	40	<1
Ammonia Nitrogen	mg/L N	0.037	0.049	0.245	0.523	0.007	0.020	0.258	<0.003
Nitrate Nitrogen	mg/L N	0.067	0.393	0.864	1.009	0.121	0.415	0.368	0.173
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	2.9	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.25	0.20	0.61	0.77	0.37	0.36	0.12	0.08
Total Phosphorus	mg/L P	<0.30	<0.30	0.70	0.90	0.40	0.40	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	27	170	140	30	240	220	300	70
Fecal Coliform ³	MPN/100 mL	110	170	140	30	300	700	500	110

Weather Conditions during monitoring: Winds W at 8 km/hr with 25% cloud cover. Average air temperature during survey at 8°C

- Notes: 1) LIMS Reference No: 21391
 2) Calculated values
 3) Analysed by contract laboratory.

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Date Approved: 28-Oct-08

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