



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: July 13, 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		586668	586669	586672	586667	586666	586670	586671	586665
Temperature	°C	16.4	19.2	16.5	16.4	20.8	19.2	19.5	17.8
pH	units	7.72	8.38	7.59	7.37	8.34	8.26	8.34	7.85
Dissolved Oxygen	mg/L	9.1	8.6	4.8	4.1	7.7	8.3	8.3	5.3
Oxygen Saturation	%	93	94	49	42	86	89	90	55
Biochemical Oxygen Demand	mg/L	6	8	4	13	12	6	3	14
Total Solids	mg/L	1,490	1,130	750	732	756	414	422	826
Total Suspended Solids	mg/L	<3	<3	<3	<3	27	21	16	32
Turbidity	n.t.u.	4	3	6	3	29	27	18	20
Chlorophyll a	ug/L	3.3	18.7	3.3	2.0	24.0	3.3	3.3	6.7
Total Organic Carbon	mg/L	7.0	9.9	11.6	13.7	16.5	15.7	16.0	14.4
Total Nitrogen	mg/L N	0.5	0.8	1.4	1.1	1.8	1.3	1.3	1.4
Ammonia Nitrogen	mg/L N	0.019	0.013	0.124	0.084	<0.003	<0.003	0.009	0.071
Nitrate Nitrogen	mg/L N	na	na	na	na	na	na	na	na
Soluble Phosphorus	mg/L P	0.03	0.12	0.40	0.39	0.38	0.06	0.09	0.33
Total Phosphorus	mg/L P	0.05	0.22	0.51	0.41	0.51	0.10	0.15	0.41
Escherichia coli	MPN/100 mL	130	130	610	80	100	60	210	1,140
Fecal Coliform	MPN/100 mL	110	190	790	30	80	50	470	1,120

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

Weather conditions during monitoring:

Wind Direction: West (W)
 Wind Speed: 28 km/h
 Cloud Coverage: 60 %
 Precipitation: <0.1 mm
 Air Temperature: 22 °C

Report Date: November 14, 2023