



City of Winnipeg
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: July 14, 2022 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		495622	495623	495626	495620	495619	495624	495625	495618
Temperature	°C	19.8	21.7	20.5	21.1	23.3	21.6	21.7	22.1
pH	units	7.71	7.94	7.42	7.60	7.88	7.88	7.97	7.98
Dissolved Oxygen	mg/L	8.0	8.9	5.9	5.3	5.2	7.3	6.5	4.3
Oxygen Saturation	%	96	101	66	59	61	83	74	52
Biochemical Oxygen Demand	mg/L	nr	nr	nr	nr	nr	nr	nr	nr
Total Solids	mg/L	950	938	556	600	422	440	492	776
Total Suspended Solids	mg/L	6	16	<3	5	64	43	39	7
Turbidity	n.t.u.	6	10	2	4	82	30	27	4
Chlorophyll a	ug/L	8.9	35.4	<1.0	2.7	10.7	2.0	2.7	12.0
Total Organic Carbon	mg/L	14.5	14.7	13.2	14.2	12.7	21.5	17.6	15.4
Total Nitrogen	mg/L N	0.6	1.4	0.5	0.6	1.6	0.7	0.6	0.8
Ammonia Nitrogen	mg/L N	0.005	0.042	0.029	0.037	0.079	0.014	0.080	0.093
Nitrate Nitrogen	mg/L N	0.031	0.370	0.059	0.048	1.310	0.026	0.110	0.103
Soluble Phosphorus	mg/L P	0.44	0.46	0.28	0.37	0.62	0.13	0.24	0.44
Total Phosphorus	mg/L P	0.49	0.56	0.31	0.44	0.79	0.14	0.30	0.55
Escherichia coli	MPN/100 mL	80	100	190	50	20	100	500	120
Fecal Coliform	MPN/100 mL	40	120	160	60	130	60	360	140

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

Weather conditions during monitoring:

Wind Direction: South (S)
 Wind Speed: 18 km/h
 Cloud Coverage: 100 %
 Precipitation: <0.1 mm
 Air Temperature: 21 °C

Report Date: May 01, 2023