

City of Winnipeg
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: May 5, 2022 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		477759	477760	477766	477755	477753	477764	477765	477748
Temperature	°C	12.4	12.0	10.6	12.3	8.7	11.1	9.7	7.0
pH	units	7.55	7.59	7.50	7.47	7.63	7.81	7.68	7.88
Dissolved Oxygen	mg/L	8.0	8.3	7.9	7.1	9.7	8.6	9.0	10.2
Oxygen Saturation	%	75	77	71	66	83	79	79	83
Biochemical Oxygen Demand	mg/L	5	<4	6	<4	6	11	<4	<4
Total Solids	mg/L	374	384	462	600	546	406	430	494
Total Suspended Solids	mg/L	140	134	48	180	275	96	58	9
Turbidity	n.t.u.	114	111	55	109	319	79	46	11
Chlorophyll a	ug/L	5.3	8.0	13.4	5.3	5.3	<1.0	10.7	13.4
Total Organic Carbon	mg/L	8.6	8.9	9.7	9.8	11.6	10.8	10.5	8.8
Total Nitrogen	mg/L N	1.8	1.7	1.5	1.4	2.6	1.4	2.0	1.2
Ammonia Nitrogen	mg/L N	0.129	0.129	0.108	0.230	0.187	0.048	0.143	0.066
Nitrate Nitrogen	mg/L N	0.674	0.694	0.544	0.718	1.310	0.373	1.070	0.385
Soluble Phosphorus	mg/L P	0.58	0.58	0.20	0.41	0.30	0.18	0.27	0.14
Total Phosphorus	mg/L P	0.73	0.70	0.31	0.50	0.55	0.28	0.35	0.21
Escherichia coli	MPN/100 mL	<10	30	10	<10	20	80	20	30
Fecal Coliform	MPN/100 mL	30	40	<10	20	30	100	90	<10

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

Weather conditions during monitoring:

Wind Direction: South (S)
 Wind Speed: 5 km/h
 Cloud Coverage: 5 %
 Precipitation: <0.1 mm
 Air Temperature: 13 °C

Report Date: June 14, 2022