

City of Winnipeg  
Water and Waste Department

2022 SMALL STREAMS MONITORING

Survey Date: August 11, 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		503182	503183	503186	503180	503179	503184	503185	503178
Temperature	°C	18.3	20.8	16.6	17.6	22.1	19.3	19.3	18.7
pH	units	7.53	8.09	7.63	7.58	8.23	8.20	8.24	7.87
Dissolved Oxygen	mg/L	7.6	9.0	5.6	4.6	8.2	8.2	7.6	5.6
Oxygen Saturation	%	81	100	57	48	95	89	82	59
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	<4	<4
Total Solids	mg/L	670	732	1,100	906	460	424	400	830
Total Suspended Solids	mg/L	5	8	11	11	52	43	22	9
Turbidity	n.t.u.	5	6	5	10	46	39	17	9
Chlorophyll a	ug/L	3.2	7.3	21.9	2.7	24.9	1.3	2.7	3.7
Total Organic Carbon	mg/L	13.2	13.0	11.3	10.6	15.3	19.9	19.2	14.5
Total Nitrogen	mg/L N	0.7	0.9	0.4	0.6	0.9	0.7	0.6	0.8
Ammonia Nitrogen	mg/L N	0.014	0.020	0.050	0.098	0.003	0.011	0.004	0.077
Nitrate Nitrogen	mg/L N	0.026	0.270	0.038	0.189	<0.003	0.038	0.007	0.080
Soluble Phosphorus	mg/L P	0.41	0.39	0.15	0.23	0.65	0.16	0.18	0.79
Total Phosphorus	mg/L P	0.46	0.44	0.23	0.29	0.78	0.20	0.24	0.89
Escherichia coli	MPN/100 mL	160	120	20	120	50	220	100	390
Fecal Coliform	MPN/100 mL	100	70	20	130	80	110	100	440

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

Weather conditions during monitoring:

Wind Direction: South (S)  
 Wind Speed: 14 km/h  
 Cloud Coverage: 10 %  
 Precipitation: <0.1 mm  
 Air Temperature: 21 °C

Report Date: October 07, 2022