



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: August 24, 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		597727	597728	597731	597726	597725	597729	597730	597724
Temperature	°C	18.7	20.2	20.6	19.0	21.8	20.5	20.6	19.6
pH	units	7.67	8.18	7.35	7.20	8.51	8.10	7.97	7.58
Dissolved Oxygen	mg/L	8.3	9.7	6.7	2.2	9.5	8.2	6.7	4.5
Oxygen Saturation	%	88	105	74	23	107	91	74	48
Biochemical Oxygen Demand	mg/L	3	3	6	5	4	4	3	12
Total Solids	mg/L	1,480	1,380	1,830	660	860	384	390	714
Total Suspended Solids	mg/L	6	<3	36	<3	13	29	19	58
Turbidity	n.t.u.	3	3	24	5	14	31	19	56
Chlorophyll a	ug/L	2.7	17.8	33.6	<1.0	35.8	8.9	9.6	222.0
Total Organic Carbon	mg/L	5.5	8.1	13.5	13.4	15.4	13.1	15.0	20.8
Total Nitrogen	mg/L N	0.5	0.7	1.0	1.1	1.2	1.1	0.9	3.4
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.108	<0.003	<0.003	<0.003	<0.003	0.889
Nitrate Nitrogen	mg/L N	0.008	0.043	0.014	0.006	<0.003	<0.003	<0.003	0.116
Soluble Phosphorus	mg/L P	<0.01	0.03	0.11	0.32	0.14	0.04	0.07	0.28
Total Phosphorus	mg/L P	0.03	0.12	0.54	0.56	0.29	0.10	0.16	0.75
Escherichia coli	MPN/100 mL	80	230	1,720	80	40	430	120	990
Fecal Coliform	MPN/100 mL	140	170	1,110	90	30	390	90	1,050

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

Weather conditions during monitoring:

Wind Direction: South West (SW)
 Wind Speed: 7 km/h
 Cloud Coverage: 100 %
 Precipitation: 1.0 mm
 Air Temperature: 21 °C

Report Date: January 26, 2024