



Rivers Monitoring Report
Survey Date: September 19, 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		692564	692566	692563	692565	692567	692573	692568	692571	692572	692570	692569
Temperature	° C	19.6	19.8	19.8	20.2	20.0	20.1	20.5	19.7	19.9	20.2	20.2
pH	units	8.63	8.60	8.57	8.53	8.07	8.16	8.26	8.17	8.24	8.38	8.24
Dissolved Oxygen	mg/L	9.2	9.2	8.9	8.6	7.3	7.0	7.6	7.1	7.1	8.3	8.9
Oxygen Saturation	%	99	100	96	94	79	77	84	77	77	90	97
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	3	3	<3	3	<3	<3	<3
Total Solids	mg/L	758	768	756	696	726	796	812	1,090	720	810	772
Total Suspended Solids	mg/L	111	114	114	57	206	302	257	613	156	52	48
Turbidity	n.t.u.	61	67	67	36	173	199	194	480	125	33	36
Chlorophyll a	ug/L	28.0	44.1	40.1	36.7	8.0	12.0	13.4	10.7	14.7	14.7	6.7
Total Organic Carbon	mg/L	14.6	13.8	14.3	13.9	18.2	18.9	16.2	20.1	15.6	14.9	15.3
Total Nitrogen	mg/L N	1.1	1.0	1.1	1.6	1.9	2.0	1.7	2.1	1.7	1.3	1.9
Ammonia Nitrogen	mg/L N	0.004	0.050	0.005	0.005	0.038	0.039	0.048	0.096	0.080	0.147	0.485
Nitrate Nitrogen	mg/L N	0.025	0.053	0.041	0.096	0.824	0.726	0.669	0.833	0.849	0.343	0.511
Soluble Phosphorus	mg/L P	0.11	0.12	0.10	0.10	0.39	0.37	0.37	0.27	0.22	0.17	0.19
Total Phosphorus	mg/L P	0.26	0.22	0.26	0.21	0.60	0.67	0.63	0.81	0.42	0.24	0.27
Escherichia coli	MPN/100 mL	310	550	480	2,910	3,870	4,610	2,480	3,650	1,270	6,490	>24,200
Fecal Coliform	MPN/100 mL	290	460	460	2,490	6,870	9,800	4,110	6,130	1,250	5,790	24,200

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

Weather conditions during monitoring:

Wind Direction: West (W)
Wind Speed: 8 km/h
Cloud Coverage: 100 %
Precipitation: 10.8 mm
Air Temperature: 20 °C

Report Date:

February 18, 2025