



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: **October 19, 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		611365	611366	611369	611364	611363	611367	611368	611362
Temperature	°C	9.6	11.0	9.8	10.7	11.4	10.5	10.3	11.0
pH	units	7.57	7.94	7.59	7.38	8.25	8.13	8.00	7.73
Dissolved Oxygen	mg/L	10.5	9.0	7.0	4.7	10.1	9.7	9.1	7.5
Oxygen Saturation	%	91	81	61	41	92	86	80	68
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	3	5
Total Solids	mg/L	1,490	1,350	546	570	906	444	528	742
Total Suspended Solids	mg/L	3	3	<3	4	13	14	65	17
Turbidity	n.t.u.	3	4	3	3	10	20	60	12
Chlorophyll a	ug/L	3.6	14.7	2.2	1.1	13.9	8.0	43.6	55.0
Total Organic Carbon	mg/L	5.6	6.2	7.4	7.1	15.0	11.1	13.7	9.3
Total Nitrogen	mg/L N	0.3	0.9	<0.2	0.5	1.5	0.5	1.3	1.1
Ammonia Nitrogen	mg/L N	0.004	0.118	0.010	0.041	0.022	0.011	0.025	0.106
Nitrate Nitrogen	mg/L N	0.011	0.343	0.014	0.043	0.023	<0.003	0.106	0.265
Soluble Phosphorus	mg/L P	<0.01	0.09	0.03	0.13	0.45	0.07	0.04	0.10
Total Phosphorus	mg/L P	0.02	0.09	0.05	0.18	0.50	0.08	0.18	0.21
Escherichia coli	MPN/100 mL	<10	10	<10	<10	<10	100	450	50
Fecal Coliform	MPN/100 mL	10	<10	10	10	<10	50	360	20

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

Weather conditions during monitoring:

Wind Direction:

Wind Speed: 0 km/h

Cloud Coverage: 80 %

Precipitation: <0.1 mm

Air Temperature: 9 °C

Report Date: January 29, 2024