



Rivers Monitoring Report
Survey Date: July 25, 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		678268	678270	678267	678269	678271	678277	678272	678275	678276	678274	678273
Temperature	° C	24.8	24.7	24.2	24.0	25.5	25.7	25.9	24.9	24.7	24.4	24.7
pH	units	8.42	8.44	8.40	8.43	8.07	8.09	8.06	8.09	8.19	8.05	8.16
Dissolved Oxygen	mg/L	8.5	8.5	8.4	8.1	6.8	6.8	6.9	6.6	7.0	7.0	8.3
Oxygen Saturation	%	101	101	98	95	82	83	84	78	83	83	98
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Total Solids	mg/L	806	842	892	808	1,160	1,170	1,100	1,190	1,080	916	1,050
Total Suspended Solids	mg/L	192	191	178	173	295	231	243	254	227	117	220
Turbidity	n.t.u.	84	95	92	95	170	143	151	155	143	72	130
Chlorophyll a	ug/L	45.4	40.1	41.8	31.2	2.7	3.6	3.6	4.0	10.0	10.0	7.3
Total Organic Carbon	mg/L	15.0	14.9	15.9	15.8	17.7	18.6	19.0	18.7	18.5	15.6	18.9
Total Nitrogen	mg/L N	1.2	1.0	1.2	1.1	2.1	2.1	2.2	2.2	2.0	2.0	2.1
Ammonia Nitrogen	mg/L N	<0.003	0.006	<0.003	0.014	0.005	0.003	0.005	0.015	0.004	0.124	0.053
Nitrate Nitrogen	mg/L N	0.054	0.052	0.071	0.130	0.955	0.958	0.999	1.060	0.836	0.957	1.030
Soluble Phosphorus	mg/L P	0.13	0.12	0.13	0.16	0.20	0.20	0.21	0.21	0.19	0.21	0.24
Total Phosphorus	mg/L P	0.28	0.31	0.30	0.31	0.41	0.37	0.39	0.37	0.35	0.29	0.36
Escherichia coli	MPN/100 mL	20	20	30	80	10	<10	10	20	40	50	200
Fecal Coliform	MPN/100 mL	10	30	50	140	20	<10	<10	10	70	50	290

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

Weather conditions during monitoring:

Wind Direction: South-South West (SSW)
Wind Speed: 4 km/h
Cloud Coverage: 0 %
Precipitation: <0.1 mm
Air Temperature: 25 °C

Report Date:

October 01, 2024