

**City of Winnipeg
Water and Waste Department**

2011 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 13, 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. ⁵	LA SALLE RIVER @ HWY 75	BUNNS CREEK @ BONNER AVE	TRURO CREEK @ PORTAGE AVE ⁴
Temperature	° C	19.3	21.4	NS	20.6	NS	22.6	19.3	NS
Dissolved Oxygen	mg/L	8.7	4.5	NS	14.2	NS	7.3	5.1	NS
Oxygen Saturation ²	%	95	51	NS	159	NS	86	56	NS
pH	units	8.28	7.74	NS	8.98	NS	7.95	8.79	NS
Total Solids	mg/L	552	460	NS	288	NS	796	1270	NS
Total Suspended Solids	mg/L	135	11	NS	48	NS	62	41	NS
Turbidity	n.t.u.	108	6.54	NS	21.4	NS	20.2	10.5	NS
Total Organic Carbon	mg/L	25	22	NS	26	NS	22	20	NS
Chlorophyll a	ug/L	4	4	NS	68	NS	18	4	NS
Ammonia Nitrogen	mg/L N	0.014	0.078	NS	<0.003	NS	0.093	0.077	NS
Nitrate Nitrogen	mg/L N	0.118	0.087	NS	<0.003	NS	7.420	0.141	NS
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	NS	<2.0	NS	<2.0	<2.0	NS
Total Nitrogen ²	mg/L N	<2.0	<2.0	NS	<2.0	NS	8.4	<2.0	NS
Soluble Phosphorus	mg/L P	0.08	0.29	NS	<0.01	NS	0.28	0.44	NS
Total Phosphorus	mg/L P	<0.30	0.30	NS	<0.30	NS	0.30	0.60	NS
Escherichia Coliform ³	MPN/100 mL	43	93	NS	930	NS	230	150	NS
Fecal Coliform ³	MPN/100 mL	43	93	NS	930	NS	230	150	NS

Weather Conditions during monitoring: Winds S at 33 km/hr with 5% cloud cover. Average air temperature during survey at 21.8°C.

<p>Notes: 1) LIMS Reference No: 30128</p> <p>2) Calculated values. Oxygen saturation data was revised on May 15, 2012.</p> <p>3) Analysed by contract laboratory.</p> <p>4) There are no samples for Sturgenon Creek at the Perimeter and Truro Creek at Portage Ave. because the locations were not accessible.</p> <p>5) Data was revised on May 15, 2012 for the Omands Creek at Portage Ave sample location. The results were not representative due to low flow conditions.</p>	<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>15-May-12</u></p> <p>File No: 040-14-09-03-00</p>
--	--