



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: June 29, 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		582947	582948	582951	582946	582945	582949	582950	582944
Temperature	°C	19.6	21.3	19.2	19.7	24.1	21.7	21.1	22.3
pH	units	7.69	8.16	7.64	7.55	8.38	8.26	7.99	8.67
Dissolved Oxygen	mg/L	8.0	5.8	4.3	2.8	8.8	7.7	5.7	5.0
Oxygen Saturation	%	87	66	47	31	105	87	64	57
Biochemical Oxygen Demand	mg/L	<3	<3	8	<3	5	4	4	<3
Total Solids	mg/L	1,390	1,060	710	872	762	470	564	870
Total Suspended Solids	mg/L	3	8	84	5	32	57	26	13
Turbidity	n.t.u.	3	4	4	4	23	43	25	11
Chlorophyll a	ug/L	3.3	7.3	8.7	1.3	55.4	4.7	4.0	10.0
Total Organic Carbon	mg/L	7.2	11.9	16.2	15.8	16.5	17.4	15.0	14.6
Total Nitrogen	mg/L N	0.8	0.2	0.2	0.3	0.8	1.1	0.8	1.7
Ammonia Nitrogen	mg/L N	0.033	0.100	0.094	0.108	<0.003	0.014	0.125	0.069
Nitrate Nitrogen	mg/L N	na	na	na	na	na	na	na	na
Soluble Phosphorus	mg/L P	0.05	0.41	0.67	0.41	0.31	0.07	0.13	0.14
Total Phosphorus	mg/L P	0.13	0.54	0.89	0.52	0.55	0.13	0.18	0.22
Escherichia coli	MPN/100 mL	140	320	250	440	230	140	4,110	890
Fecal Coliform	MPN/100 mL	80	430	170	80	280	210	6,130	860

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

Weather conditions during monitoring:

Wind Direction: North West (NW)
 Wind Speed: 13 km/h
 Cloud Coverage: 50 %
 Precipitation: 3.9 mm
 Air Temperature: 21 °C

Report Date: January 17, 2024