

**City of Winnipeg  
Water and Waste Department**

**2014 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> : June 11, 2014		Small Streams Sampling Locations							
Parameter	Unit	SEINE RIVER @ HWY 59 (S6)	SEINE RIVER @ PROVENCHER BLVD (S7)	STURGEON CREEK @ PERIMETER (S1)	STURGEON CREEK @ PORTAGE AVE (S2)	OMANDS CREEK @ PORTAGE AVE (S4)	LA SALLE RIVER @ HWY 75 (S5)	BUNNS CREEK @ BONNER AVE (S8)	TRURO CREEK @ PORTAGE AVE (S3)
Temperature	° C	18.3	19.2	15.5	18.6	17.1	20.2	17.2	16.6
Dissolved Oxygen	mg/L	8.1	6.6	7.6	7.4	8.4	8.6	4.2	5.8
Oxygen Saturation	%	86	71	76	79	87	95	43	60
Biochemical Oxygen Demand	mg/L	<3	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	<3	<3	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	8.03	7.93	7.76	8.04	8.16	8.13	7.90	7.90
Total Solids	mg/L	404	500	1170	1420	1090	496	998	662
Total Suspended Solids	mg/L	26	24	4	10	<3	7	<3	<3
Turbidity	n.t.u.	35.0	26.8	5.0	10.6	1.9	7.6	2.5	1.3
Total Organic Carbon	mg/L	23	22	13	14	18	15	19	18
Chlorophyll a	ug/L	4	4	1	1	1	2	3	<1
Ammonia Nitrogen	mg/L N	0.003	<0.003	0.013	0.058	0.022	<0.003	0.079	<0.003
Nitrate Nitrogen	mg/L N	0.029	0.117	0.015	0.076	0.038	<0.003	0.017	0.005
Total Kjeldahl Nitrogen	mg/L N	1.5	1.6	1.6	1.7	1.6	1.7	1.9	1.1
Total Nitrogen	mg/L N	1.5	1.7	1.6	1.8	1.6	1.7	1.9	1.1
Soluble Phosphorus	mg/L P	0.15	0.17	0.07	0.12	0.15	0.33	0.35	0.12
Total Phosphorus	mg/L P	0.30	0.30	<0.20	0.20	0.20	0.40	0.40	<0.20
Escherichia Coliform <sup>2</sup>	MPN/100 mL	120	93	43	93	75	93	230	430
Fecal Coliform <sup>2</sup>	MPN/100 mL	210	230	43	93	75	93	230	430

Weather Conditions during monitoring Winds NNW at 26 km/hr with 20% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 18°C

Notes: 1) LIMS Reference No: 39471  
 2) Analysed by contract laboratory.  
 3) No result because the initial DO and/or temperature were outside the BOD test limit.

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