

**City of Winnipeg  
Water and Waste Department**

**2013 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	October 9, 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	11.5	11.1	11.3	11.0	No Flow	12.1	No Flow	No Flow
Dissolved Oxygen	mg/L	9.2	8.7	10.6	10.3	No Flow	10.1	No Flow	No Flow
Oxygen Saturation <sup>2</sup>	%	85	79	97	94	No Flow	94	No Flow	No Flow
pH	units	8.06	7.63	8.22	8.20	No Flow	8.39	No Flow	No Flow
Total Solids	mg/L	494	582	1590	1290	No Flow	892	No Flow	No Flow
Total Suspended Solids	mg/L	6	27	8	<4	No Flow	11	No Flow	No Flow
Turbidity	n.t.u.	18.4	28.7	6.5	4.0	No Flow	10.7	No Flow	No Flow
Total Organic Carbon	mg/L	17	17	7	5	No Flow	15	No Flow	No Flow
Chlorophyll a	ug/L	<1	<1	<1	<1	No Flow	<1	No Flow	No Flow
Ammonia Nitrogen	mg/L N	0.039	0.109	0.021	0.059	No Flow	0.028	No Flow	No Flow
Nitrate Nitrogen	mg/L N	0.004	0.017	0.006	0.277	No Flow	0.007	No Flow	No Flow
Total Kjeldahl Nitrogen	mg/L N	<2.0	<2.0	<2.0	<2.0	No Flow	<2.0	No Flow	No Flow
Total Nitrogen <sup>2</sup>	mg/L N	<2.0	<2.0	<2.0	<2.0	No Flow	<2.0	No Flow	No Flow
Soluble Phosphorus	mg/L P	0.14	0.35	<0.01	0.05	No Flow	0.45	No Flow	No Flow
Total Phosphorus	mg/L P	<0.30	0.40	<0.30	<0.30	No Flow	0.50	No Flow	No Flow
Escherichia Coliform <sup>3</sup>	MPN/100 mL	75	150	93	930	No Flow	23	No Flow	No Flow
Fecal Coliform <sup>3</sup>	MPN/100 mL	75	150	93	930	No Flow	23	No Flow	No Flow

Weather Conditions during monitoring: Winds W at 4 km/hr with 80% cloud cover and no precipitation. Average air temperature during survey at 14°C

<p>Notes: 1) LIMS Reference No: 37309          2) Calculated values          3) Analysed by contract laboratory.          4) No sample for Bunns Creek at Bonner Avenue, Truro Creek at Portage Avenue, or Omands Creek at Portage Avenue due to no flow.</p>	<p>Report Compiled By: <u>H.Demchenko</u>          Compliance Reporting Technician</p> <p>Approved in LIMS By: <u>G.Levesque</u>          Supervisor of Analytical Services</p> <p>Date Approved: <u>25-Oct-13</u></p> <p>File No: 040-14-09-03-00</p>
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