

**City of Winnipeg  
Water and Waste Department**

**2022 SMALL STREAMS MONITORING**

**Survey Date:** June 2, 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		484168	484171	484174	484165	484163	484172	484173	484158
Temperature	°C	12.0	12.0	12.1	12.8	12.4	12.9	12.9	13.1
pH	units	7.30	7.29	7.36	7.05	7.15	7.32	7.31	7.38
Dissolved Oxygen	mg/L	8.7	9.6	9.9	7.3	8.4	8.2	7.0	7.9
Oxygen Saturation	%	81	89	92	69	79	77	66	75
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	<4	<4
Total Solids	mg/L	448	456	292	392	940	428	336	502
Total Suspended Solids	mg/L	98	90	12	30	460	104	14	3
Turbidity	n.t.u.	228	221	35	136	850	148	32	8
Chlorophyll a	ug/L	8.7	9.3	10.0	6.7	8.0	2.7	4.7	11.3
Total Organic Carbon	mg/L	15.7	15.4	11.9	12.4	21.8	16.1	11.1	10.4
Total Nitrogen	mg/L N	2.5	2.5	0.7	2.0	4.1	2.1	1.2	1.3
Ammonia Nitrogen	mg/L N	0.307	0.330	0.015	0.008	0.367	0.189	0.052	0.059
Nitrate Nitrogen	mg/L N	1.220	1.250	0.023	1.160	1.920	1.000	0.465	0.573
Soluble Phosphorus	mg/L P	0.81	0.77	0.14	0.41	0.50	0.35	0.31	0.35
Total Phosphorus	mg/L P	1.04	0.91	0.19	0.54	0.91	0.47	0.36	0.42
Escherichia coli	MPN/100 mL	570	880	130	210	560	480	360	450
Fecal Coliform	MPN/100 mL	750	1,190	120	280	830	780	350	390

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

Weather conditions during monitoring:

Wind Direction: West (W)  
 Wind Speed: 35 km/h  
 Cloud Coverage: 80 %  
 Precipitation: 0.6 mm  
 Air Temperature: 5 °C

Report Date: August 12, 2022