



Rivers Monitoring Report
Survey Date: October 3, 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		696024	696026	696023	696025	696027	696033	696028	696031	696032	696030	696029
Temperature	° C	12.0	11.9	11.3	12.4	14.2	14.2	14.0	14.5	14.2	14.0	14.7
pH	units	8.65	8.65	8.65	8.68	8.39	8.38	8.36	8.29	8.40	8.25	8.23
Dissolved Oxygen	mg/L	10.6	10.7	10.6	10.2	9.0	9.0	9.0	8.6	9.0	8.7	9.5
Oxygen Saturation	%	97	98	95	94	87	87	86	83	86	83	92
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Total Solids	mg/L	788	830	732	786	690	540	606	644	668	668	590
Total Suspended Solids	mg/L	103	100	98	79	67	53	37	33	30	28	22
Turbidity	n.t.u.	63	68	66	53	53	41	34	25	28	24	20
Chlorophyll a	ug/L	43.3	41.1	43.3	40.1	10.7	8.0	5.9	3.2	11.2	3.2	18.7
Total Organic Carbon	mg/L	10.6	10.5	11.1	11.8	13.8	13.4	13.7	13.1	13.3	12.7	11.8
Total Nitrogen	mg/L N	0.8	0.8	0.8	0.9	1.2	1.2	1.4	1.6	1.2	2.1	1.6
Ammonia Nitrogen	mg/L N	<0.003	<0.003	<0.003	<0.003	0.018	0.018	0.098	0.118	0.066	na	0.326
Nitrate Nitrogen	mg/L N	0.039	0.019	0.010	0.011	0.283	0.271	0.341	0.363	0.252	na	0.404
Soluble Phosphorus	mg/L P	0.09	0.09	0.08	0.09	0.25	0.25	0.27	0.27	0.22	na	0.29
Total Phosphorus	mg/L P	0.20	0.19	0.21	0.18	0.30	0.38	0.30	0.29	0.26	0.32	0.31
Escherichia coli	MPN/100 mL	420	470	80	420	140	<10	50	70	<10	70	80
Fecal Coliform	MPN/100 mL	510	550	20	490	180	10	60	20	10	60	80

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

Weather conditions during monitoring:

Wind Direction: West-South West (WSW)
Wind Speed: 13 km/h
Cloud Coverage: 0 %
Precipitation: 2.2 mm
Air Temperature: 7 °C

Report Date:

February 14, 2025