



Rivers Monitoring Report
Survey Date: May 28, 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		755045	755047	755044	755046	755048	755054	755049	755052	755053	755051	755050
Temperature	° C	19.9	19.4	18.8	17.8	18.3	18.8	18.9	18.2	18.0	17.5	17.5
pH	units	8.51	8.53	8.50	8.48	8.31	8.26	8.32	8.24	8.29	8.32	8.25
Dissolved Oxygen	mg/L	10.2	10.3	10.0	9.9	8.9	9.0	9.1	8.9	9.0	8.9	9.9
Oxygen Saturation	%	110	111	107	103	94	96	96	93	94	92	103
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Total Solids	mg/L	960	978	968	932	1,010	876	934	952	920	932	1,040
Total Suspended Solids	mg/L	148	149	147	142	276	120	182	242	187	193	302
Turbidity	n.t.u.	73	74	73	75	160	87	127	140	115	122	183
Chlorophyll a	ug/L	63.2	54.7	58.7	54.3	13.4	12.0	16.0	12.0	20.0	20.0	14.7
Total Organic Carbon	mg/L	14.1	14.6	14.5	13.8	15.8	15.3	15.4	17.8	16.9	15.3	16.9
Total Nitrogen	mg/L N	1.1	1.2	1.7	2.0	2.0	1.9	1.9	2.3	2.5	2.1	2.6
Ammonia Nitrogen	mg/L N	<0.003	0.022	0.008	0.018	0.030	0.022	0.016	0.052	0.059	0.116	0.351
Nitrate Nitrogen	mg/L N	0.012	0.056	0.079	0.134	0.672	0.666	0.678	0.864	0.795	0.741	1.000
Soluble Phosphorus	mg/L P	0.07	0.09	0.08	0.10	0.13	0.12	0.12	0.13	0.16	0.12	0.17
Total Phosphorus	mg/L P	0.22	0.25	0.24	0.28	0.34	0.24	0.27	0.34	0.27	0.28	0.39
Escherichia coli	MPN/100 mL	10	10	130	20	20	20	20	20	40	50	80
Fecal Coliform	MPN/100 mL	10	10	80	40	10	20	30	20	70	40	50

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

Weather conditions during monitoring:

Wind Direction: South (S)
Wind Speed: 12 km/h
Cloud Coverage: 50 %
Precipitation: 0.1 mm
Air Temperature: 25 °C

Report Date:

August 05, 2025