

**City of Winnipeg  
Water and Waste Department**

**2010 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	July 28, 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	22.3	22.5	NS	23.0	22.9	23.8	20.9	20.6
Dissolved Oxygen	mg/L	7.4	6.5	NS	8.5	8.5	6.6	3.5	7.0
Oxygen Saturation <sup>2</sup>	%	86	76	NS	100	100	79	40	78
pH	units	8.20	8.10	NS	8.17	8.44	7.89	7.72	7.97
Total Solids	mg/L	392	408	NS	1200	768	476	612	660
Total Suspended Solids	mg/L	75	70	NS	33	6	48	15	<4
Turbidity	n.t.u.	46.8	4.38	NS	17.8	2.75	61.0	4.61	2.88
Total Organic Carbon	mg/L	18	16	NS	15	14	11	14	17
Chlorophyll a	ug/L	4	21	NS	56	4	23	4	2
Ammonia Nitrogen	mg/L N	<0.003	<0.003	NS	<0.003	<0.003	0.019	0.202	<0.003
Nitrate Nitrogen	mg/L N	0.070	0.123	NS	0.074	<0.003	0.066	0.090	0.014
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	<2.0	<2.0
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	<2.0	<2.0
Soluble Phosphorus	mg/L P	0.11	0.14	NS	0.20	0.43	0.57	0.24	0.30
Total Phosphorus	mg/L P	<0.30	<0.30	NS	0.30	0.50	0.80	<0.30	0.60
Escherichia Coliform <sup>3</sup>	MPN/100 mL	230	210	NS	>11000	23	23	430	93
Fecal Coliform <sup>3</sup>	MPN/100 mL	230	2400	NS	>110000	43	23	430	93

Weather Conditions during monitoring: Winds NW at 17 km/hr with 40% cloud cover and 2.4 mm of precipitation. Average air temperature during survey at 21°C

- Notes:
- 1) LIMS Reference No: 26865
  - 2) Calculated values
  - 3) Analysed by contract laboratory.
  - 4) There is no sample at Sturgeon Creek at the Perimeter because the sample location was not accessible.

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