

**City of Winnipeg  
Water and Waste Department**

**2010 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	June 16, 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	20.0	21.2	22.7	22.8	23.5	21.3	20.1	22.0
Dissolved Oxygen	mg/L	7.8	6.7	4.9	6.8	7.9	6.3	4.6	10.6
Oxygen Saturation <sup>2</sup>	%	86	76	58	80	93	72	51	122
pH	units	8.02	7.92	7.41	7.77	7.85	7.39	8.20	8.07
Total Solids	mg/L	476	468	496	524	836	412	748	752
Total Suspended Solids	mg/L	95	46	68	49	6	27	10	30
Turbidity	n.t.u.	76.5	39.4	73.0	65.0	5.8	57.6	6.2	1.6
Total Organic Carbon	mg/L	17	16	20	19	21	18	16	19
Chlorophyll a	ug/L	3	3	2	7	4	10	7	3
Ammonia Nitrogen	mg/L N	0.007	0.078	0.117	0.125	<0.003	0.119	0.120	<0.003
Nitrate Nitrogen	mg/L N	0.171	0.548	0.553	0.612	0.354	0.554	0.238	0.104
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	2.6	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.12	0.18	0.73	0.72	0.53	0.64	0.20	0.22
Total Phosphorus	mg/L P	0.40	0.40	1.10	1.00	0.70	1.00	<0.30	0.40
Escherichia Coliform <sup>3</sup>	MPN/100 mL	240	43	43	43	93	9	150	120
Fecal Coliform <sup>3</sup>	MPN/100 mL	240	93	93	43	240	9	150	210

Weather Conditions during monitoring: Winds S at 8 km/hr with 5% cloud cover. Average air temperature during survey at 23.4°C

- Notes: 1) LIMS Reference No: 26468  
 2) Calculated values  
 3) Analysed by contract laboratory.

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