

City of Winnipeg
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: July 28, 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		499323	499324	499327	499321	499320	499325	499326	499319
Temperature	°C	19.3	19.4	16.5	18.1	20.5	18.4	18.5	19.2
pH	units	7.47	7.64	7.50	7.54	7.69	7.89	7.71	7.61
Dissolved Oxygen	mg/L	5.8	7.3	6.2	6.3	6.9	7.8	7.1	4.6
Oxygen Saturation	%	63	80	64	66	77	83	76	50
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	<4	<4
Total Solids	mg/L	284	294	426	500	360	374	378	516
Total Suspended Solids	mg/L	9	15	<3	6	58	37	50	5
Turbidity	n.t.u.	14	17	3	7	65	37	40	4
Chlorophyll a	ug/L	8.7	9.3	1.1	1.6	4.0	2.7	5.3	11.2
Total Organic Carbon	mg/L	11.4	10.3	8.2	8.3	12.3	15.6	11.2	10.9
Total Nitrogen	mg/L N	1.0	0.9	0.6	0.6	2.0	1.2	1.3	1.3
Ammonia Nitrogen	mg/L N	0.009	<0.003	<0.003	<0.003	0.022	0.007	0.056	0.065
Nitrate Nitrogen	mg/L N	0.026	0.079	0.121	0.070	0.760	0.133	0.462	0.059
Soluble Phosphorus	mg/L P	0.53	0.52	0.11	0.20	0.66	0.19	0.26	0.45
Total Phosphorus	mg/L P	0.55	0.54	0.13	0.23	0.74	0.25	0.33	0.48
Escherichia coli	MPN/100 mL	330	60	150	520	100	60	580	150
Fecal Coliform	MPN/100 mL	480	150	120	430	160	140	880	220

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

Weather conditions during monitoring:

Wind Direction: North West (NW)
 Wind Speed: 20 km/h
 Cloud Coverage: 90 %
 Precipitation: 4.0 mm
 Air Temperature: 18 °C

Report Date: August 29, 2022