



Rivers Monitoring Report
Survey Date: June 25, 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		762985	762987	762984	762986	762988	762994	762989	762992	762993	762991	762990
Temperature	° C	19.8	19.9	19.7	19.9	21.7	21.4	21.4	21.1	21.1	20.6	21.0
pH	units	8.56	8.59	8.59	8.53	8.49	8.49	8.50	8.47	8.44	8.04	8.33
Dissolved Oxygen	mg/L	9.7	9.9	9.7	8.7	8.2	8.2	8.3	8.4	8.2	8.2	8.9
Oxygen Saturation	%	105	107	104	95	92	92	93	93	91	90	99
Biochemical Oxygen Demand	mg/L	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr	nr
Total Solids	mg/L	924	936	932	876	1,080	1,050	1,060	1,070	1,050	1,050	1,050
Total Suspended Solids	mg/L	101	98	95	55	51	89	84	52	40	36	27
Turbidity	n.t.u.	55	54	55	37	49	35	38	34	26	25	19
Chlorophyll a	ug/L	28.7	27.4	24.7	17.4	24.0	23.4	24.7	12.7	10.7	10.0	4.7
Total Organic Carbon	mg/L	13.1	13.5	12.7	12.1	12.8	14.1	12.7	13.3	12.8	12.6	13.3
Total Nitrogen	mg/L N	0.6	0.5	0.4	0.4	0.8	0.9	0.9	1.4	2.6	1.5	1.6
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	0.085	0.057	0.074	0.059	0.043	0.270	0.239
Nitrate Nitrogen	mg/L N	0.047	<0.004	<0.004	0.014	0.226	0.245	0.264	0.550	0.561	0.714	0.856
Soluble Phosphorus	mg/L P	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.11	0.11	0.15	0.15
Total Phosphorus	mg/L P	0.19	0.21	0.20	0.17	0.18	0.15	0.16	0.17	0.18	0.19	0.18
Escherichia coli	MPN/100 mL	30	10	50	130	<10	20	20	10	70	170	110
Fecal Coliform	MPN/100 mL	30	10	70	120	40	10	20	40	110	160	90

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

Weather conditions during monitoring:

Wind Direction: North East (NE)

Wind Speed: 7 km/h

Cloud Coverage: 90 %

Precipitation: 2.3 mm

Air Temperature: 19 °C

Report Date:

August 07, 2025