



City of Winnipeg
Water and Waste Department

2023 SMALL STREAMS MONITORING

Survey Date: June 15, 2023 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		579485	579486	579489	579484	579483	579487	579488	579482
Temperature	°C	16.0	18.3	15.1	16.6	20.0	17.6	17.8	16.5
pH	units	7.67	7.87	7.52	7.66	8.09	8.20	8.35	8.83
Dissolved Oxygen	mg/L	8.1	7.2	5.0	7.7	7.6	8.5	8.1	8.0
Oxygen Saturation	%	82	76	49	50	83	89	86	82
Biochemical Oxygen Demand	mg/L	<3	<3	3	4	6	<3	<3	5
Total Solids	mg/L	698	708	578	860	712	418	402	932
Total Suspended Solids	mg/L	8	<3	6	5	22	70	22	20
Turbidity	n.t.u.	9	5	2	8	20	52	23	4
Chlorophyll a	ug/L	5.3	3.3	2.7	1.3	7.3	18.0	6.0	32.0
Total Organic Carbon	mg/L	15.2	15.2	23.3	16.1	17.4	20.4	20.5	14.7
Total Nitrogen	mg/L N	0.9	1.0	1.9	0.8	1.3	0.7	0.8	1.1
Ammonia Nitrogen	mg/L N	0.017	0.084	0.600	0.046	0.097	<0.003	<0.003	<0.003
Nitrate Nitrogen	mg/L N	0.029	0.151	0.028	0.090	0.088	0.010	0.051	0.006
Soluble Phosphorus	mg/L P	0.66	0.77	0.76	0.40	0.36	0.10	0.17	0.15
Total Phosphorus	mg/L P	0.76	0.85	1.04	0.51	0.45	0.19	0.22	0.25
Escherichia coli	MPN/100 mL	230	350	1,900	10	20	110	400	160
Fecal Coliform	MPN/100 mL	120	360	1,380	20	40	120	340	200

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

Weather conditions during monitoring:

Wind Direction: South East (SE)
 Wind Speed: 16 km/h
 Cloud Coverage: 90 %
 Precipitation: 0.2 mm
 Air Temperature: 20 °C

Report Date: November 14, 2023