



City of Winnipeg
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: **October 20, 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		521828	521829	521832	521826	521825	521830	521831	521824
Temperature	°C	4.2	5.5	3.2	4.1	4.7	3.9	3.3	3.4
pH	units	7.48	8.06	7.84	7.75	8.45	8.22	8.24	8.59
Dissolved Oxygen	mg/L	10.4	10.4	8.7	10.1	13.2	11.9	12.4	10.4
Oxygen Saturation	%	83	83	65	77	103	90	93	78
Biochemical Oxygen Demand	mg/L	<4	<4	7	4	4	<4	<4	5
Total Solids	mg/L	1,330	1,330	682	634	594	432	436	836
Total Suspended Solids	mg/L	4	10	<3	16	26	11	21	35
Turbidity	n.t.u.	6	10	2	13	23	13	21	29
Chlorophyll a	ug/L	nr	nr	nr	nr	nr	nr	nr	nr
Total Organic Carbon	mg/L	6.7	5.8	11.3	8.5	13.8	16.2	15.6	14.2
Total Nitrogen	mg/L N	0.6	0.9	0.4	0.6	1.3	0.7	0.8	1.2
Ammonia Nitrogen	mg/L N	0.029	0.043	<0.003	0.019	0.056	<0.003	0.012	0.081
Nitrate Nitrogen	mg/L N	na	na	na	na	na	na	na	na
Soluble Phosphorus	mg/L P	0.01	0.04	0.04	0.07	0.29	0.07	0.09	0.02
Total Phosphorus	mg/L P	0.02	0.02	0.03	0.14	0.43	0.07	0.12	0.16
Escherichia coli	MPN/100 mL	10	200	30	30	190	<10	470	30
Fecal Coliform	MPN/100 mL	<10	20	20	10	80	20	400	90

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

Weather conditions during monitoring:

Wind Direction: South (S)
 Wind Speed: 14 km/h
 Cloud Coverage: 75 %
 Precipitation: <0.1 mm
 Air Temperature: 7 °C

Report Date: November 28, 2022