



Rivers Monitoring Report
Survey Date: August 22, 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		685471	685473	685470	685472	685474	685480	685475	685478	685479	685477	685476
Temperature	° C	23.1	22.9	22.6	23.1	23.5	23.4	23.1	23.1	23.2	23.0	23.1
pH	units	8.62	8.60	8.63	8.62	8.35	8.42	8.36	8.37	8.36	8.37	8.43
Dissolved Oxygen	mg/L	8.3	8.4	8.4	7.9	7.8	7.9	7.6	7.8	7.8	7.7	8.6
Oxygen Saturation	%	96	97	96	91	90	92	88	89	90	89	99
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Total Solids	mg/L	768	776	784	744	1,010	1,120	902	984	750	910	866
Total Suspended Solids	mg/L	100	120	118	87	117	99	36	37	38	50	39
Turbidity	n.t.u.	75	72	73	57	108	83	35	29	32	37	34
Chlorophyll a	ug/L	28.7	28.7	31.4	34.7	8.5	9.6	9.6	12.0	14.7	12.7	11.3
Total Organic Carbon	mg/L	13.6	14.3	14.5	13.1	16.9	16.6	15.0	15.2	15.4	14.3	15.7
Total Nitrogen	mg/L N	1.7	1.1	1.1	0.9	1.7	1.7	1.7	1.9	1.6	3.0	1.6
Ammonia Nitrogen	mg/L N	0.004	0.005	0.004	0.006	0.012	0.019	0.016	0.015	0.014	0.252	0.149
Nitrate Nitrogen	mg/L N	0.005	0.004	0.005	<0.004	0.747	0.733	0.715	0.512	0.412	0.505	0.505
Soluble Phosphorus	mg/L P	0.09	0.10	0.10	0.10	0.19	0.19	0.19	0.18	0.17	0.18	0.17
Total Phosphorus	mg/L P	0.20	0.21	0.20	0.16	0.28	0.25	0.21	0.20	0.19	0.21	0.21
Escherichia coli	MPN/100 mL	60	<10	110	20	100	<10	60	10	<10	30	30
Fecal Coliform	MPN/100 mL	40	20	110	90	90	<10	120	20	20	20	30

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

Weather conditions during monitoring:

Wind Direction: North (N)
Wind Speed: 4 km/h
Cloud Coverage: 100 %
Precipitation: <0.1 mm
Air Temperature: 26 °C

Report Date:

February 19, 2025