

**City of Winnipeg
Water and Waste Department**

2011 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : May 18, 2011		Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59	SEINE RIVER @ PROVENCHER BLVD	STURGEON CREEK @ PERIMETER ⁴	STURGEON CREEK @ PORTAGE AVE	OMANDS CREEK @ PORTAGE AVE.	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE ⁵	TRURO CREEK @ PORTAGE AVE ⁵
Temperature	° C	16.0	16.0	NS	17.2	17.2	14.8	NS	NS
Dissolved Oxygen	mg/L	9.4	11.6	NS	9.4	8.8	10.7	NS	NS
Oxygen Saturation ²	%	96	119	NS	99	92	106	NS	NS
pH	units	8.41	8.34	NS	8.35	8.27	8.23	NS	NS
Total Solids	mg/L	384	484	NS	764	1140	472	NS	NS
Total Suspended Solids	mg/L	28	15	NS	23	5	26	NS	NS
Turbidity	n.t.u.	27.6	8.31	NS	17.8	4.21	19.8	NS	NS
Total Organic Carbon	mg/L	12	14	NS	15	13	15	NS	NS
Chlorophyll a	ug/L	4	27	NS	6	3	36	NS	NS
Ammonia Nitrogen	mg/L N	0.008	<0.003	NS	0.049	0.016	0.013	NS	NS
Nitrate Nitrogen	mg/L N	0.009	<0.003	NS	0.131	0.017	0.412	NS	NS
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	NS	NS
Total Nitrogen ²	mg/L N	<2.0	<2.0	NS	<2.0	<2.0	<2.0	NS	NS
Soluble Phosphorus	mg/L P	0.05	0.10	NS	0.18	0.14	0.29	NS	NS
Total Phosphorus	mg/L P	<0.30	<0.30	NS	<0.30	<0.30	0.40	NS	NS
Escherichia Coliform ³	MPN/100 mL	43	9	NS	46000	150	21	NS	NS
Fecal Coliform ³	MPN/100 mL	43	9	NS	46000	150	21	NS	NS

Weather Conditions during monitoring: Winds SE at 19 km/hr with no cloud cover. Average air temperature during survey at 19.6°C.

<p>Notes:</p> <ol style="list-style-type: none"> 1) LIMS Reference No: 29451 2) Calculated values 3) Analysed by contract laboratory. 4) There is no sample at Sturgeon Creek at the Perimeter due to construction. 5) There are no samples at Bunn's Creek at Bonner Ave. and Truro Creek at Portage Ave. due to flooding in the area. 	<p>Report Compiled By: <u>J. Jones</u> Compliance Reporting Technician</p> <p>Approved in LIMS By: <u>S. Fletcher</u> Supervisor of Analytical Services</p> <p>Date Approved: <u>30-May-11</u></p> <p>File No: 040-14-09-03-00</p>
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