

**City of Winnipeg
Water and Waste Department**

2022 SMALL STREAMS MONITORING

Survey Date: June 16, 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		487915	487916	487919	487910	487908	487917	487918	487903
Temperature	°C	16.6	18.1	16.2	17.7	19.3	18.6	19.0	18.3
pH	units	7.63	7.90	7.65	7.60	7.66	8.07	7.63	8.03
Dissolved Oxygen	mg/L	7.6	8.1	7.6	7.2	6.7	7.9	5.2	7.8
Oxygen Saturation	%	78	86	77	76	73	84	56	83
Biochemical Oxygen Demand	mg/L	<4	5	<4	<4	<4	7	<4	<4
Total Solids	mg/L	604	672	322	546	368	412	402	690
Total Suspended Solids	mg/L	10	11	3	10	14	21	7	11
Turbidity	n.t.u.	14	13	3	14	19	18	7	6
Chlorophyll a	ug/L	9.3	23.4	2.0	2.7	14.0	2.0	3.3	28.0
Total Organic Carbon	mg/L	15.9	14.8	9.4	11.5	15.8	18.6	15.2	12.6
Total Nitrogen	mg/L N	1.2	1.6	0.7	1.0	1.6	1.1	1.3	1.2
Ammonia Nitrogen	mg/L N	0.038	0.104	0.048	0.051	0.081	0.030	0.113	0.033
Nitrate Nitrogen	mg/L N	0.094	0.326	0.050	0.134	0.367	0.062	0.325	0.208
Soluble Phosphorus	mg/L P	0.54	0.29	0.11	0.23	0.57	0.21	0.30	0.21
Total Phosphorus	mg/L P	0.62	0.60	0.15	0.27	0.67	0.23	0.37	0.32
Escherichia coli	MPN/100 mL	220	6,490	160	300	<10	120	150	430
Fecal Coliform	MPN/100 mL	170	9,210	690	130	10	120	60	520

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

Weather conditions during monitoring:

Wind Direction: North West (NW)
 Wind Speed: 31 km/h
 Cloud Coverage: 80 %
 Precipitation: 6.6 mm
 Air Temperature: 16 °C

Report Date: June 30, 2022