

**City of Winnipeg
Water and Waste Department**

2017 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	June 8, 2017	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	20.9	20.5	17.9	20.9	19.5	22.6	18.6	19.1
Dissolved Oxygen	mg/L	7.7	7.1	7.5	7.1	6.7	8.6	3.0	4.2
Oxygen Saturation	%	87	79	79	79	73	100	32	46
Biochemical Oxygen Demand	mg/L	nr ⁴	nr ³	nr ³	nr ³	nr ³	nr ⁴	nr ³	nr ³
pH	units	8.29	8.24	7.91	8.30	8.42	8.48	8.44	8.01
Total Solids	mg/L	460	432	1380	1330	1460	828	1330	982
Total Suspended Solids	mg/L	111	80	4	3	3	14	12	<3
Turbidity	n.t.u.	92.0	71.0	6.7	4.4	4.5	18.9	7.5	4.0
Total Organic Carbon	mg/L	16	16	8	12	18	18	21	16
Chlorophyll a	ug/L	3	13	4	2	<1	12	16	9
Ammonia Nitrogen	mg/L N	0.058	0.038	0.008	0.112	0.052	0.192	0.010	0.060
Nitrate Nitrogen	mg/L N	0.050	0.050	<0.003	0.070	0.010	<0.003	0.020	0.010
Total Nitrogen	mg/L N	0.7	0.8	0.6	1.2	0.8	1.2	1.7	0.9
Soluble Phosphorus	mg/L P	0.07	0.08	0.04	0.15	0.27	0.14	0.57	0.57
Total Phosphorus	mg/L P	0.22	0.22	0.09	0.22	0.38	0.23	0.86	0.77
Escherichia Coliform ²	MPN/100 mL	102	222	140	29	1050	19	461	67
Fecal Coliform ²	MPN/100 mL	80	249	162	24	1410	23	345	64

Weather Conditions during monitoring Winds East at 5 km/hr with 10% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 23°C

- Notes: 1) LIMS Reference No: 49755
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.
 4) No result due to QC Failure

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