

**City of Winnipeg
Water and Waste Department**

2017 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	May 11, 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	12.1	13.7	10.6	11.6	11.2	14.1	10.3	9.3
Dissolved Oxygen	mg/L	9.8	10.0	9.0	11.1	10.4	8.7	5.8	7.8
Oxygen Saturation	%	91	96	81	102	95	85	52	68
Biochemical Oxygen Demand	mg/L	<3	<3	<3	4	<3	<3	nr ³	<3
pH	units	8.29	8.29	7.85	8.26	8.30	8.19	8.04	7.93
Total Solids	mg/L	374	440	962	1040	1230	620	1150	1040
Total Suspended Solids	mg/L	28	25	17	22	6	28	10	16
Turbidity	n.t.u.	25.2	26.0	15.7	17.5	6.0	25.4	6.5	6.8
Total Organic Carbon	mg/L	13	13	12	12	14	14	13	12
Chlorophyll a	ug/L	4	10	10	40	3	9	13	29
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Nitrate Nitrogen	mg/L N	<0.003	<0.003	0.040	0.050	0.030	<0.003	0.010	0.008
Total Nitrogen	mg/L N	0.8	0.9	1.3	1.5	1.3	1.4	1.3	0.9
Soluble Phosphorus	mg/L P	0.03	0.04	0.28	0.20	0.21	0.17	0.10	0.10
Total Phosphorus	mg/L P	0.13	0.15	0.44	0.39	0.35	0.33	0.24	0.25
Escherichia Coliform ²	MPN/100 mL	24	61	13	58	276	12	99	35
Fecal Coliform ²	MPN/100 mL	35	38	15	40	173	11	108	19

Weather Conditions during monitoring Winds WEST at 5 km/hr with 60% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 8°C

Notes: 1) LIMS Reference No: 49470
 2) Analysed by contract laboratory.
 3) No result because the initial DO was below the BOD test limit.

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