

**City of Winnipeg
Water and Waste Department**

2018 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date ¹ :	June 14, 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	19.7	18.9	15.1	17.9	17.6	22.3	18.8	16.7
Dissolved Oxygen	mg/L	8.0	7.6	7.2	8.0	6.3	8.4	7.2	4.4
Oxygen Saturation	%	87	82	72	84	66	96	77	46
Biochemical Oxygen Demand	mg/L	<3	<3	<3	>8	5	4	>8	<3
pH	units	8.12	8.13	7.61	8.15	8.09	8.21	8.94	7.53
Total Solids	mg/L	410	386	1460	1180	988	498	1140	550
Total Suspended Solids	mg/L	111	79	7	29	78	20	176	<3
Turbidity	n.t.u.	84.0	69.0	4.4	13.3	15.7	16.7	60.4	2.0
Total Organic Carbon	mg/L	16	16	8	13	15	10	14	13
Chlorophyll a	ug/L	6	5	4	76	55	29	52	5
Ammonia Nitrogen	mg/L N	0.042	0.034	0.051	0.013	0.048	0.010	0.119	0.047
Nitrate Nitrogen	mg/L N	0.100	0.114	<0.003	<0.003	0.030	<0.003	0.047	<0.003
Total Nitrogen	mg/L N	0.9	0.9	0.6	1.0	1.0	0.9	1.2	0.8
Soluble Phosphorus	mg/L P	0.06	0.09	0.03	0.20	0.13	0.49	0.20	0.08
Total Phosphorus	mg/L P	0.18	0.20	0.09	0.51	0.30	0.63	0.87	0.14
Escherichia Coliform ²	MPN/100 mL	160	420	70	360	110	640	200	280
Fecal Coliform ²	MPN/100 mL	90	610	30	460	90	470	210	270
Weather Conditions during monitoring		Winds NW at 11 km/hr with 95% cloud cover and 42.3 mm of precipitation. Average air temperature during survey at 22.1°C							

Notes: 1) LIMS Reference No: 53019
2) Analysed by contract laboratory.

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Date Compiled: 22-Jan-19

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