

**City of Winnipeg
Water and Waste Department**

2018 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date:	November 1, 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)
Sample Number		153347	153348	153345	153346	153344	153345	153342	153349
Temperature	° C	4.3	4.6	4.6	5.5	4.7	3.4	5.5	4.5
Dissolved Oxygen	mg/L	11.8	11.1	9.57	9.64	9.75	12.0	9.91	7.63
Oxygen Saturation	%	90.2	85.4	76.2	77.3	75.2	90.2	78.8	60.6
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	5	<4
pH	units	8.02	8.20	7.56	7.74	7.79	8.39	8.43	8.20
Total Solids	mg/L	322	462	1390	884	774	1130	878	406
Total Suspended Solids	mg/L	14	32	6	11	19	8	13	7
Turbidity	n.t.u.	19.3	28.9	5.08	10.5	16.6	6.29	8.44	6.61
Total Organic Carbon	mg/L	14.0	12.3	9.0	7.6	7.7	13.5	10.8	8.6
Chlorophyll a	ug/L	1.8	7.1	2.7	26.3	1.8	5.8	34.3	<1.0
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.041	0.040	0.005	0.009	0.087	0.109
Nitrate Nitrogen	mg/L N	0.250	<0.003	0.086	0.085	0.082	0.043	0.062	0.141
Total Nitrogen	mg/L N	0.7	1.0	0.6	0.9	0.7	1.2	1.2	0.5
Soluble Phosphorus	mg/L P	0.070	0.066	0.033	0.085	0.053	0.481	0.016	0.066
Total Phosphorus	mg/L P	0.0666	0.1106	0.0301	0.1029	0.0683	0.5664	0.1028	0.0468
Escherichia Coliform	MPN/100 mL	40	160	<10	120	20	20	210	40
Fecal Coliform	MPN/100 mL	40	110	10	90	<10	<10	110	40
Weather Conditions during monitoring		Winds S at 5.1 km/hr with 100% cloud cover and 0 mm of precipitation. Average air temperature during survey at 0°C							

Notes:

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