

**City of Winnipeg
Water and Waste Department**

2022 SMALL STREAMS MONITORING

Survey Date: **May 19, 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		480924	480925	480928	480920	480918	480926	480927	480912
Temperature	°C	10.3	10.1	9.2	10.1	12.1	11.5	11.5	10.7
pH	units	7.44	7.61	7.70	7.46	7.63	7.94	7.72	8.37
Dissolved Oxygen	mg/L	7.8	9.4	9.4	8.3	8.7	9.0	7.8	10.9
Oxygen Saturation	%	70	84	82	74	81	82	72	98
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	<4	<4
Total Solids	mg/L	484	510	490	456	384	402	406	702
Total Suspended Solids	mg/L	209	126	7	31	143	22	14	7
Turbidity	n.t.u.	182	23	4	37	142	30	19	7
Chlorophyll a	ug/L	10.7	5.3	6.7	2.7	6.7	2.7	9.3	42.7
Total Organic Carbon	mg/L	15.8	15.2	11.5	9.9	12.7	15.8	15.0	13.0
Total Nitrogen	mg/L N	1.8	1.9	1.0	1.1	1.8	1.1	1.4	1.2
Ammonia Nitrogen	mg/L N	0.161	0.211	0.011	0.049	0.110	0.124	0.052	0.014
Nitrate Nitrogen	mg/L N	0.170	0.237	0.016	0.260	0.501	0.040	0.221	0.047
Soluble Phosphorus	mg/L P	0.59	0.63	0.12	0.23	0.47	0.16	0.19	0.09
Total Phosphorus	mg/L P	0.72	0.67	0.14	0.30	0.57	0.18	0.22	0.20
Escherichia coli	MPN/100 mL	110	100	20	110	370	90	40	80
Fecal Coliform	MPN/100 mL	50	110	80	140	520	90	80	120

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

Weather conditions during monitoring:

Wind Direction: South East (SE)
 Wind Speed: 9 km/h
 Cloud Coverage: 95 %
 Precipitation: 17.6 mm
 Air Temperature: 10 °C

Report Date: June 14, 2022