

**City of Winnipeg
Water and Waste Department**

2017 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	July 6, 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	21.8	22.4	17.8	21.9	20.4	24.5	20.5	19.2
Dissolved Oxygen	mg/L	7.5	6.9	6.1	7.6	5.4	8.9	2.8	4.6
Oxygen Saturation	%	85	79	64	86	59	106	31	50
Biochemical Oxygen Demand	mg/L	nr ³	nr ³	nr ³	nr ³	nr ³	<3	nr ³	nr ³
pH	units	8.05	7.99	7.46	8.22	7.92	8.37	7.98	7.65
Total Solids	mg/L	514	446	1390	1360	922	862	972	674
Total Suspended Solids	mg/L	126	61	4	3	3	16	5	11
Turbidity	n.t.u.	105.0	66.0	3.5	2.8	3.8	15.2	6.5	3.9
Total Organic Carbon	mg/L	13	12	8	9	12	15	14	10
Chlorophyll a	ug/L	11	5	1	3	<1	11	22	6
Ammonia Nitrogen	mg/L N	0.007	0.019	<0.003	0.009	0.030	<0.003	0.312	0.018
Nitrate Nitrogen	mg/L N	0.004	0.122	<0.003	0.030	0.040	<0.003	0.006	0.030
Total Nitrogen	mg/L N	0.6	0.8	0.4	0.6	0.7	0.8	1.2	1.4
Soluble Phosphorus	mg/L P	0.05	0.08	0.03	0.14	0.22	0.17	0.52	0.27
Total Phosphorus	mg/L P	0.23	0.22	0.10	0.23	0.31	0.28	0.71	0.45
Escherichia Coliform ²	MPN/100 mL	167	435	153	49	119	84	1990	461
Fecal Coliform ²	MPN/100 mL	236	435	179	37	116	102	1730	186

Weather Conditions during monitoring Winds NW at 19 km/hr with 2% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 20°C

Notes: 1) LIMS Reference No: 50057
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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