

**City of Winnipeg
Water and Waste Department**

2010 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	May 20, 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	18.4	18.6	17.2	20.3	19.4	20.8	17.8	18.5
Dissolved Oxygen	mg/L	8.3	8.1	10.5	11.8	8.2	14.2	5.1	8.4
Oxygen Saturation ²	%	89	87	109	131	89	160	54	90
pH	units	8.26	8.29	7.78	8.55	8.00	8.63	8.41	7.90
Total Solids	mg/L	364	368	988	1060	1140	520	1070	736
Total Suspended Solids	mg/L	37	32	8	11	33	25	19	<4
Turbidity	n.t.u.	30.8	30.4	8.5	6.7	16.0	16.0	3.7	1.9
Total Organic Carbon	mg/L	17	17	16	19	19	18	20	17
Chlorophyll a	ug/L	9	25	7	51	32	23	9	2
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.014	0.023	0.010	<0.003	0.069	0.010
Nitrate Nitrogen	mg/L N	0.008	0.003	0.006	0.017	0.039	5.470	0.063	0.021
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	6.5	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.05	0.06	0.09	0.06	0.11	0.20	0.13	0.12
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	<0.30	0.50	<0.30	<0.30
Escherichia Coliform ³	MPN/100 mL	23	75	75	3	380	43	430	43
Fecal Coliform ³	MPN/100 mL	23	75	75	3	380	43	430	380

Weather Conditions during monitoring: Winds S at 19 km/hr with no cloud cover. Average air temperature during survey at 25.5°C.

- Notes: 1) LIMS Reference No: 26212
 2) Calculated values
 3) Analysed by contract laboratory.

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