



Rivers Monitoring Report
Survey Date: May 14, 2025

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		751226	751228	751225	751227	751229	751235	751230	751233	751234	751232	751231
Temperature	° C	18.9	19.7	18.9	18.5	18.8	18.8	19.1	17.9	17.7	17.5	17.4
pH	units	8.20	8.21	8.25	8.25	8.19	8.14	8.14	8.13	8.15	8.13	8.13
Dissolved Oxygen	mg/L	8.5	8.5	8.7	8.6	8.3	8.3	8.1	8.0	8.2	8.2	9.0
Oxygen Saturation	%	92	92	92	91	88	88	87	83	85	85	93
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	4	<4	5	<4	<4	<4
Total Solids	mg/L	834	886	860	842	870	918	830	910	846	788	944
Total Suspended Solids	mg/L	233	253	256	279	221	218	191	289	193	183	358
Turbidity	n.t.u.	117	123	123	122	144	175	129	184	140	113	209
Chlorophyll a	ug/L	12.0	13.4	10.7	13.4	6.7	6.7	8.0	4.0	8.0	6.7	6.7
Total Organic Carbon	mg/L	15.2	14.0	14.8	14.9	16.4	17.8	17.6	18.2	16.5	14.8	18.7
Total Nitrogen	mg/L N	0.6	0.5	0.5	0.6	1.3	1.5	1.4	1.6	1.2	1.3	1.6
Ammonia Nitrogen	mg/L N	<0.003	<0.003	0.004	0.006	0.009	0.009	0.017	0.019	0.019	0.156	0.193
Nitrate Nitrogen	mg/L N	0.413	0.403	0.431	0.467	1.060	1.080	1.130	1.230	0.976	0.966	1.040
Soluble Phosphorus	mg/L P	0.11	0.11	0.11	0.12	0.11	0.11	0.10	0.11	0.11	0.12	0.13
Total Phosphorus	mg/L P	0.23	0.24	0.26	0.25	0.22	0.24	0.21	0.25	0.23	0.24	0.31
Escherichia coli	MPN/100 mL	20	50	80	30	<10	10	<10	20	70	30	50
Fecal Coliform	MPN/100 mL	30	10	40	60	40	10	10	30	40	50	40

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

Weather conditions during monitoring:

Wind Direction: North (N)
Wind Speed: 17 km/h
Cloud Coverage: 30 %
Precipitation: <0.1 mm
Air Temperature: 14 °C

Report Date:

August 05, 2025