

**City of Winnipeg
Water and Waste Department**

2018 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: June 28, 2018		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)
Sample Number		4312	4313	4309	4311	4307	4306	4305	4314
Temperature	° C	19.6	22.6	22.3	22.1	19.0	24.7	21.0	20.2
Dissolved Oxygen	mg/L	7.21	6.84	7.11	6.11	5.26	7.11	2.41	4.43
Oxygen Saturation	%	82.9	78.4	77.6	70.6	58.7	85.9	26.6	48.6
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	<4	<4
pH	units	7.99	8.07	8.00	7.95	7.55	8.16	8.31	7.49
Total Solids	mg/L	360	410	1190	706	240	640	690	292
Total Suspended Solids	mg/L	143	74	<3	3	5	29	9	<3
Turbidity	n.t.u.	109.5	66.0	1.63	3.32	8.35	30.8	5.34	1.21
Total Organic Carbon	mg/L	20.3	19.2	11.5	10.8	8.6	11.8	13.2	10.0
Chlorophyll a	ug/L	<1.0	2.7	2.4	10.2	1.9	15.1	13.0	1.7
Ammonia Nitrogen	mg/L N	0.059	0.090	0.148	0.244	0.108	<0.003	0.327	0.140
Nitrate Nitrogen	mg/L N	0.126	0.132	0.007	0.087	0.235	<0.003	0.021	<0.003
Total Nitrogen	mg/L N	0.7	0.7	0.4	0.5	0.3	0.6	0.8	nr ¹
Soluble Phosphorus	mg/L P	0.066	0.085	0.140	0.123	0.083	0.416	0.274	0.092
Total Phosphorus	mg/L P	0.2090	0.1977	0.2658	0.2071	0.1200	0.6225	0.4085	0.1082
Escherichia Coliform	MPN/100 mL	110	510	110	830	460	80	1180	60
Fecal Coliform	MPN/100 mL	160	860	100	640	470	90	1310	200

Weather Conditions during monitoring Winds S at 4.3 km/hr with 5% cloud cover and 0 mm of precipitation. Average air temperature during survey at 25°C

Notes:

- 1) TN had no result for Truro Creek due to sample contamination.

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