

**City of Winnipeg  
Water and Waste Department**

**2013 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	November 6, 2013	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	1.3	1.5	2.7	1.4	NS	0.9	NS	NS
Dissolved Oxygen	mg/L	13.0	13.2	13.6	14.1	NS	17.1	NS	NS
Oxygen Saturation <sup>2</sup>	%	92	94	100	100	NS	120	NS	NS
pH	units	8.57	7.81	8.46	8.45	NS	9.24	NS	NS
Total Solids	mg/L	370	394	1530	1590	NS	948	NS	NS
Total Suspended Solids	mg/L	9	3	8	6	NS	20	NS	NS
Turbidity	n.t.u.	10.9	15.4	6.2	3.5	NS	13.8	NS	NS
Total Organic Carbon	mg/L	NA	NA	NA	NA	NS	NA	NS	NS
Chlorophyll a	ug/L	<1	<1	<1	<1	NS	105	NS	NS
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.015	0.016	NS	0.020	NS	NS
Nitrate Nitrogen	mg/L N	<0.003	0.007	0.011	0.380	NS	0.118	NS	NS
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	NS	<2.0	NS	NS
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	<2.0	<2.0	NS	<2.0	NS	NS
Soluble Phosphorus	mg/L P	0.06	0.20	0.03	0.02	NS	0.25	NS	NS
Total Phosphorus	mg/L P	<0.30	<0.30	<0.30	<0.30	NS	0.50	NS	NS
Escherichia Coliform <sup>3</sup>	MPN/100 mL	14	230	75	93	NS	15	NS	NS
Fecal Coliform <sup>3</sup>	MPN/100 mL	14	230	150	93	NS	15	NS	NS

Weather Conditions during monitoring: Winds S/SW at 11 km/hr with 30% cloud cover and no precipitation. Average air temperature during survey at 0°C

<p>Notes:</p> <ol style="list-style-type: none"> <li>1) LIMS Reference No: 37584</li> <li>2) Calculated values</li> <li>3) Analysed by contract laboratory.</li> <li>4) No sample for Bunns Creek at Bonner Avenue, Truro Creek at Portage Avenue, or Omands Creek at Portage Avenue due to no flow.</li> <li>5) Total Organic Carbon was not analysed due to sample hold time exceedence.</li> </ol>	<p>Report Compiled By: <u>H.Demchenko</u> Compliance Reporting Technician</p> <p>Approved in LIMS By: <u>S.Fletcher</u> Supervisor of Analytical Services</p> <p>Date Approved: <u>26-Nov-13</u></p> <p>File No: 040-14-09-03-00</p>
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