City of Winnipeg
Water and Waste Department

2018 SMALL STREAMS SURVEY MONITORING REPORT

Survey Date:	August 23, 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)[1]	TRURO CREEK @ PORTAGE AVE (S3)[1]
Sample Number		132203	132204	132201	132202	132200	132199	132198	132205
Temperature	° C	19.1	19.5	19.2	16.3	18.5	22.2	ns	ns
Dissolved Oxygen	mg/L	7.02	7.13	7.46	6.40	3.45	8.93	ns	ns
Oxygen Saturation	%	75.4	77.2	76.7	68.9	36.7	100	ns	ns
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	ns	ns
pH	units	8.22	8.36	7.68	7.27	7.27	8.73	ns	ns
Total Solids	mg/L	412	460	1640	1410	758	888	ns	ns
Total Suspended Solids	mg/L	34	34	3	<3	5	20	ns	ns
Turbidity	n.t.u.	46.8	34.8	2.67	3.06	3.41	19.2	ns	ns
Total Organic Carbon[2]	mg/L	nr	nr	nr	nr	nr	nr	ns	ns
Chlorophyll a	ug/L	12.0	17.4	<1.0	7.6	31.0	24.5	ns	ns
Ammonia Nitrogen	mg/L N	0.059	0.009	0.064	0.058	0.010	0.011	ns	ns
Nitrate Nitrogen	mg/L N	0.025	0.005	0.014	0.051	0.004	<0.003	ns	ns
Total Nitrogen	mg/L N	0.6	0.8	0.3	0.4	0.7	0.9	ns	ns
Soluble Phosphorus	mg/L P	0.071	0.129	0.020	0.088	0.321	0.331	ns	ns
Total Phosphorus	mg/L P	0.1067	0.1806	0.0451	0.1465	0.4351	0.3818	ns	ns
Escherichia Coliform	MPN/100 mL	100	380	440	40	50	10	ns	ns
Fecal Coliform	MPN/100 mL	160	300	550	50	10	10	ns	ns

Weather Conditions during monitoring: Winds NE at 1.9 km/hr with 15% cloud cover and 0 mm of precipitation. Average air temperature during survey at 21°C

Notes:

1) No Bunn's Creek or Truro Creek sample due to low flow.
2) No TOC result due to instrument error.

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