



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: August 10, 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		594092	594093	594096	594091	594090	594094	594095	594089
Temperature	°C	15.9	19.2	15.9	17.8	20.2	18.3	18.3	17.3
pH	units	7.45	8.19	7.64	7.36	8.58	8.20	8.12	7.58
Dissolved Oxygen	mg/L	6.8	8.5	5.6	2.4	8.3	7.8	6.9	5.2
Oxygen Saturation	%	69	92	56	25	92	83	74	54
Biochemical Oxygen Demand	mg/L	<3	3	<3	7	8	<3	<3	5
Total Solids	mg/L	1,570	1,120	454	500	782	330	364	580
Total Suspended Solids	mg/L	<3	<3	6	5	19	31	7	12
Turbidity	n.t.u.	3	2	4	5	17	29	9	11
Chlorophyll a	ug/L	5.3	4.2	2.7	1.1	20.8	3.2	1.8	43.3
Total Organic Carbon	mg/L	6.3	10.7	9.9	16.4	17.9	17.3	16.5	14.6
Total Nitrogen	mg/L N	<0.2	<0.2	<0.2	0.8	0.5	0.4	0.2	0.7
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.017	0.319	<0.003	<0.003	<0.003	0.259
Nitrate Nitrogen	mg/L N	0.006	0.021	0.060	<0.003	<0.003	0.014	0.060	0.054
Soluble Phosphorus	mg/L P	0.03	0.10	0.22	0.51	0.31	0.09	0.15	0.19
Total Phosphorus	mg/L P	0.06	0.14	0.30	0.70	0.39	0.14	0.19	0.41
Escherichia coli	MPN/100 mL	<10	40	150	>24,200	10	60	720	190
Fecal Coliform	MPN/100 mL	<10	140	110	>24,200	130	170	750	230

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

Weather conditions during monitoring:

Wind Direction: South East (SE)
 Wind Speed: 17 km/h
 Cloud Coverage: 50 %
 Precipitation: <0.1 mm
 Air Temperature: 16 °C

Report Date: January 26, 2024