



City of Winnipeg  
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: **May 18, 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		572340	572341	572344	572339	572338	572342	572343	572337
Temperature	°C	12.4	14.2	11.3	12.4	15.3	14.9	16.9	15.1
pH	units	7.57	7.88	7.65	7.48	8.47	8.13	7.94	8.40
Dissolved Oxygen	mg/L	6.7	8.2	6.6	5.2	10.3	8.4	7.0	5.9
Oxygen Saturation	%	63	80	60	49	102	83	72	59
Biochemical Oxygen Demand	mg/L	5	8	3	3	7	4	<3	6
Total Solids	mg/L	716	684	652	784	358	412	480	1,030
Total Suspended Solids	mg/L	9	15	<3	7	5	23	6	8
Turbidity	n.t.u.	10	15	2	8	4	26	5	5
Chlorophyll a	ug/L	9.1	18.7	3.7	17.6	47.5	3.2	8.0	17.1
Total Organic Carbon	mg/L	19.3	21.8	17.7	16.2	17.7	18.0	16.3	14.8
Total Nitrogen	mg/L N	1.6	1.8	1.2	1.4	1.8	1.1	1.1	1.3
Ammonia Nitrogen	mg/L N	0.042	0.011	<0.003	0.015	0.032	0.014	0.011	<0.003
Nitrate Nitrogen	mg/L N	0.254	0.246	0.099	0.170	0.169	0.189	0.066	0.060
Soluble Phosphorus	mg/L P	0.60	0.59	0.18	0.36	0.37	0.11	0.10	0.09
Total Phosphorus	mg/L P	0.86	0.80	0.28	0.40	0.39	0.15	0.19	0.25
Escherichia coli	MPN/100 mL	100	390	300	470	10	110	<10	560
Fecal Coliform	MPN/100 mL	40	390	110	350	20	20	10	400

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

Weather conditions during monitoring:

Wind Direction: North West (NW)  
 Wind Speed: 28 km/h  
 Cloud Coverage: 100 %  
 Precipitation: 8.9 mm  
 Air Temperature: 7 °C

Report Date: June 14, 2023