

**City of Winnipeg
Water and Waste Department**

2017 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ : June 22, 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	16.9	16.0	13.8	15.7	14.9	18.5	16.5	14.4
Dissolved Oxygen	mg/L	8.3	7.7	7.1	8.0	7.1	7.6	7.4	6.6
Oxygen Saturation	%	86	77	69	80	70	81	76	65
Biochemical Oxygen Demand	mg/L	<3	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³	nr ³
pH	units	8.30	7.79	7.72	7.77	7.49	8.37	8.43	7.61
Total Solids	mg/L	478	464	1430	780	334	770	1030	308
Total Suspended Solids	mg/L	124	74	4	10	19	26	8	<3
Turbidity	n.t.u.	108.0	68.8	4.7	14.8	32.1	24.9	7.5	4.1
Total Organic Carbon	mg/L	16	13	9	8	7	18	14	9
Chlorophyll a	ug/L	7	13	3	3	1	15	13	3
Ammonia Nitrogen	mg/L N	<0.003	0.021	0.010	<0.003	0.059	<0.003	0.009	<0.003
Nitrate Nitrogen	mg/L N	0.134	0.543	0.009	0.203	0.315	<0.003	0.020	0.140
Total Nitrogen	mg/L N	0.9	1.2	0.5	0.5	0.8	1.0	0.9	0.7
Soluble Phosphorus	mg/L P	0.08	0.09	0.04	0.11	0.06	0.21	0.12	0.10
Total Phosphorus	mg/L P	0.25	0.26	0.08	0.15	0.17	0.34	0.24	0.17
Escherichia Coliform ²	MPN/100 mL	142	1990	113	>2420	1550	43	1120	1550
Fecal Coliform ²	MPN/100 mL	179	1990	138	>2420	1410	54	1410	980

Weather Conditions during monitoring Winds W/SW at 4 km/hr with 30% cloud cover and 14.2 mm of precipitation. Average air temperature during survey at 18°C

- Notes: 1) LIMS Reference No: 49911
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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