



Rivers Monitoring Report
Survey Date: September 5, 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		689098	689100	689097	689099	689101	689107	689102	689105	689106	689104	689103
Temperature	° C	20.0	20.0	19.1	20.0	20.8	21.0	21.1	20.8	20.5	19.9	20.7
pH	units	8.67	8.65	8.65	8.65	8.31	8.33	8.35	8.36	8.41	8.37	8.37
Dissolved Oxygen	mg/L	8.7	8.7	8.8	8.4	7.9	8.2	8.4	8.1	8.2	8.4	9.0
Oxygen Saturation	%	95	95	93	90	87	91	93	90	90	91	99
Biochemical Oxygen Demand	mg/L	<3	<3	3	<3	<3	<3	<3	<3	<3	<3	<3
Total Solids	mg/L	748	770	736	706	1,040	1,040	1,120	1,040	932	934	854
Total Suspended Solids	mg/L	113	108	93	56	85	149	146	145	88	50	37
Turbidity	n.t.u.	67	64	59	42	65	100	79	94	67	41	31
Chlorophyll a	ug/L	34.0	34.0	24.7	24.0	14.7	14.7	14.7	12.7	13.4	16.0	10.7
Total Organic Carbon	mg/L	13.7	13.1	12.8	12.6	15.0	13.6	14.9	15.5	15.6	15.3	15.2
Total Nitrogen	mg/L N	0.7	0.6	0.6	0.6	1.1	0.9	1.0	1.3	1.2	1.2	1.2
Ammonia Nitrogen	mg/L N	<0.003	0.006	0.006	0.005	0.022	0.019	0.009	0.018	0.011	0.160	0.143
Nitrate Nitrogen	mg/L N	<0.004	0.008	<0.004	<0.004	0.452	0.406	0.462	0.510	0.467	0.472	0.582
Soluble Phosphorus	mg/L P	0.09	0.14	0.16	0.11	0.19	0.30	0.20	0.21	0.18	0.20	0.20
Total Phosphorus	mg/L P	0.18	0.18	0.19	0.13	0.24	0.33	0.26	0.28	0.21	0.20	0.26
Escherichia coli	MPN/100 mL	50	60	60	20	10	30	70	<10	110	40	170
Fecal Coliform	MPN/100 mL	80	70	80	30	50	20	60	<10	60	90	310

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

Weather conditions during monitoring:

Wind Direction: North-North East (NNE)
Wind Speed: 2 km/h
Cloud Coverage: 100 %
Precipitation: 0.1 mm
Air Temperature: 14 °C

Report Date:

February 18, 2025