



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		660312	660314	660311	660313	660315	660321	660316	660319	660320	660318	660317
Temperature	°C	15.0	14.8	14.1	13.8	15.8	15.8	16.1	14.1	14.2	14.2	14.1
pH	units	8.33	8.27	8.32	8.37	8.23	8.14	8.24	8.16	8.32	8.31	8.17
Dissolved Oxygen	mg/L	9.8	9.8	9.9	9.8	8.7	8.6	8.7	8.6	9.1	9.0	9.7
Oxygen Saturation	%	97	96	95	94	87	86	87	83	87	87	93
Biochemical Oxygen Demand	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Total Solids	mg/L	760	728	736	734	1,390	1,330	1,390	1,330	1,190	1,050	1,240
Total Suspended Solids	mg/L	169	179	189	184	317	211	282	220	267	11	287
Turbidity	n.t.u.	82	87	87	83	155	126	171	175	156	102	149
Chlorophyll a	ug/L	6.7	13.4	10.7	2.7	10.7	8.0	2.7	6.7	2.7	1.3	8.0
Total Organic Carbon	mg/L	12.3	12.1	11.7	12.9	13.3	13.9	14.9	13.4	13.6	13.9	14.1
Total Nitrogen	mg/L N	1.1	1.1	1.1	1.1	2.7	2.8	3.0	2.9	2.4	2.3	2.5
Ammonia Nitrogen	mg/L N	0.006	<0.003	0.004	<0.003	0.020	0.023	<0.003	0.029	<0.003	0.004	0.202
Nitrate Nitrogen	mg/L N	0.305	0.295	0.295	0.287	1.790	1.830	1.910	1.890	1.360	1.320	1.270
Soluble Phosphorus	mg/L P	0.10	0.10	0.11	0.10	0.09	0.09	0.10	0.10	0.10	0.10	0.11
Total Phosphorus	mg/L P	0.18	0.19	0.18	0.20	0.24	0.22	0.24	0.25	0.23	0.18	0.28
Escherichia coli	MPN/100 mL	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10
Fecal Coliform	MPN/100 mL	20	<10	40	<10	20	10	10	10	10	10	20

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

Weather conditions during monitoring:

Wind Direction: SSE
 Wind Speed: 3 km/h
 Cloud Coverage: 80 %
 Precipitation: 11.0 mm
 Air Temperature: 15 °C

Report Date:

June 12, 2024