



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: September 7, 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		600994	600995	600998	600993	600992	600996	600997	600991
Temperature	°C	14.9	16.6	14.0	16.5	17.4	16.1	16.0	15.1
pH	units	7.68	8.02	7.59	7.36	8.49	8.00	7.85	7.72
Dissolved Oxygen	mg/L	8.6	8.2	6.5	3.1	9.0	7.3	7.2	5.4
Oxygen Saturation	%	85	84	62	31	94	74	72	53
Biochemical Oxygen Demand	mg/L	3	<3	4	5	7	7	4	8
Total Solids	mg/L	1,590	1,390	494	664	896	398	414	626
Total Suspended Solids	mg/L	5	<3	<3	16	18	16	27	26
Turbidity	n.t.u.	4	2	4	11	17	15	12	25
Chlorophyll a	ug/L	6.0	4.0	4.5	1.3	28.7	2.7	3.3	118.0
Total Organic Carbon	mg/L	4.8	7.4	9.7	16.5	14.4	12.2	10.9	11.0
Total Nitrogen	mg/L N	<0.2	0.5	0.2	3.1	1.3	0.6	0.3	0.9
Ammonia Nitrogen	mg/L N	0.009	0.025	<0.003	0.953	<0.003	<0.003	0.023	0.030
Nitrate Nitrogen	mg/L N	0.012	0.058	0.029	0.013	0.013	<0.003	0.025	0.020
Soluble Phosphorus	mg/L P	0.01	0.06	0.05	0.35	0.22	0.04	0.16	0.04
Total Phosphorus	mg/L P	0.06	0.14	0.12	0.54	0.33	0.11	0.22	0.27
Escherichia coli	MPN/100 mL	40	30	540	6,130	40	160	280	450
Fecal Coliform	MPN/100 mL	nr	nr	nr	nr	nr	nr	nr	nr

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

Weather conditions during monitoring:

Wind Direction: South (S)
 Wind Speed: 28 km/h
 Cloud Coverage: 0 %
 Precipitation: <0.1 mm
 Air Temperature: 16 °C

Report Date: January 26, 2024