



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: September 21, 2023		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		604586	604587	604590	604585	604584	604588	604589	604583
Temperature	°C	15.5	16.6	15.2	15.8	17.6	16.9	17.1	15.7
pH	units	7.88	7.87	7.58	7.29	8.57	7.90	8.01	7.48
Dissolved Oxygen	mg/L	9.3	6.9	6.1	2.7	8.4	6.6	8.1	3.8
Oxygen Saturation	%	92	70	60	27	87	68	83	38
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	5	<3	<3	5
Total Solids	mg/L	1,530	1,380	542	700	876	392	434	800
Total Suspended Solids	mg/L	<3	<3	6	<3	30	13	20	124
Turbidity	n.t.u.	3	2	2	4	19	15	16	63
Chlorophyll a	ug/L	2.7	2.3	6.7	<1.0	15.4	2.0	4.0	23.4
Total Organic Carbon	mg/L	5.4	7.3	10.2	12.9	13.7	12.6	13.5	16.3
Total Nitrogen	mg/L N	<0.2	0.6	0.3	0.7	0.9	0.5	0.6	3.8
Ammonia Nitrogen	mg/L N	0.013	0.059	0.011	0.136	0.027	0.011	0.066	1.310
Nitrate Nitrogen	mg/L N	<0.400	<0.200	<0.040	<0.100	<0.100	<0.020	<0.020	0.058
Soluble Phosphorus	mg/L P	0.03	0.10	0.09	0.28	0.19	0.08	0.14	0.22
Total Phosphorus	mg/L P	0.05	0.18	0.16	0.35	0.31	0.13	0.21	0.49
Escherichia coli	MPN/100 mL	20	40	10	40	160	250	230	2,190
Fecal Coliform	MPN/100 mL	nr	nr	nr	nr	nr	nr	nr	nr

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

Weather conditions during monitoring:

Wind Direction: North East (NE)
 Wind Speed: 4 km/h
 Cloud Coverage: 100 %
 Precipitation: <0.1 mm
 Air Temperature: 15 °C

Report Date: January 26, 2024