



City of Winnipeg  
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: September 22, 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		514628	514629	514632	514626	514625	514630	514631	514624
Temperature	°C	10.2	13.3	10.6	12.6	13.7	12.7	12.8	11.9
pH	units	7.62	8.05	7.80	7.58	7.48	8.30	8.16	8.29
Dissolved Oxygen	mg/L	9.6	11.1	8.3	6.7	8.3	10.6	9.7	8.3
Oxygen Saturation	%	86	106	75	63	79	100	92	77
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	<4	4
Total Solids	mg/L	1,140	1,190	524	770	296	432	440	656
Total Suspended Solids	mg/L	<3	4	<3	38	20	16	16	42
Turbidity	n.t.u.	4	4	2	30	49	16	18	25
Chlorophyll a	ug/L	5.9	8.0	2.7	3.6	4.0	1.3	9.3	66.8
Total Organic Carbon	mg/L	8.8	6.2	8.0	9.6	12.7	16.6	15.4	11.6
Total Nitrogen	mg/L N	0.3	0.9	<0.2	0.4	1.9	0.4	0.6	0.7
Ammonia Nitrogen	mg/L N	0.024	0.070	0.007	0.047	0.095	<0.003	0.005	0.050
Nitrate Nitrogen	mg/L N	0.025	0.750	0.054	0.165	1.390	<0.003	0.156	0.031
Soluble Phosphorus	mg/L P	0.08	0.08	0.09	0.09	0.46	0.10	0.11	0.09
Total Phosphorus	mg/L P	0.13	0.09	0.09	0.18	0.55	0.12	0.17	0.23
Escherichia coli	MPN/100 mL	90	100	100	60	190	60	500	230
Fecal Coliform	MPN/100 mL	180	120	80	60	110	160	580	250

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

Weather conditions during monitoring:

Wind Direction: South-South West (SSW)  
 Wind Speed: 6 km/h  
 Cloud Coverage: 5 %  
 Precipitation: <0.1 mm  
 Air Temperature: 11 °C

Report Date: November 28, 2022