

**City of Winnipeg
Water and Waste Department**

2010 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	May 5, 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	9.0	9.6	8.9	9.1	8.4	10.7	11.1	7.8
Dissolved Oxygen	mg/L	9.7	9.8	9.8	10.2	9.5	9.8	9.2	10.2
Oxygen Saturation ²	%	84	86	85	89	81	88	83	86
pH	units	8.22	8.23	8.16	8.20	7.84	8.18	8.35	7.93
Total Solids	mg/L	540	516	696	544	568	508	924	272
Total Suspended Solids	mg/L	47	44	79	82	25	56	53	6
Turbidity	n.t.u.	38.6	60.9	49.9	22.0	24.7	35.2	33.8	12.0
Total Organic Carbon	mg/L	18	13	19	15	11	12	14	8
Chlorophyll a	ug/L	4	14	76	4	4	44	141	4
Ammonia Nitrogen	mg/L N	0.091	0.044	0.417	0.033	0.013	0.003	0.015	0.005
Nitrate Nitrogen	mg/L N	3.520	2.530	6.220	1.640	0.449	0.364	0.332	0.242
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	4.5	3.5	7.2	2.6	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.06	0.16	0.28	0.16	0.09	0.12	0.11	0.06
Total Phosphorus	mg/L P	<0.30	<0.30	0.40	<0.30	<0.30	<0.30	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	70	280	79	630	330	23	940	49
Fecal Coliform ³	MPN/100 mL	70	330	79	940	790	23	940	49

Weather Conditions during monitoring: Winds N at 48 km/hr with 100% cloud cover and light precipitation. Average air temperature during survey at 4.4°C

- Notes: 1) LIMS Reference No: 26047
 2) Calculated values
 3) Analysed by contract laboratory.

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