



Rivers Monitoring Report
Survey Date: July 11, 2024

Parameter	Unit	Assiniboine River				Red River						
		Headingly Bridge	West Perimeter Bridge	Assiniboine Park Foot Bridge	Main Street Bridge	South Floodway Control	South Perimeter Bridge	Fort Garry Bridge	Norwood Bridge	Redwood Bridge	North Perimeter Bridge	Lockport Bridge
Sample Number		674767	674769	674766	674768	674770	674776	674771	674774	674775	674773	674772
Temperature	° C	25.7	25.7	25.2	24.8	24.5	24.6	25.2	24.2	24.1	23.8	23.9
pH	units	8.27	8.29	8.30	8.30	7.87	7.81	7.84	7.74	7.89	7.90	7.87
Dissolved Oxygen	mg/L	7.9	8.0	8.0	7.9	6.7	6.2	6.4	6.2	6.5	6.4	7.3
Oxygen Saturation	%	95	96	96	93	79	73	77	72	76	75	85
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	3	<3	<3
Total Solids	mg/L	868	886	874	870	792	774	786	772	790	776	842
Total Suspended Solids	mg/L	221	200	198	195	114	124	130	125	125	160	214
Turbidity	n.t.u.	104	103	94	95	78	77	80	95	97	96	114
Chlorophyll a	ug/L	13.4	11.3	14.7	12.7	2.0	3.3	3.3	2.0	4.7	3.2	4.0
Total Organic Carbon	mg/L	14.2	12.9	14.7	13.7	14.1	13.8	13.5	14.0	16.5	13.8	13.6
Total Nitrogen	mg/L N	1.3	1.3	1.3	1.3	2.4	2.5	3.4	2.4	2.7	2.3	2.4
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.026	<0.003
Nitrate Nitrogen	mg/L N	0.348	0.344	0.357	0.369	1.360	1.330	1.350	1.400	1.260	1.270	1.300
Soluble Phosphorus	mg/L P	0.13	0.13	0.14	0.14	0.22	0.23	0.24	0.23	0.22	0.23	0.22
Total Phosphorus	mg/L P	0.23	0.24	0.21	0.24	0.30	0.28	0.28	0.31	0.29	0.31	0.34
Escherichia coli	MPN/100 mL	<10	60	80	<10	10	<10	<10	30	60	20	30
Fecal Coliform	MPN/100 mL	10	50	100	<10	40	20	40	50	30	20	120

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

Weather conditions during monitoring:

Wind Direction: North East (NE)
Wind Speed: 2 km/h
Cloud Coverage: 0 %
Precipitation: <0.1 mm
Air Temperature: 24 °C

Report Date: September 26, 2024