



City of Winnipeg  
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: August 25, 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		507177	507178	507181	507175	507174	507179	507180	507173
Temperature	°C	16.0	19.0	16.6	18.3	20.5	19.2	18.8	18.8
pH	units	7.65	7.90	7.59	7.47	7.83	7.97	7.83	7.66
Dissolved Oxygen	mg/L	7.4	8.7	6.0	5.6	7.5	7.4	6.6	5.1
Oxygen Saturation	%	75	93	61	59	78	80	71	55
Biochemical Oxygen Demand	mg/L	18	<4	<4	37	<4	<4	<4	5
Total Solids	mg/L	966	960	516	642	442	376	378	602
Total Suspended Solids	mg/L	3	4	<3	5	52	42	26	8
Turbidity	n.t.u.	4	6	3	6	48	37	23	10
Chlorophyll a	ug/L	2.7	7.3	5.3	16.0	11.3	2.7	1.3	51.4
Total Organic Carbon	mg/L	na	na	na	na	na	na	na	na
Total Nitrogen	mg/L N	0.9	1.4	1.2	0.9	1.1	1.2	1.4	1.1
Ammonia Nitrogen	mg/L N	0.008	0.012	<0.003	0.034	<0.003	0.057	0.060	<0.003
Nitrate Nitrogen	mg/L N	0.042	0.632	0.104	0.141	0.036	0.114	0.266	0.020
Soluble Phosphorus	mg/L P	0.27	0.20	0.19	0.19	0.73	0.25	0.24	0.20
Total Phosphorus	mg/L P	0.33	0.25	0.22	0.26	0.85	0.30	0.32	0.34
Escherichia coli	MPN/100 mL	120	300	170	3,870	100	160	170	180
Fecal Coliform	MPN/100 mL	150	170	260	8,660	70	110	350	230

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

Weather conditions during monitoring:

Wind Direction: West (W)  
 Wind Speed: 10 km/h  
 Cloud Coverage: 30 %  
 Precipitation: <0.1 mm  
 Air Temperature: 17 °C

Report Date: December 02, 2022