



Rivers Monitoring Report
Survey Date: October 17, 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		699471	699473	699470	699472	699474	699480	699475	699478	699479	699477	699476
Temperature	° C	7.9	8.0	7.8	8.4	10.1	10.2	11.0	10.0	9.7	10.0	9.9
pH	units	8.66	8.71	8.60	8.64	8.66	8.61	8.61	8.51	8.53	8.49	8.42
Dissolved Oxygen	mg/L	12.7	12.7	12.7	12.3	11.8	11.6	11.4	11.2	11.6	11.5	11.8
Oxygen Saturation	%	106	106	105	104	103	102	102	98	101	100	103
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Total Solids	mg/L	760	786	746	732	876	824	818	790	760	768	932
Total Suspended Solids	mg/L	74	80	74	60	76	48	30	10	21	20	9
Turbidity	n.t.u.	43	46	43	36	49	32	23	13	16	15	11
Chlorophyll a	ug/L	37.9	40.6	43.8	51.3	13.9	12.8	7.5	6.9	18.7	15.5	6.4
Total Organic Carbon	mg/L	11.4	11.3	11.9	12.0	14.3	12.1	13.1	13.1	9.8	13.7	12.4
Total Nitrogen	mg/L N	0.8	1.0	0.8	0.9	1.2	1.1	1.5	1.4	1.0	1.5	1.8
Ammonia Nitrogen	mg/L N	<0.003	0.005	0.003	<0.003	0.033	0.022	0.090	0.408	0.042	0.600	0.409
Nitrate Nitrogen	mg/L N	0.183	0.158	0.120	0.054	0.349	0.327	0.531	0.475	0.406	0.512	0.478
Soluble Phosphorus	mg/L P	0.05	0.06	0.04	0.05	0.12	0.16	0.17	0.19	0.16	0.16	0.17
Total Phosphorus	mg/L P	0.19	0.21	0.20	0.19	0.25	0.25	0.27	0.26	0.24	0.28	0.26
Escherichia coli	MPN/100 mL	80	110	230	330	110	40	<10	20	110	60	100
Fecal Coliform	MPN/100 mL	50	120	140	330	60	40	90	20	140	140	60

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: 3 km/h
Cloud Coverage: 0 %
Precipitation: <0.1 mm
Air Temperature: 10 °C

Report Date:

February 14, 2025