



City of Winnipeg
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: **October 6, 2022** Sampling Locations

Parameter	Unit	STURGEON CREEK @ PERIMETER (S1)	STURGEON CREEK @ PORTAGE AVE (S2)	TRURO CREEK @ PORTAGE AVE (S3)	OMANDS CREEK @ PORTAGE AVE (S4)	LA SALLE RIVER @ HWY 75 (S5)	SEINE RIVER @ HWY 59 (S6)	SEINE RIVER @ PROVENCHER BLVD (S7)	BUNNS CREEK @ BONNER AVE (S8)
Sample Number		518249	518250	518253	518247	518246	518251	518252	518245
Temperature	°C	8.4	10.0	9.4	9.4	11.0	10.6	10.8	8.7
pH	units	7.60	8.19	7.78	7.67	8.23	8.09	8.18	7.89
Dissolved Oxygen	mg/L	9.9	11.3	7.6	7.5	10.9	9.3	9.6	6.3
Oxygen Saturation	%	84	100	66	66	99	84	86	54
Biochemical Oxygen Demand	mg/L	<4	<4	<4	6	<4	<4	<4	6
Total Solids	mg/L	1,460	1,420	820	846	394	364	390	806
Total Suspended Solids	mg/L	16	9	<3	19	26	15	21	62
Turbidity	n.t.u.	5	6	15	17	31	17	18	52
Chlorophyll a	ug/L	9.6	42.7	4.8	6.0	53.4	1.3	2.7	64.6
Total Organic Carbon	mg/L	5.1	7.4	9.2	15.4	12.7	18.4	16.5	12.8
Total Nitrogen	mg/L N	0.2	0.8	0.4	1.2	1.2	0.6	0.7	1.7
Ammonia Nitrogen	mg/L N	0.028	0.027	0.015	0.193	0.019	0.015	0.014	0.273
Nitrate Nitrogen	mg/L N	0.032	0.453	<0.003	0.496	0.384	<0.003	0.011	0.127
Soluble Phosphorus	mg/L P	0.02	0.02	0.09	0.12	0.34	0.15	0.10	0.08
Total Phosphorus	mg/L P	0.02	0.06	0.11	0.18	0.46	0.16	0.14	0.32
Escherichia coli	MPN/100 mL	90	30	20	350	340	100	450	1,100
Fecal Coliform	MPN/100 mL	10	100	<10	310	280	90	370	860

Notes: ns - no sample na - not analyzed nr - not recorded or no result

Weather conditions during monitoring:

Wind Direction: North-North East (NNE)
 Wind Speed: 27 km/h
 Cloud Coverage: 30 %
 Precipitation: <0.1 mm
 Air Temperature: 3 °C

Report Date: November 28, 2022