



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: **October 5, 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		608149	608150	608153	608148	608147	608151	608152	608146
Temperature	°C	13.8	14.1	12.6	12.6	14.8	14.8	14.0	14.7
pH	units	7.72	7.54	7.44	7.57	8.16	7.88	7.66	8.03
Dissolved Oxygen	mg/L	7.6	6.7	7.8	8.5	8.6	6.9	7.2	7.6
Oxygen Saturation	%	73	64	73	79	84	67	69	74
Biochemical Oxygen Demand	mg/L	<3	3	3	<3	3	<3	3	8
Total Solids	mg/L	1,420	472	166	248	1,030	338	404	560
Total Suspended Solids	mg/L	9	15	18	14	31	10	36	139
Turbidity	n.t.u.	4	14	30	17	28	13	34	73
Chlorophyll a	ug/L	2.7	4.7	2.0	2.7	24.7	1.3	18.7	30.0
Total Organic Carbon	mg/L	6.5	7.6	7.5	6.8	12.0	14.6	12.5	12.3
Total Nitrogen	mg/L N	<0.2	0.4	<0.2	<0.2	0.6	0.2	1.3	0.7
Ammonia Nitrogen	mg/L N	0.051	0.106	nr	0.069	0.026	0.022	0.190	0.205
Nitrate Nitrogen	mg/L N	0.041	0.274	nr	0.172	0.023	0.011	0.971	0.098
Soluble Phosphorus	mg/L P	0.07	0.12	nr	0.10	0.07	0.07	0.14	0.05
Total Phosphorus	mg/L P	0.09	0.21	0.09	0.15	0.20	0.15	0.25	0.32
Escherichia coli	MPN/100 mL	70	9,800	3,130	10	1,350	120	1,580	2,600
Fecal Coliform	MPN/100 mL	60	5,010	2,600	<10	1,300	150	1,310	3,440

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

Weather conditions during monitoring:

Wind Direction: North West (NW)
 Wind Speed: 8 km/h
 Cloud Coverage: 100 %
 Precipitation: 5.4 mm
 Air Temperature: 10 °C

Report Date: February 9, 2024