

**City of Winnipeg  
Water and Waste Department**

**2017 SMALL STREAMS SURVEY MONITORING REPORT**

Survey Date <sup>1</sup> :		October 26, 2017							
		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	5.4	5.8	5.4	6.0	5.5	4.7	6.5	5.0
Dissolved Oxygen	mg/L	11.0	10.7	10.5	11.6	10.2	11.1	9.3	9.4
Oxygen Saturation	%	87	86	83	92	81	87	76	73
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>	nr <sup>3</sup>	nr <sup>3</sup>	nr <sup>3</sup>
pH	units	7.91	7.88	7.70	8.22	7.74	8.32	7.48	7.65
Total Solids	mg/L	294	318	1470	1260	712	1050	342	392
Total Suspended Solids	mg/L	21	90	5	21	10	45	23	13
Turbidity	n.t.u.	28.5	58.4	4.7	19.4	15.6	42.2	23.4	18.4
Total Organic Carbon	mg/L	13	15	5	7	9	15	11	9
Chlorophyll a	ug/L	5	18	2	45	2	27	19	11
Ammonia Nitrogen	mg/L N	0.021	0.069	0.091	0.089	0.149	0.032	0.487	0.097
Nitrate Nitrogen	mg/L N	0.006	0.070	0.020	0.155	0.142	0.040	0.411	0.312
Total Nitrogen	mg/L N	0.5	0.8	0.3	0.8	0.7	1.0	1.6	1.0
Soluble Phosphorus	mg/L P	0.11	0.17	0.08	0.06	0.15	0.34	0.20	0.11
Total Phosphorus	mg/L P	0.05	0.14	<0.004	0.08	0.04	0.43	0.24	0.11
Escherichia Coliform <sup>2</sup>	MPN/100 mL	10	1720	20	600	180	70	24200	2480
Fecal Coliform <sup>2</sup>	MPN/100 mL	60	1870	<10	410	200	170	19900	1660

Weather Conditions during monitoring Winds N at 30 km/hr with 100% cloud cover and 12.8 mm of precipitation. Average air temperature during survey at <0.1°C

- Notes: 1) LIMS Reference No: 51113  
 2) Analysed by contract laboratory.  
 3) No result because the initial temperature was outside the BOD test limit.

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