

**City of Winnipeg
Water and Waste Department**

2018 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	May 8, 2018	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	15.1	15.9	12.9	16.0	13.7	12.7	13.8	14.0
Dissolved Oxygen	mg/L	8.8	8.3	8.5	10.4	10.0	12.6	12.1	12.7
Oxygen Saturation	%	88	84	80	105	97	119	117	45
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	4	9	<3
pH	units	8.19	8.11	7.84	8.42	8.33	8.54	8.91	7.74
Total Solids	mg/L	270	286	968	750	836	228	882	730
Total Suspended Solids	mg/L	26	42	10	10	4	14	12	3
Turbidity	n.t.u.	29.9	35.5	9.3	10.7	5.4	10.4	8.5	6.3
Total Organic Carbon	mg/L	16	24	29	26	26	26	26	33
Chlorophyll a	ug/L	nr ³	13	18	17	14	54	55	3
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	<0.003	0.021	<0.003	<0.003
Nitrate Nitrogen	mg/L N	<0.003	0.007	0.010	0.006	<0.003	<0.003	<0.003	0.009
Total Nitrogen	mg/L N	0.7	0.5	0.8	1.0	0.8	0.4	1.0	0.7
Soluble Phosphorus	mg/L P	0.03	0.05	0.16	0.20	0.05	0.15	0.11	0.13
Total Phosphorus	mg/L P	0.28	0.13	0.29	0.32	0.15	0.14	0.27	0.39
Escherichia Coliform ²	MPN/100 mL	40	230	10	40	60	<10	200	10
Fecal Coliform ²	MPN/100 mL	30	190	10	20	250	10	190	<10

Weather Conditions during monitoring Winds East at 8 km/hr with 50% cloud cover and <0.1 mm of precipitation. Average air temperature during survey at 16°C

- Notes: 1) LIMS Reference No: 52682
 2) Analysed by contract laboratory.
 3) Chlorophyll nr due to sample leak

Report Compiled By: H.Demchenko
 Compliance Reporting Technician

Approved in LIMS By: C.Diduck
 Analytical Services Branch Head

Date Compiled: 22-Jan-19

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