



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: June 1, 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		575596	575597	575600	575595	575594	575598	575599	575593
Temperature	°C	19.4	22.5	20.0	19.2	22.4	20.0	21.7	20.5
pH	units	7.79	8.08	7.70	7.57	7.72	7.91	8.15	8.50
Dissolved Oxygen	mg/L	8.9	6.3	4.8	4.2	5.2	6.9	6.7	5.6
Oxygen Saturation	%	97	72	53	45	64	75	76	63
Biochemical Oxygen Demand	mg/L	4	4	3	4	5	5	<3	5
Total Solids	mg/L	1,180	1,130	906	916	658	548	452	1,270
Total Suspended Solids	mg/L	10	6	7	5	6	215	24	15
Turbidity	n.t.u.	8	5	4	5	4	171	20	8
Chlorophyll a	ug/L	8.0	7.3	4.0	2.0	12.0	8.0	5.3	8.7
Total Organic Carbon	mg/L	15.4	16.7	16.4	16.8	17.2	19.6	18.9	17.5
Total Nitrogen	mg/L N	1.5	1.4	1.2	1.4	2.2	2.3	1.2	1.5
Ammonia Nitrogen	mg/L N	0.012	0.100	0.040	0.092	0.506	0.108	0.038	0.007
Nitrate Nitrogen	mg/L N	<0.003	0.058	0.047	0.135	0.221	0.980	0.057	<0.003
Soluble Phosphorus	mg/L P	0.29	0.44	0.39	0.49	0.39	0.17	0.16	0.24
Total Phosphorus	mg/L P	0.40	0.48	0.51	0.58	0.44	0.31	0.20	0.34
Escherichia coli	MPN/100 mL	180	170	40	150	30	430	430	330
Fecal Coliform	MPN/100 mL	100	160	70	90	10	680	280	430

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

Weather conditions during monitoring:

Wind Direction: South East (SE)
 Wind Speed: 6 km/h
 Cloud Coverage: 90 %
 Precipitation: 0.4 mm
 Air Temperature: 25 °C

Report Date: January 15, 2024