



Rivers Monitoring Report
Survey Date: August 8, 2024

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		681957	681959	681956	681958	681960	681966	681961	681964	681965	681963	681962
Temperature	° C	20.0	20.2	19.8	20.1	21.6	21.2	21.0	21.7	21.3	21.4	21.9
pH	units	8.61	8.58	8.60	8.52	8.10	8.23	8.15	8.10	8.31	8.24	8.20
Dissolved Oxygen	mg/L	8.5	8.5	8.5	8.3	7.5	7.5	7.7	7.4	7.5	7.6	8.5
Oxygen Saturation	%	92	93	91	90	84	83	85	83	83	84	96
Biochemical Oxygen Demand	mg/L	6	<3	<3	<3	<3	nr	<3	<3	nr	<3	<3
Total Solids	mg/L	806	804	792	810	948	962	922	1,000	898	778	758
Total Suspended Solids	mg/L	165	197	188	189	290	274	289	375	164	135	120
Turbidity	n.t.u.	102	102	107	105	223	214	209	251	165	97	91
Chlorophyll a	ug/L	22.3	24.9	26.7	23.1	2.7	3.6	2.7	2.7	8.9	8.0	5.3
Total Organic Carbon	mg/L	14.2	15.5	13.6	14.6	17.9	17.2	18.5	16.5	16.0	16.0	15.7
Total Nitrogen	mg/L N	1.4	1.9	0.9	2.1	3.4	2.7	1.6	2.7	1.3	1.7	2.9
Ammonia Nitrogen	mg/L N	<0.003	0.003	<0.003	<0.003	<0.003	0.006	0.003	0.005	0.004	0.182	0.094
Nitrate Nitrogen	mg/L N	<0.004	<0.004	<0.004	<0.004	0.606	0.603	0.608	0.627	0.497	0.595	0.656
Soluble Phosphorus	mg/L P	0.09	0.09	0.09	0.09	0.17	0.16	0.17	0.17	0.15	0.18	0.19
Total Phosphorus	mg/L P	0.25	0.24	0.28	0.25	0.32	0.30	0.35	0.35	0.30	0.24	0.24
Escherichia coli	MPN/100 mL	20	<10	20	20	<10	10	20	10	60	40	<10
Fecal Coliform	MPN/100 mL	20	10	30	20	20	10	20	40	50	40	<10

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

Weather conditions during monitoring:

Wind Direction: North (N)
Wind Speed: 18 km/h
Cloud Coverage: 90 %
Precipitation: 0.1 mm
Air Temperature: 13 °C

Report Date:

February 19, 2025