

**City of Winnipeg
Water and Waste Department**

2018 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date:		Small Streams Sampling Locations							
Parameter	Unit	Small Streams Sampling Locations							
		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) ¹	TRURO CREEK @ PORTAGE AVE (S3)
Sample Number		8917	8918	8915	8916	8914	8913	8912	8919
Temperature	° C	23.5	23.4	21.5	22.9	22.3	26.4	ns	21.6
Dissolved Oxygen	mg/L	7.11	6.21	4.68	8.81	3.91	9.59	ns	4.49
Oxygen Saturation	%	83.7	73.0	52.2	102	45.2	119	ns	50.9
Biochemical Oxygen Demand	mg/L	<4	<4	<4	4	<4	6	ns	<4
pH	units	8.15	7.98	7.92	8.46	8.07	8.75	ns	7.49
Total Solids	mg/L	506	512	1250	1140	798	722	ns	434
Total Suspended Solids	mg/L	42	122	<3	7	<3	55	ns	4
Turbidity	n.t.u.	108.0	102.9	2.40	5.47	4.24	48.6	ns	2.63
Total Organic Carbon	mg/L	29.1	33.2	26.6	22.6	21.7	18.8	ns	20.8
Chlorophyll a	ug/L	2.7	4.0	1.6	26.2	2.1	81.8	ns	3.7
Ammonia Nitrogen	mg/L N	0.075	0.077	0.045	<0.003	0.074	<0.003	ns	0.046
Nitrate Nitrogen	mg/L N	0.123	0.156	0.011	0.099	0.091	<0.003	ns	0.023
Total Nitrogen	mg/L N	0.6	0.7	0.5	0.7	0.5	1.1	ns	<0.2
Soluble Phosphorus	mg/L P	0.126	0.130	0.132	0.035	0.236	0.489	ns	0.250
Total Phosphorus	mg/L P	0.2370	0.2685	0.2382	0.1269	0.2910	0.8165	ns	0.3207
Escherichia Coliform	MPN/100 mL	230	410	80	240	540	20	ns	910
Fecal Coliform	MPN/100 mL	110	730	150	610	690	50	ns	750
Weather Conditions during monitoring		Winds SE at 13.6 km/hr with 95% cloud cover and 2.3 mm of precipitation. Average air temperature during survey at 22°C							

Notes:
1) No Bunn's Creek sample due to low flow.

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Date Compiled: 9-May-19

File: N:\Environmental Standards\Analytical Services\WQ Data\Rivers & Small Streams\Streams