

**City of Winnipeg
Water and Waste Department**

2018 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: September 20, 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		142326	142327	142324	142325	142323	142322	142321	142328
Temperature	° C	11.5	13.1	11.9	13.4	12.2	13.3	10.6	11.9
Dissolved Oxygen	mg/L	8.05	12.5	6.39	9.11	3.25	10.0	6.94	6.94
Oxygen Saturation	%	73.9	119	58.1	86.8	30.2	95.5	62.6	63.9
Biochemical Oxygen Demand	mg/L	<4	6	<4	<4	<4	5	<4	<4
pH	units	8.04	8.82	7.65	8.09	7.31	8.58	8.11	7.62
Total Solids	mg/L	360	554	1320	1160	528	842	612	322
Total Suspended Solids	mg/L	14	43	4	8	3	29	27	38
Turbidity	n.t.u.	28.6	42.2	2.86	3.57	2.53	22.7	23.6	14.9
Total Organic Carbon	mg/L	13.7	12.3	9.9	5.5	8.5	11.8	8.5	9.2
Chlorophyll a	ug/L	4.0	89.0	1.5	13.7	3.8	33.4	31.5	19.1
Ammonia Nitrogen	mg/L N	0.017	<0.003	0.093	0.066	0.201	<0.003	0.189	0.024
Nitrate Nitrogen	mg/L N	0.005	0.003	0.011	0.236	0.108	<0.003	0.271	0.019
Total Nitrogen	mg/L N	0.7	1.1	0.7	0.7	0.9	0.8	1.5	0.7
Soluble Phosphorus	mg/L P	0.098	0.081	0.099	nr ¹	0.254	0.553	0.070	0.090
Total Phosphorus	mg/L P	0.1158	0.2998	0.0951	0.1052	0.2170	0.5932	0.1536	0.2182
Escherichia Coliform	MPN/100 mL	80	110	120	90	30	20	930	80
Fecal Coliform	MPN/100 mL	60	160	200	50	10	20	1120	150

Weather Conditions during monitoring: Winds NE at 3.7 km/hr with 100% cloud cover and 0 mm of precipitation. Average air temperature during survey at 11°C

Notes: 1) No result due to lab error.

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