



Rivers Monitoring Report
Survey Date: September 3, 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		781362	781364	781361	781363	781366	781372	781367	781370	781371	781369	781368
Temperature	° C	17.1	17.4	16.6	18.2	20.1	19.6	19.8	20.0	20.1	19.6	20.4
pH	units	8.43	8.42	8.42	8.35	8.32	8.31	8.29	8.24	8.26	8.19	8.17
Dissolved Oxygen	mg/L	8.4	8.5	8.7	7.6	8.3	8.2	8.1	7.9	7.7	7.7	9.1
Oxygen Saturation	%	86	88	89	80	90	89	87	86	84	83	99
Biochemical Oxygen Demand	mg/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Total Solids	mg/L	700	728	702	734	1,130	1,070	1,040	944	888	916	914
Total Suspended Solids	mg/L	39	41	46	54	61	77	43	54	40	36	29
Turbidity	n.t.u.	28	30	31	38	40	50	30	31	22	19	18
Chlorophyll a	ug/L	21.4	19.6	18.7	22.3	8.0	7.1	6.2	4.5	6.2	5.3	3.6
Total Organic Carbon	mg/L	12.9	12.3	12.5	12.8	14.3	15.6	14.4	14.1	13.9	14.5	14.6
Total Nitrogen	mg/L N	0.6	0.7	0.7	0.8	1.6	1.7	1.7	1.3	1.3	1.6	1.6
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	<0.003	0.019	0.014	0.300	0.259
Nitrate Nitrogen	mg/L N	0.008	0.009	0.008	0.011	0.998	0.948	0.883	0.797	0.644	0.637	0.722
Soluble Phosphorus	mg/L P	0.16	0.17	0.18	0.17	0.26	0.30	0.29	0.30	0.28	0.32	0.32
Total Phosphorus	mg/L P	0.27	0.28	0.28	0.29	0.32	0.35	0.32	0.33	0.33	0.35	0.34
Escherichia coli	MPN/100 mL	100	130	80	180	<10	40	<10	20	50	40	50
Fecal Coliform	MPN/100 mL	160	180	160	240	10	70	<10	30	70	50	150

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

Weather conditions during monitoring:

Wind Direction: North (N)
 Wind Speed: 7 km/h
 Cloud Coverage: 100 %
 Precipitation: <0.1 mm
 Air Temperature: 10 °C

Report Date:

November 28, 2025