

**City of Winnipeg
Water and Waste Department**

2017 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	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) ⁴	TRURO CREEK @ PORTAGE AVE (S3) ⁴
Temperature	° C	15.7	17.3	13.2	16.2	14.7	17.1	ns	ns
Dissolved Oxygen	mg/L	6.2	6.5	7.0	4.4	6.2	6.9	ns	ns
Oxygen Saturation	%	62	68	66	45	61	72	ns	ns
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	ns	ns
pH	units	7.56	7.61	7.35	7.80	7.54	8.04	ns	ns
Total Solids	mg/L	410	550	1630	1550	752	1010	ns	ns
Total Suspended Solids	mg/L	32	61	5	<3	5	53	ns	ns
Turbidity	n.t.u.	32.5	52.8	3.6	1.7	3.9	46.8	ns	ns
Total Organic Carbon	mg/L	34	30	28	26	23	32	ns	ns
Chlorophyll a	ug/L	37	20	1	2	2	34	ns	ns
Ammonia Nitrogen	mg/L N	<0.003	0.036	<0.003	0.114	0.028	0.005	ns	ns
Nitrate Nitrogen	mg/L N	<0.003	<0.003	0.005	0.090	0.010	<0.003	ns	ns
Total Nitrogen	mg/L N	0.8	1.0	0.6	1.0	0.7	1.2	ns	ns
Soluble Phosphorus	mg/L P	0.08	0.08	0.03	0.17	0.27	0.37	ns	ns
Total Phosphorus	mg/L P	0.13	0.11	0.06	0.16	0.29	0.43	ns	ns
Escherichia Coliform ²	MPN/100 mL	866	178	133	80	116	35	ns	ns
Fecal Coliform ²	MPN/100 mL	613	1050	122	61	69	42	ns	ns

Weather Conditions during monitoring Winds NNE at 5 km/hr with 100% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 12°C

- Notes:
- 1) LIMS Reference No: 50731
 - 2) Analysed by contract laboratory.
 - 3) No result because the initial DO and/or temperature were outside the BOD test limits
 - 4) No sample due to no flow

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