

**City of Winnipeg  
Water and Waste Department**

**2014 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :	August 20, 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	22.6	21.8	18.9	21.0	21.1	23.8	20.5	20.2
Dissolved Oxygen	mg/L	7.6	6.1	7.8	3.6	4.2	9.7	3.7	4.7
Oxygen Saturation	%	88	69	84	39	48	115	41	51
Biochemical Oxygen Demand	mg/L	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>	5	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	8.34	8.01	7.79	7.63	7.70	8.43	7.82	7.61
Total Solids	mg/L	434	448	1350	1340	798	690	782	478
Total Suspended Solids	mg/L	48	46	4	8	<3	36	10	<3
Turbidity	n.t.u.	39.8	41.4	5.3	4.1	2.4	29.4	13.8	3.1
Total Organic Carbon	mg/L	24	23	17	16	18	29	28	12
Chlorophyll a	ug/L	4	20	3	8	1	32	46	3
Ammonia Nitrogen	mg/L N	<0.003	0.051	0.009	<0.003	0.007	<0.003	0.058	0.013
Nitrate Nitrogen	mg/L N	0.033	0.324	0.013	<0.003	0.027	0.006	0.199	0.129
Total Kjeldahl Nitrogen	mg/L N	<0.5	0.9	0.7	0.7	<0.5	1.4	1.7	<0.5
Total Nitrogen	mg/L N	0.3	1.2	0.7	0.7	0.3	1.4	1.9	0.4
Soluble Phosphorus	mg/L P	0.12	0.17	0.04	0.08	0.26	0.85	0.27	0.12
Total Phosphorus	mg/L P	0.30	0.40	<0.20	<0.20	0.40	1.10	0.40	0.20
Escherichia Coliform <sup>2</sup>	MPN/100 mL	380	43	43	430	43	23	930	93
Fecal Coliform <sup>2</sup>	MPN/100 mL	380	230	43	430	43	23	930	150

Weather Conditions during monitoring Winds SE at 23 km/hr with 50% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 27°C

Notes: 1) LIMS Reference No: 40199  
 2) Analysed by contract laboratory.  
 3) No result because the initial DO was below the BOD test limit

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Date Compiled: 17-Jan-19

File No: 040-14-09-03-00