



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		656893	656895	656892	656894	656896	656902	656897	656900	656901	656899	656898
Temperature	°C	10.7	10.8	10.7	10.7	10.8	10.6	10.8	10.7	10.5	10.7	10.9
pH	units	8.16	8.08	8.08	8.14	8.39	8.29	8.33	8.33	8.25	8.18	8.17
Dissolved Oxygen	mg/L	10.3	10.3	10.4	10.4	10.6	10.6	10.6	10.5	10.4	10.3	10.8
Oxygen Saturation	%	92	92	93	93	95	94	95	93	92	92	96
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Total Solids	mg/L	758	734	728	756	818	794	786	812	796	724	816
Total Suspended Solids	mg/L	252	342	352	377	72	44	45	31	206	151	270
Turbidity	n.t.u.	169	163	174	179	47	40	34	25	133	111	141
Chlorophyll a	ug/L	17.4	12.0	14.0	14.7	15.4	15.4	12.7	9.3	11.3	10.0	8.7
Total Organic Carbon	mg/L	10.6	9.8	12.1	10.1	11.0	10.8	11.2	12.0	10.6	10.3	10.7
Total Nitrogen	mg/L N	1.4	1.0	1.9	1.0	1.2	1.3	1.5	1.6	1.6	1.4	1.6
Ammonia Nitrogen	mg/L N	0.003	0.014	0.015	0.019	<0.003	<0.003	0.006	0.003	0.011	0.208	0.283
Nitrate Nitrogen	mg/L N	0.245	0.241	0.245	0.255	0.471	0.480	0.542	0.668	0.389	0.429	0.431
Soluble Phosphorus	mg/L P	0.08	0.09	0.10	0.08	0.08	0.08	0.10	0.08	0.09	0.14	0.11
Total Phosphorus	mg/L P	0.35	0.39	0.37	0.41	0.16	0.14	0.16	0.13	0.35	0.31	0.38
Escherichia coli	MPN/100 mL	<10	10	10	20	10	<10	<10	10	<10	<10	50
Fecal Coliform	MPN/100 mL	10	<10	20	10	<10	<10	<10	<10	<10	<10	40

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

Weather conditions during monitoring:

Wind Direction: South-South East (SSE)  
 Wind Speed: 8 km/h  
 Cloud Coverage: 100 %  
 Precipitation: 15.2 mm  
 Air Temperature: 10 °C

Report Date:

June 06, 2024