

**City of Winnipeg
Water and Waste Department**

2018 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date:	July 26, 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		14063	14064	14061	14062	14060	14059	14058	14065
Temperature	° C	18.9	17.9	15.7	18.8	18.1	20.1	17.3	17.7
Dissolved Oxygen	mg/L	8.19	6.62	6.70	8.22	2.57	6.88	3.94	5.62
Oxygen Saturation	%	87.6	69.7	66.9	88.3	27.1	75.5	41.1	58.9
Biochemical Oxygen Demand	mg/L	<4	<4	4	>8	<4	<4	4	<4
pH	units	8.23	7.93	7.65	8.22	7.29	8.28	7.51	7.56
Total Solids	mg/L	426	466	1460	910	306	722	672	390
Total Suspended Solids	mg/L	75	61	7	6	4	60	22	33
Turbidity	n.t.u.	57.6	40.4	3.11	3.55	3.71	49.6	16.8	2.97
Total Organic Carbon	mg/L	24.0	23.0	14.2	16.8	12.9	15.7	18.1	15.7
Chlorophyll a	ug/L	6.7	8.0	2.2	15.6	2.7	22.4	31.7	22.0
Ammonia Nitrogen	mg/L N	<0.003	0.030	0.018	0.041	0.063	0.072	0.237	<0.003
Nitrate Nitrogen	mg/L N	0.110	0.517	0.011	0.032	0.014	0.012	0.075	0.013
Total Nitrogen	mg/L N	1.1	1.7	0.5	0.9	0.6	1.1	1.7	0.7
Soluble Phosphorus	mg/L P	0.100	0.185	0.023	nr ¹	0.197	0.534	0.066	0.138
Total Phosphorus	mg/L P	0.1908	0.2954	0.0455	0.1685	0.2557	0.7233	0.1867	0.2120
Escherichia Coliform	MPN/100 mL	70	640	200	110	430	<10	1470	160
Fecal Coliform	MPN/100 mL	200	1160	180	280	310	10	1220	340

Weather Conditions during monitoring Winds N at 5.6 km/hr with 90% cloud cover and 4.9 mm of precipitation. Average air temperature during survey at 18.6°C

Notes:
1) No result due to lab error.

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Date Compiled: 6-Jun-19

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