

**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)	TRURO CREEK @ PORTAGE AVE (S3)
Temperature	° C	19.9	nr ⁴	17.9	20.0	19.1	21.3	nr ⁴	16.9
Dissolved Oxygen	mg/L	8.1	7.2	8.4	8.8	4.9	8.0	3.0	5.3
Oxygen Saturation	%	88	78	88	96	53	91	32	54
Biochemical Oxygen Demand	mg/L	<3	nr ³	<3	<3	nr ³	nr ³	nr ³	nr ³
pH	units	8.02	7.96	7.81	8.24	7.81	8.30	7.86	7.44
Total Solids	mg/L	538	510	1420	1320	1090	982	1010	546
Total Suspended Solids	mg/L	119	79	3	3	3	43	6	101
Turbidity	n.t.u.	124.0	64.0	2.9	2.5	2.2	32.3	7.8	50.8
Total Organic Carbon	mg/L	14	14	10	8	13	14	13	5
Chlorophyll a	ug/L	2	7	2	<1	3	11	5	2
Ammonia Nitrogen	mg/L N	0.023	0.037	<0.003	0.026	0.108	0.023	0.376	0.091
Nitrate Nitrogen	mg/L N	0.090	0.139	0.004	0.060	0.020	<0.003	0.030	0.030
Total Nitrogen	mg/L N	1.0	1.2	0.9	1.0	1.2	1.4	1.8	0.6
Soluble Phosphorus	mg/L P	0.08	0.11	0.07	0.17	0.39	0.28	0.45	0.38
Total Phosphorus	mg/L P	0.19	0.19	0.10	0.20	0.47	0.31	0.57	0.61
Escherichia Coliform ²	MPN/100 mL	144	249	99	53	3	39	411	62
Fecal Coliform ²	MPN/100 mL	150	261	102	88	4	48	649	16

Weather Conditions during monitoring: Winds West at 3 km/hr with 5% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 20°C

Notes: 1) LIMS Reference No: 50199
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.
 4) No result due to instrument error

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