



Rivers Monitoring Report
Survey Date: April 30, 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		747588	747590	747587	747589	747591	747597	747592	747595	747596	747594	747593
Temperature	° C	9.9	9.7	9.8	9.1	10.9	10.6	10.6	9.9	9.5	9.2	9.5
pH	units	8.01	8.02	8.12	8.14	8.25	8.21	8.17	8.32	8.24	8.13	8.18
Dissolved Oxygen	mg/L	10.6	10.5	10.6	10.5	10.4	10.5	10.3	10.2	10.3	10.3	10.9
Oxygen Saturation	%	93	92	92	91	93	93	92	89	89	84	95
Biochemical Oxygen Demand	mg/L	5	<4	<4	<4	<4	<4	<4	7	<4	<4	<4
Total Solids	mg/L	1,120	1,160	1,110	1,160	766	724	716	656	848	812	878
Total Suspended Solids	mg/L	668	656	630	616	195	148	111	97	328	230	366
Turbidity	n.t.u.	379	374	387	359	122	96	80	66	194	169	208
Chlorophyll a	ug/L	13.4	6.7	10.0	10.0	13.4	14.7	13.4	11.6	11.1	11.1	13.4
Total Organic Carbon	mg/L	12.7	13.5	13.5	12.6	11.6	13.0	12.8	12.9	13.3	13.0	12.9
Total Nitrogen	mg/L N	3.2	3.4	3.4	3.5	1.1	1.1	1.4	1.2	2.4	2.8	2.7
Ammonia Nitrogen	mg/L N	0.040	0.038	0.048	0.050	0.021	0.028	0.031	0.035	0.046	0.427	0.273
Nitrate Nitrogen	mg/L N	2.750	2.710	2.790	2.760	0.608	0.653	0.713	0.754	1.860	1.880	1.900
Soluble Phosphorus	mg/L P	0.13	0.20	0.14	0.12	0.09	0.09	0.10	0.09	0.11	0.14	0.13
Total Phosphorus	mg/L P	0.56	0.58	0.67	0.54	0.24	0.23	0.19	0.18	0.35	0.34	0.37
Escherichia coli	MPN/100 mL	<10	10	60	150	20	<10	<10	10	90	1,220	30
Fecal Coliform	MPN/100 mL	30	<10	50	120	20	10	<10	20	50	1,200	60

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

Weather conditions during monitoring:

Wind Direction: South West (SW)
Wind Speed: 5 km/h
Cloud Coverage: 30 %
Precipitation: <0.1 mm
Air Temperature: 10 °C

Report Date:

August 05, 2025