

**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) ³	TRURO CREEK @ PORTAGE AVE (S3) ⁴
Temperature	° C	17.0	19.4	14.3	18.3	16.3	19.2	ns	ns
Dissolved Oxygen	mg/L	6.2	6.6	7.6	5.0	5.4	7.5	ns	ns
Oxygen Saturation	%	75	71	74	53	55	81	ns	ns
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	ns	ns
pH	units	7.79	7.70	7.34	7.85	7.52	8.14	ns	ns
Total Solids	mg/L	378	448	1550	1260	994	982	ns	ns
Total Suspended Solids	mg/L	32	50	3	<3	5	45	ns	ns
Turbidity	n.t.u.	37.3	43.4	2.9	1.4	4.5	37.5	ns	ns
Total Organic Carbon	mg/L	16	16	9	9	16	17	ns	ns
Chlorophyll a	ug/L	11	9	3	1	3	30	ns	ns
Ammonia Nitrogen	mg/L N	0.032	<0.003	<0.003	0.074	0.079	<0.003	ns	ns
Nitrate Nitrogen	mg/L N	0.020	<0.003	<0.003	0.070	0.020	<0.003	ns	ns
Total Nitrogen	mg/L N	1.0	1.0	0.8	0.8	1.1	1.4	ns	ns
Soluble Phosphorus	mg/L P	0.10	0.09	0.05	0.14	0.28	0.27	ns	ns
Total Phosphorus	mg/L P	0.11	0.18	0.04	0.17	0.38	0.42	ns	ns
Escherichia Coliform ²	MPN/100 mL	980	73	83	40	34	19	ns	ns
Fecal Coliform ²	MPN/100 mL	770	64	69	25	25	20	ns	ns

Weather Conditions during monitoring Winds South at 10 km/hr with 5% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 19°C

- Notes:
- 1) LIMS Reference No: 50608
 - 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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