

**City of Winnipeg
Water and Waste Department**

2022 SMALL STREAMS MONITORING

Survey Date: June 30, 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		491867	491869	491872	491864	491862	491870	491871	491856
Temperature	°C	17.5	18.3	17.9	18.4	21.0	18.5	19.0	18.5
pH	units	7.50	7.68	7.13	7.44	7.73	8.18	7.76	7.98
Dissolved Oxygen	mg/L	6.7	7.5	5.8	5.9	6.2	7.8	6.1	6.7
Oxygen Saturation	%	70	80	61	63	70	83	66	71
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	<4	<4
Total Solids	mg/L	594	758	314	376	506	432	466	606
Total Suspended Solids	mg/L	14	24	9	7	35	na	85	3
Turbidity	n.t.u.	20	26	36	11	45	27	25	4
Chlorophyll a	ug/L	3.6	2.7	3.3	2.7	15.1	2.7	6.7	5.8
Total Organic Carbon	mg/L	19.3	18.6	14.9	14.5	18.5	21.4	17.9	14.0
Total Nitrogen	mg/L N	1.0	1.7	1.1	0.9	1.4	0.5	1.0	0.5
Ammonia Nitrogen	mg/L N	0.033	0.087	0.063	0.109	0.135	0.049	0.102	0.069
Nitrate Nitrogen	mg/L N	0.327	1.060	0.596	0.266	0.731	0.040	0.437	0.098
Soluble Phosphorus	mg/L P	0.47	0.43	0.37	0.34	0.78	0.17	0.26	0.35
Total Phosphorus	mg/L P	0.55	0.50	0.44	0.36	0.88	0.21	0.32	0.42
Escherichia coli	MPN/100 mL	100	360	50	60	30	120	160	100
Fecal Coliform	MPN/100 mL	40	510	120	40	30	100	190	30

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

Weather conditions during monitoring:

Wind Direction: North West (NW)
 Wind Speed: 39 km/h
 Cloud Coverage: 80 %
 Precipitation: 5.0 mm
 Air Temperature: 18 °C

Report Date: August 02, 2022