

**City of Winnipeg
Water and Waste Department**

2010 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	April 21, 2010	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	11.0	12.4	10.6	12.6	12.1	10.5	11.8	10.3
Dissolved Oxygen	mg/L	9.7	9.1	9.3	11.2	12.4	11.9	7.4	10.4
Oxygen Saturation ²	%	88	85	84	106	115	107	69	93
pH	units	8.22	8.06	7.70	8.23	8.32	8.13	8.37	8.10
Total Solids	mg/L	328	280	888	828	1120	240	888	68
Total Suspended Solids	mg/L	25	18	11	18	5	11	33	<4
Turbidity	n.t.u.	28.5	18.2	10.2	14.9	5.9	9.9	24.4	2.2
Total Organic Carbon	mg/L	13	14	16	18	18	15	19	13
Chlorophyll a	ug/L	2	1	7	2	<1	57	52	<1
Ammonia Nitrogen	mg/L N	0.004	0.008	0.016	<0.003	0.007	0.019	<0.003	0.015
Nitrate Nitrogen	mg/L N	0.030	0.030	0.044	0.017	0.022	0.835	0.017	0.034
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	0.04	0.06	0.10	0.11	0.05	0.22	0.10	0.08
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	0.30	<0.30	0.50	0.40	<0.30
Escherichia Coliform ³	MPN/100 mL	79	4	49	33	220	2	12	2
Fecal Coliform ³	MPN/100 mL	79	13	49	33	220	2	79	4

Weather Conditions during monitoring: Wind ESE at 10 km/hr with 10% cloud cover. Average air temperature during survey at 8°C.

- Notes: 1) LIMS Reference No: 25947
 2) Calculated values
 3) Analysed by contract laboratory.

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Approved in LIMS By: S. Fletcher
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