



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: **May 4, 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		569530	569531	569534	569529	569528	569532	569533	569527
Temperature	°C	13.5	12.9	9.7	11.5	11.9	12.3	11.9	12.0
pH	units	7.66	7.80	7.75	7.66	7.74	8.17	8.23	8.61
Dissolved Oxygen	mg/L	7.3	8.8	9.4	7.6	9.5	9.7	11.6	8.6
Oxygen Saturation	%	70	84	84	70	88	91	108	108
Biochemical Oxygen Demand	mg/L	<3	4	<3	<3	3	<3	4	7
Total Solids	mg/L	362	366	464	368	288	368	426	1,080
Total Suspended Solids	mg/L	34	39	4	19	23	30	12	19
Turbidity	n.t.u.	48	49	3	24	27	26	9	7
Chlorophyll a	ug/L	18.7	20.7	7.3	9.3	14.7	7.3	48.7	86.8
Total Organic Carbon	mg/L	21.4	19.3	14.2	15.0	15.7	14.8	15.9	13.4
Total Nitrogen	mg/L N	1.4	1.3	0.6	0.9	2.2	0.6	1.2	0.7
Ammonia Nitrogen	mg/L N	0.023	0.024	0.003	0.027	0.024	0.016	0.011	0.008
Nitrate Nitrogen	mg/L N	0.097	0.078	0.034	0.055	2.440	0.074	0.349	0.007
Soluble Phosphorus	mg/L P	0.49	0.46	0.10	0.38	0.38	0.10	0.12	0.02
Total Phosphorus	mg/L P	0.57	0.50	0.13	0.42	0.44	0.11	0.20	0.21
Escherichia coli	MPN/100 mL	10	180	10	50	<10	10	<10	10
Fecal Coliform	MPN/100 mL	10	120	10	50	<10	20	40	<10

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

Weather conditions during monitoring:

Wind Direction: North East (NE)
 Wind Speed: 24 km/h
 Cloud Coverage: 0 %
 Precipitation: <0.1 mm
 Air Temperature: 15 °C

Report Date: June 19, 2023