

**City of Winnipeg
Water and Waste Department**

2010 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	August 11, 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	24.0	24.4	NS	25.7	24.6	25.4	23.3	23.5
Dissolved Oxygen	mg/L	7.1	6.5	NS	6.9	7.5	6.7	2.4	3.4
Oxygen Saturation ²	%	85	79	NS	86	91	82	28	41
pH	units	8.19	8.08	NS	7.87	8.30	8.14	7.55	7.45
Total Solids	mg/L	392	384	NS	664	940	624	724	840
Total Suspended Solids	mg/L	56	60	NS	21	5	84	7	12
Turbidity	n.t.u.	42.0	22.8	NS	16.2	2.94	65.4	6.56	5.78
Total Organic Carbon	mg/L	21	21	NS	18	16	18	19	25
Chlorophyll a	ug/L	2	6	NS	15	3	61	4	3
Ammonia Nitrogen	mg/L N	0.003	<0.003	NS	0.031	<0.003	<0.003	1.550	<0.003
Nitrate Nitrogen	mg/L N	0.066	0.065	NS	0.086	0.009	0.004	0.015	0.007
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	2.0	3.0
Total Nitrogen ²	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	2.0	3.0
Soluble Phosphorus	mg/L P	0.12	0.14	NS	0.34	0.30	0.55	0.39	0.10
Total Phosphorus	mg/L P	<0.30	0.40	NS	0.50	0.50	0.80	0.70	0.70
Escherichia Coliform ³	MPN/100 mL	93	230	NS	930	430	43	230	2400
Fecal Coliform ³	MPN/100 mL	230	230	NS	930	930	43	430	2400

Weather Conditions during monitoring: Winds W at 9 km/hr with 30% cloud cover. Average air temperature during survey at 24.6°C

- Notes:
- 1) LIMS Reference No: 26997
 - 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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Approved in LIMS By: S. Fletcher
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