

**City of Winnipeg
Water and Waste Department**

2011 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	June 1, 2011	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	12.8	14.3	NS	13.1	13.2	13.9	13.4	NS
Dissolved Oxygen	mg/L	8.7	8.0	NS	9.2	8.4	9.0	6.0	NS
Oxygen Saturation ²	%	82	78	NS	88	80	87	57	NS
pH	units	8.09	8.15	NS	8.06	8.11	8.17	8.30	NS
Total Solids	mg/L	616	564	NS	596	960	592	1000	NS
Total Suspended Solids	mg/L	74	9	NS	119	4	22	23	NS
Turbidity	n.t.u.	63.8	4.98	NS	185	5.15	12.1	14.2	NS
Total Organic Carbon	mg/L	16	14	NS	13	12	21	14	NS
Chlorophyll a	ug/L	13	28	NS	9	1	32	27	NS
Ammonia Nitrogen	mg/L N	0.203	<0.003	NS	0.163	<0.003	0.025	0.512	NS
Nitrate Nitrogen	mg/L N	5.070	<0.003	NS	1.280	0.020	0.587	0.042	NS
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	<2.0	NS
Total Nitrogen ²	mg/L N	6.1	<2.0	NS	2.3	<2.0	<2.0	<2.0	NS
Soluble Phosphorus	mg/L P	0.24	0.13	NS	0.32	0.09	0.25	0.08	NS
Total Phosphorus	mg/L P	0.40	<0.30	NS	0.60	<0.30	0.40	<0.30	NS
Escherichia Coliform ³	MPN/100 mL	3800	7	NS	150	750	23	430	NS
Fecal Coliform ³	MPN/100 mL	3800	7	NS	150	750	23	430	NS

Weather Conditions during monitoring: Winds NW at 25 km/hr with 32% cloud cover. Average air temperature during survey at 13°C.

- Notes:**
- 1) LIMS Reference No: 29624
 - 2) Calculated values
 - 3) Analysed by contract laboratory.
 - 4) There is no sample at Sturgeon Creek at the Perimeter due to construction.
 - 5) There is no sample at Truro Creek at Portage Ave. due to flooding in the area.

Report Compiled By: J. Jones
Compliance Reporting Technician

Approved in LIMS By: S. Fletcher
Supervisor of Analytical Services

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