



City of Winnipeg  
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: July 27, 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		590398	590399	590402	590397	590396	590400	590401	590395
Temperature	°C	19.2	22.0	19.2	21.9	23.9	22.5	22.1	23.6
pH	units	7.62	7.72	7.46	7.51	8.52	8.13	7.74	8.31
Dissolved Oxygen	mg/L	8.0	6.4	5.0	2.3	8.0	7.2	5.4	4.2
Oxygen Saturation	%	86	73	55	26	95	83	62	49
Biochemical Oxygen Demand	mg/L	4	15	3	6	8	4	<3	10
Total Solids	mg/L	1,460	570	404	766	702	390	490	772
Total Suspended Solids	mg/L	<3	<3	<3	<3	30	20	8	9
Turbidity	n.t.u.	2	3	3	3	25	25	10	6
Chlorophyll a	ug/L	2.7	2.9	1.3	6.4	31.4	4.8	15.5	51.3
Total Organic Carbon	mg/L	6.6	7.1	11.0	19.0	19.7	13.8	14.9	18.4
Total Nitrogen	mg/L N	<0.2	<0.2	0.3	0.8	1.0	0.3	0.8	0.9
Ammonia Nitrogen	mg/L N	<0.003	0.061	0.036	0.129	<0.003	<0.003	0.020	0.077
Nitrate Nitrogen	mg/L N	<0.200	0.220	0.080	<0.040	<0.040	<0.020	0.567	<0.100
Soluble Phosphorus	mg/L P	0.02	0.13	0.18	0.24	0.33	0.04	0.14	0.05
Total Phosphorus	mg/L P	0.04	0.18	0.22	0.43	0.46	0.10	0.21	0.20
Escherichia coli	MPN/100 mL	<10	160	280	400	330	80	1,420	130
Fecal Coliform	MPN/100 mL	<10	120	490	410	360	90	1,620	110

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

Weather conditions during monitoring:

Wind Direction: North West (NW)  
 Wind Speed: 9 km/h  
 Cloud Coverage: 20 %  
 Precipitation: <0.1 mm  
 Air Temperature: 20 °C

Report Date: January 17, 2024