



City of Winnipeg  
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: **November 3, 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		525899	525900	525903	525897	525896	525901	525902	525895
Temperature	°C	6.3	6.6	6.7	6.8	7.0	7.2	6.8	8.1
pH	units	7.58	8.11	7.99	7.87	8.69	8.26	8.28	8.30
Dissolved Oxygen	mg/L	9.5	10.4	9.3	9.8	12.6	10.7	11.2	9.7
Oxygen Saturation	%	77	85	76	81	104	89	91	82
Biochemical Oxygen Demand	mg/L	<4	<4	<4	4	5	<4	<4	5
Total Solids	mg/L	1,400	1,270	726	624	634	432	512	694
Total Suspended Solids	mg/L	6	12	<3	14	21	11	21	35
Turbidity	n.t.u.	5	9	3	12	15	12	18	20
Chlorophyll a	ug/L	6.7	13.4	2.7	51.4	54.1	2.7	12.0	102.0
Total Organic Carbon	mg/L	5.9	8.0	8.1	7.3	14.9	14.9	14.9	12.2
Total Nitrogen	mg/L N	<0.2	0.4	<0.2	<0.2	1.1	0.2	0.4	0.9
Ammonia Nitrogen	mg/L N	0.077	0.059	0.012	0.003	0.029	0.052	0.040	0.056
Nitrate Nitrogen	mg/L N	0.187	0.424	0.083	0.024	0.006	0.008	0.031	0.123
Soluble Phosphorus	mg/L P	<0.01	0.02	0.02	0.03	0.95	0.02	0.03	0.03
Total Phosphorus	mg/L P	0.02	0.06	0.05	0.11	1.11	0.08	0.11	0.21
Escherichia coli	MPN/100 mL	10	260	60	<10	90	30	110	100
Fecal Coliform	MPN/100 mL	<10	40	90	10	70	50	110	100

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

Weather conditions during monitoring:

Wind Direction: West (W)  
 Wind Speed: 11 km/h  
 Cloud Coverage: 100 %  
 Precipitation: <0.1 mm  
 Air Temperature: 4 °C

Report Date: February 23, 2023