

**City of Winnipeg
Water and Waste Department**

2017 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	August 3, 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	18.7	18.7	16.1	19.7	18.2	21.0	17.0	17.4
Dissolved Oxygen	mg/L	7.6	7.3	6.3	9.0	4.2	7.2	3.1	4.4
Oxygen Saturation	%	81	78	64	98	45	81	32	46
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	3	nr ³	nr ³	nr ³	nr ³
pH	units	7.92	7.91	7.46	8.24	7.40	8.21	7.36	7.41
Total Solids	mg/L	454	440	1320	1140	736	994	720	600
Total Suspended Solids	mg/L	94	55	22	8	4	47	14	4
Turbidity	n.t.u.	104.0	45.3	10.3	4.7	4.0	36.5	12.4	3.3
Total Organic Carbon	mg/L	19	19	11	12	13	19	15	14
Chlorophyll a	ug/L	3	9	13	53	2	18	5	3
Ammonia Nitrogen	mg/L N	0.029	<0.003	0.014	<0.003	0.005	<0.003	1.210	0.046
Nitrate Nitrogen	mg/L N	0.136	<0.003	<0.003	0.040	<0.003	<0.003	0.040	0.040
Total Nitrogen	mg/L N	1.1	0.9	0.7	0.9	0.7	1.1	2.3	0.9
Soluble Phosphorus	mg/L P	0.08	0.12	0.11	0.13	0.25	0.29	0.48	0.38
Total Phosphorus	mg/L P	0.21	0.22	0.20	0.22	0.31	0.42	0.53	0.48
Escherichia Coliform ²	MPN/100 mL	82	102	88	111	225	8	276	129
Fecal Coliform ²	MPN/100 mL	154	101	96	96	236	16	517	138

Weather Conditions during monitoring Winds North at 5 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: 50342
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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