

		Assiniboine River Sampling Locations			Red River Sampling Locations						
		Headingley Bridge	Assiniboine Park Bridge	Osborne Street Bridge	St. Adolphe Pierre Delorme Bridge	Fort Garry Bridge	Queen Elizabeth Way Bridge	Provencher Bridge	Harry Lazarenko Bridge	North Perimeter Bridge	St. Andrew's Lock and Dam Bridge
Parameter	Unit	R1	R3	RX1	R5	R7	R8	RX2	R9	R10	R11
Temperature ^{1,2}	° C	12.8	11.3	10.8	11.2	10.9	11.0	11.4	11.1	11.0	NSACC
Dissolved Oxygen ^{1,2}	mg/L	9.29	9.26	9.86	7.82	9.40	8.51	8.96	8.31	9.74	NSACC
pH ^{1,2}	units	8.18	8.35	8.10	8.51	8.43	8.47	8.34	8.42	8.31	NSACC
Ammonia ³	mg/L N	0.007	0.010	0.012	<0.003	0.009	0.004	0.022	0.017	0.164	NSACC
Biochemical Oxygen Demand ³	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	NSACC
Nitrate+Nitrite Nitrogen	mg/L	0.214	0.229	0.222	0.341	0.494	0.533	0.341	0.327	0.333	NSACC
Total Suspended Solids ³	mg/L	310.0	297.1	320.0	58.9	41.0	32.0	247.5	246.7	183.3	NSACC
Total Kjeldahl Nitrogen ⁵	mg/L	0.9	0.9	0.8	1.1	1.0	1.0	0.7	0.7	1.2	NSACC
Total Nitrogen ³	mg/L N	1.08	1.11	1.07	1.47	1.50	1.53	1.01	1.03	1.55	NSACC
Total Phosphorus ³	mg/L P	0.2980	0.2835	0.3192	0.1591	0.1245	0.1126	0.2547	0.2688	0.2614	NSACC
Escherichia Coliform ^{2,4}	MPN/100 mL	2	10	32	6	14	78	37	68	729	NSACC
Survey Date:		Friday, May 3, 2024									
Time:		1:10 PM	1:50 PM	3:30 PM	12:51 PM	1:38 PM	2:27 PM	3:43 PM	3:00 PM	4:26 PM	-

Notes:

CSO = Combined Sewer Overflow
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- 1) Field analysed parameter
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2023 - 2024 RIVER MONITORING REPORT

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Parameter	Unit	R1	R3	RX1	R5	R7	R8	RX2	R9	R10	R11	
Temperature ^{1,2}	° C	9.6	10.9	12.0	10.7	9.8	10.9	10.6	11.8	10.9	NSACC	
Dissolved Oxygen ^{1,2}	mg/L	10.48	9.07	8.45	8.43	9.38	7.98	8.54	8.47	8.94	NSACC	
pH ^{1,2}	units	8.34	8.32	8.42	8.21	8.19	8.11	8.07	7.94	7.93	NSACC	
Ammonia ³	mg/L N	0.011	0.018	0.095	<0.003	<0.003	0.009	0.012	0.013	0.039	NSACC	
Biochemical Oxygen Demand ³	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	NSACC	
Nitrate+Nitrite Nitrogen	mg/L	0.212	0.208	0.215	0.276	0.422	0.480	0.249	0.296	0.315	NSACC	
Total Suspended Solids ³	mg/L	356.0	342.0	358.0	91.0	43.6	30.7	308.0	234.0	210.0	NSACC	
Total Kjeldahl Nitrogen ⁵	mg/L	0.8	0.8	1.0	0.7	0.9	0.7	1.1	1.0	1.3	NSACC	
Total Nitrogen ³	mg/L N	1.06	1.01	1.24	1.02	1.27	1.20	1.39	1.32	1.63	NSACC	
Total Phosphorus ³	mg/L P	0.3306	0.2984	0.3296	0.1589	0.1208	0.1101	0.2673	0.2560	0.2733	NSACC	
Escherichia Coliform ^{2,4}	MPN/100 mL	1	5	9	<10	6	21	13	24	38	NSACC	
Survey Date:	Saturday, May 4, 2024	Time:	9:10 AM	9:51 AM	11:06 AM	8:30 AM	9:40 AM	10:40 AM	11:20 AM	12:10 PM	12:50 PM	-

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Parameter	Unit	R1	R3	RX1	R5	R7	R8	RX2	R9	R10	R11
Temperature ^{1,2}	° C	12.7	12.9	15.5	10.5	11.5	13.3	15.0	20.1	19.9	NSACC
Dissolved Oxygen ^{1,2}	mg/L	8.25	8.29	6.98	9.66	9.54	8.16	7.54	5.06	5.25	NSACC
pH ^{1,2}	units	8.28	8.36	8.45	8.32	8.25	8.55	8.54	8.43	8.50	NSACC
Ammonia ³	mg/L N	0.006	0.044	0.050	<0.003	<0.003	<0.003	0.045	0.028	0.083	NSACC
Nitrate+Nitrite Nitrogen	mg/L	0.195	0.192	0.180	0.229	0.314	0.403	0.260	0.253	0.282	NSACC
Biochemical Oxygen Demand ³	mg/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	NSACC
Total Suspended Solids ³	mg/L	332.0	246.0	330.0	96.7	52.8	37.6	258.0	212.0	156.0	NSACC
Total Kjeldahl Nitrogen ⁵	mg/L	1.1	0.8	0.8	0.8	1.1	1.1	1.7	0.9	1.2	NSACC
Total Nitrogen ³	mg/L N	1.31	0.95	1.03	1.03	1.38	1.55	1.97	1.15	1.47	NSACC
Total Phosphorus ³	mg/L P	0.3283	0.3124	0.3091	0.1555	0.1311	0.1147	0.2761	0.2349	0.2241	NSACC
Escherichia Coliform ^{2,4}	MPN/100 mL	2	4	8	8	9	18	14	34	32	NSACC
Survey Date: Sunday, May 5, 2024		Time:			8:27 AM	9:11 AM	9:57 AM	10:36 AM	10:56 AM	11:31 AM	-
		9:20 AM	10:10 AM	12:00 PM							

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