



City of Winnipeg
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: September 8, 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		511256	511257	511260	511254	511253	511258	511259	511252
Temperature	°C	16.7	19.1	18.8	18.7	21.1	19.3	19.7	19.4
pH	units	7.78	8.21	7.77	7.61	8.26	8.35	8.31	7.78
Dissolved Oxygen	mg/L	9.2	9.7	5.5	5.0	8.4	8.5	8.0	3.3
Oxygen Saturation	%	95	104	59	54	94	92	88	36
Biochemical Oxygen Demand	mg/L	<4	<4	6	<4	<4	<4	<4	nr
Total Solids	mg/L	1,310	1,330	712	712	536	422	396	688
Total Suspended Solids	mg/L	3	<3	<3	5	31	44	13	40
Turbidity	n.t.u.	3	3	2	6	34	34	13	32
Chlorophyll a	ug/L	13.9	8.0	2.7	3.3	10.7	1.3	4.5	102.0
Total Organic Carbon	mg/L	12.1	7.3	17.9	13.7	13.1	8.2	19.3	NRLE
Total Nitrogen	mg/L N	0.2	0.9	0.4	0.5	0.6	0.5	0.5	1.0
Ammonia Nitrogen	mg/L N	<0.003	0.027	0.024	0.048	<0.003	0.012	0.013	0.278
Nitrate Nitrogen	mg/L N	<0.003	0.805	0.098	0.247	<0.003	0.090	0.065	0.195
Soluble Phosphorus	mg/L P	0.05	0.08	0.18	0.19	0.58	0.12	0.14	0.16
Total Phosphorus	mg/L P	0.06	0.08	0.18	0.22	0.66	0.12	0.14	0.34
Escherichia coli	MPN/100 mL	50	130	60	60	100	310	150	1,470
Fecal Coliform	MPN/100 mL	20	100	100	110	150	260	330	720

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

Weather conditions during monitoring:

Wind Direction: West-South West (WSW)
 Wind Speed: 14 km/h
 Cloud Coverage: 100 %
 Precipitation: <0.1 mm
 Air Temperature: 21 °C

Report Date: May 01, 2023