

**City of Winnipeg
Water and Waste Department**

2018 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date: August 9, 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		17922	17923	17920	17921	17919	17918	17917	19724
Temperature	° C	21.7	23.1	18.4	22.1	20.6	23.3	20.8	19.5
Dissolved Oxygen	mg/L	6.67	6.78	5.67	5.65	2.41	6.74	2.36	5.38
Oxygen Saturation	%	75.7	79.3	60.5	64.6	26.8	78.9	26.4	58.3
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	>7	<4
pH	units	8.21	8.24	7.55	8.14	7.25	8.55	7.46	7.55
Total Solids	mg/L	340	418	1480	902	656	764	646	498
Total Suspended Solids	mg/L	31	65	<3	<3	<3	35	22	6
Turbidity	n.t.u.	36.3	57.8	3.64	2.51	2.29	33.0	23.7	2.96
Total Organic Carbon	mg/L	15.8	15.4	6.8	8.6	14.0	14.8	19.2	10.9
Chlorophyll a	ug/L	38.7	22.0	5.3	7.1	7.1	19.1	69.4	24.9
Ammonia Nitrogen	mg/L N	0.014	0.008	0.073	0.062	0.042	0.008	0.363	0.053
Nitrate Nitrogen	mg/L N	0.008	0.006	0.015	0.058	0.018	<0.003	0.026	0.058
Total Nitrogen	mg/L N	0.9	1.0	0.6	0.7	0.9	1.2	2.5	0.7
Soluble Phosphorus	mg/L P	0.092	0.129	0.051	0.179	0.189	0.500	0.250	0.171
Total Phosphorus	mg/L P	0.1327	0.2192	0.0512	0.2074	0.2497	0.6191	0.5163	0.2449
Escherichia Coliform	MPN/100 mL	10	190	170	70	30	10	1110	30
Fecal Coliform	MPN/100 mL	30	220	90	50	50	10	1500	550

Weather Conditions during monitoring Winds W at 2.5 km/hr with 0% cloud cover and 0 mm of precipitation. Average air temperature during survey at 26°C

Notes: Compiled By: H.Demchenko
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