

**City of Winnipeg
Water and Waste Department**

2007 RIVERS SURVEY MONITORING REPORT

Survey Date ¹ : June 28, 2007		Assiniboine River Sampling Locations				Red River Sampling Locations					
Parameter	Unit	ASSINIBOINE PARK FOOT BRIDGE	HEADINGLY BRIDGE	MAIN STREET BRIDGE	WEST PERIMETER BRIDGE	SOUTH FLOODWAY ⁴ CONTROL	FORT GARRY BRIDGE	NORWOOD BRIDGE	REDWOOD BRIDGE	NORTH PERIMETER BRIDGE	LOCKPORT BRIDGE
Temperature	° C	27.8	26.4	26.0	26.4	29.0	29.5	27.7	25.7	24.7	26.7
Dissolved Oxygen	mg/L	9.0	9.1	7.4	9.1	7.0	6.4	6.4	6.9	8.7	7.3
Oxygen Saturation ²	%	116	114	92	114	92	85	82	86	106	92
pH	units	8.15	8.26	7.75	8.25	7.59	7.65	7.71	7.75	8.21	7.78
Total Solids	mg/L	753	763	717	760	493	500	540	573	540	553
Total Suspended Solids	mg/L	60	234	150	188	158	170	178	180	192	188
Turbidity	n.t.u.	na	na	na	na	na	na	na	na	na	na
Total Organic Carbon	mg/L	na	na	na	na	na	na	na	na	na	na
Chlorophyll a	ug/L	16	18	19	19	10	5	3	5	2	7
Ammonia Nitrogen	mg/L N	0.09	0.09	0.13	0.11	0.08	0.09	0.11	0.12	0.17	0.32
Nitrate Nitrogen	mg/L N	0.37	0.36	0.41	0.37	0.51	0.51	0.53	0.54	0.56	0.57
Total Kheldahl Nitrogen	mg/L N	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Nitrogen ²	mg/L N	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Phosphate	mg/L N	0.18	0.14	0.18	0.14	0.25	0.24	0.23	0.24	0.22	0.23
Total Phosphorus	mg/L P	0.4	0.4	0.3	0.4	0.5	0.5	0.5	0.4	0.5	0.5
Eshcerichia Coliform ³	col./100 mL	170	110	140	220	33	31	22	49	13	49
Fecal Coliform ³	col./100 mL	350	110	280	540	33	95	49	130	70	49

Notes: 1) LIMS Reference No: 17479
 2) Calculated values
 3) Analyzed by contract laboratory.
 All other parameters analysed by the Analytical Services Branch of Environmental Standards Division.

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