



Rivers Monitoring Report
Survey Date: November 14, 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		706767	706769	706766	706768	706770	706776	706771	706774	706775	706773	706772
Temperature	° C	3.7	3.7	3.8	3.5	5.1	5.1	5.0	4.9	4.7	5.5	4.9
pH	units	8.64	8.64	8.62	8.57	8.58	8.55	8.56	8.57	8.59	8.36	8.45
Dissolved Oxygen	mg/L	14.2	14.3	14.2	14.1	13.3	13.3	13.3	13.2	13.5	13.2	13.9
Oxygen Saturation	%	107	107	107	106	104	104	104	103	104	104	108
Biochemical Oxygen Demand	mg/L	nr	nr	nr	nr	nr	<3	nr	<3	<3	nr	nr
Total Solids	mg/L	784	768	762	756	1,230	824	838	786	746	740	774
Total Suspended Solids	mg/L	55	48	43	37	40	41	33	30	33	24	32
Turbidity	n.t.u.	34	33	30	29	37	43	42	30	27	20	25
Chlorophyll a	ug/L	38.4	45.9	48.1	46.5	7.5	8.0	8.0	7.5	17.6	17.1	12.8
Total Organic Carbon	mg/L	9.5	10.3	9.9	10.7	14.7	14.4	14.2	13.8	12.7	13.4	12.5
Total Nitrogen	mg/L N	1.0	1.2	1.0	1.2	1.8	2.0	1.9	1.9	1.6	2.4	2.3
Ammonia Nitrogen	mg/L N	0.003	<0.003	<0.003	0.006	0.028	0.041	0.066	0.069	0.069	0.741	0.479
Nitrate Nitrogen	mg/L N	0.123	0.106	0.112	0.128	0.542	0.551	0.588	0.585	0.442	0.494	0.527
Soluble Phosphorus	mg/L P	0.05	0.05	0.05	0.06	0.13	0.13	0.13	0.12	0.08	0.19	0.14
Total Phosphorus	mg/L P	0.15	0.13	0.17	0.16	0.20	0.19	0.17	0.17	0.15	0.22	0.21
Escherichia coli	MPN/100 mL	30	10	20	100	10	50	10	<10	160	100	20
Fecal Coliform	MPN/100 mL	<10	10	10	90	10	30	30	10	100	40	100

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

Weather conditions during monitoring:

Wind Direction: East-South East (ESE)
Wind Speed: 6 km/h
Cloud Coverage: 100 %
Precipitation: <0.1 mm
Air Temperature: 3 °C

Report Date:

February 14, 2025