

CHEMICAL DATA - Analytes tested for in a lab, 2007 - MVTL, New Ulm

RR1 - Primary Lower Redwood River at Redwood CR17 near Redwood Falls - Non-impacted stream/Western Corn Belt Plains

STORET CODE - S001-679

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI /100mL	TURBIDITY NTU	CHLOR-A
					SAMPLE ID #									
Base Flow	Grab	1/26/2007	9:45	17.00	07-A3146	5		1.5	3.58	1.400	1.470		8	46.5
Base Flow	Grab	2/21/2007	11:15	11.00	07-A5761	13		1.9	4.1	1.880	1.940		9	6.6
Snow Melt	Grab	3/13/2007	10:30		07-A8132	290	48	6.3	2.53	1.250	2.130		150	
Snow Melt	Grab	3/16/2007	11:45		07-A8881	125	18	3.6	2.44	0.660	0.905		86	
Snow Melt	Grab	3/19/2007	9:20	1683.50	07-A8970	79	12	3.0	2.74	0.343	0.541		74	
Storm Flow	Grab	4/2/2007	9:10	782.87	07-A11040	158	17		7.29	0.238	0.388	1000	100	
Storm Flow	Grab	4/4/2007	9:50	800.68	07-A11498	143	16		7.6	0.193	0.311		78	
E. Coli	Grab	4/9/2007	9:25	492.92	07-A12221							55		
Snow Melt	Grab	4/16/2007	9:45	514.83	07-A13500	100	15		6.75	0.167	0.300	1	50	
Base Flow	Grab	4/20/2007	9:30	503.82	07-A14995	92	13		6.52	0.131	0.266	120	48	
E. Coli	Grab	4/30/2007	9:15	474.99	07-A16527							1		
Base Flow	Grab	5/3/2007	9:20	389.73	07-A17427	51	6		5.14	0.139	0.231	52.8	31	12.3
Storm Flow	Grab	5/8/2007	8:30	567.56	07-A18166	65	11		11.10	0.145	0.261		35	
E. Coli	Grab	5/10/2007	9:05	503.82	07-A19121							68.2		
E. Coli	Grab	5/17/2007	9:05	288.14	07-A20501							69.1		
E. Coli	Grab	5/23/2007	9:10	217.50	07-A21560							224.7		
Base Flow	Grab	5/29/2007	8:45	163.82	07-A22690	16	6		5.96	0.150	0.198	131.4	15	
E. Coli	Dup	5/29/2007	8:45	163.82	07-A22695							155.3		
E. Coli	Grab	6/1/2007	9:30	147.93	07-A23695							290.9		
Storm Flow	Grab	6/4/2007	10:15	389.73	07-A24010	216	38		10.9	0.225	0.354		81	
E. Coli	Grab	6/7/2007	9:05	299.77	07-A25025							193.5		
E. Coli	Grab	6/13/2007	8:55	198.59	07-A26030							387.3		
Storm Flow	Grab	6/18/2007	9:15	251.33	07-A26737	119	17		6.11	0.318	0.441		33	
E. Coli	Grab	6/20/2007	9:00	214.27	07-A27382							325.5		
E. Coli	Grab	6/28/2007	9:05	84.30	07-A29095							178.2		
E. Coli	Grab	6/28/2007	9:05	84.30	07-A29096							214.2		
Base Flow	Grab	7/5/2007	8:40	56.51	07-A29890	17	4		1.16	0.367	0.436	156.5	18	
E. Coli	Grab	7/11/2007	8:50	38.43	07-A31253							93.2		
E. Coli	Grab	7/20/2007	9:15	30.92	07-A33216							24.1		
E. Coli	Grab	7/23/2007	9:00	25.24	07-A33448							14.8		
Base Flow	Grab	7/26/2007	8:50	21.03	07-A34265	57	17		<0.2(non-detect)	0.164	0.429	37.3	51	
E. Coli	Grab	8/2/2007	9:20	11.58	07-A35434							14.6		
Base Flow	Grab	8/8/2007	9:20	27.06	07-A36413	60	20		0.65	0.312	0.460	204.6	48	

CHEMICAL DATA - Analytes tested for in a lab, 2007 - MVTL, New Ulm (Continued)

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STORET CODE - S001-679

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB		TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI /100mL	TURBIDITY NTU	CHLOR-A
					SAMPLE ID #										
E.Coli	Grab	8/16/2007	9:10	12.15	07-A37974								63.5		
Storm Flow	Grab	8/20/2007	8:55	303.71	07-A38417		134	22		2.56	0.533	0.783		100	
Storm Flow	Grab	8/23/2007	9:00	119.00	07-A39289		77	12		2.36	0.377	0.545	613.1	59	
E.Coli	Grab	8/23/2007	9:00	119.00	07-A39291								920.8		
E.Coli	Grab	8/29/2007	9:40	59.43	07-A40074								547.5		
Base Flow	Grab	9/6/2007	8:45	26.14	07-A41543		57	15		<0.2(non-detect)	0.117	0.271		37	
E.Coli	Grab	9/7/2007	9:05	28.00	07-A41829								185		
E.Coli	Grab	9/12/2007	9:20	22.66	07-A42561								107.6		
E.Coli	Grab	9/19/2007	9:10	36.18	07-A43894								547.5		
E.Coli	Grab	9/24/2007	8:55	24.36	07-A44550								110.6		
E. Coli	Grab	9/27/2007	9:20	37.30	07-A45325								198.9		
E. Coli	Grab	10/5/2007	10:00	121.27	07-A47285								>2419.6		
Storm Flow	Grab	10/9/2007	9:00	323.88	07-A47595		86	16		9.85	0.437	0.626	2419.6	63	
Storm Flow	Grab	10/18/2007	8:50	474.99	07-A49680		162	21		9.8	0.287	0.508	980.4	94	
Storm Flow	Grab	10/24/2007	8:30	489.31	07-A50684		73	13		9.6	0.260	0.323	224.7	47	
Storm Flow	Grab	10/30/2007	8:25		07-A51545								193.5		
Base Flow	Grab	11/26/2007	13:00		07-A55726		7	4		7.8	0.396	0.415		7	
Base Flow	Grab	12/20/2007	12:40		07-A59269		5	<2		8.47	0.496	0.497		2	
Base Flow	Grab	4/25/2006	12:00	175.62	06-A14802		18	5		4.1	0.010	0.056			7
Base Flow	Grab	5/15/2006	11:50	194.17	06-A18945								91	100	
Base Flow	Grab	5/15/2006	11:50	194.17	06-A18951		10			5.34	0.010	0.040			9
Base Flow	Grab	5/30/2006	11:00	82.73	06-A21388		8			3.62	0.036	0.080		11	8
Base Flow	Grab	6/12/2006	11:45	40.82	06-A23845		5			5.22	0.048	0.077		170	5
Base Flow	Grab	6/27/2006	10:30	74.03	06-A26592		36	5	1.6	8.43	0.067	0.100			25
Base Flow	Grab	7/10/2006	11:15	25.04	06-A28694		13	3		2.42	0.04	0.075		240	12
Base Flow	Grab	7/28/2006	10:55	4.85	06-A32471		31			0.73	0.044	0.185		73	29
Base Flow	Grab	8/29/2006	11:40	3.47	06-A37712		7	4		0.33	0.03	0.073		61	8
Base Flow	Grab	9/12/2006	11:30	2.86	06-A39820		<2			0.33	0.014	0.035		130	5
Base Flow	Grab	9/26/2006	10:40	16.60	06-A42208		25	5		1.47	0.05	0.144		1600	23

CHEMICAL DATA - Analytes tested for in a lab, 2007 - MVTL, New Ulm (Continued)

RRUS - Redwood River at Russell - Non-impacted stream/Western Corn Belt Plains

STORET CODE - S000-696

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB		TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI	TURB NTU
					SAMPLE ID #									
E.Coli	Grab	9/19/2007	10:45	2.99	07-A43896								172.6	
E.Coli	DUP	9/19/2007	10:45	2.99	07-A43897								344.8	
E.Coli	Grab	9/24/2007	10:15	1.50	07-A44552								121.1	
E.Coli	Grab	9/27/2007	10:55	2.16	07-A45327								143.9	
E.Coli	Grab	10/5/2007	11:30	8.71	07-A47287								1119.9	
E.Coli	Grab	10/9/2007	10:35	68.46	07-A47597								>2419.6	
E.Coli	Grab	10/18/2007	10:30	172.57	07-A49682								1119.9	
E.Coli	Grab	10/24/2007	10:00	163.58	07-A50686								248.9	
E.Coli	Grab	10/30/2007	9:50		07-A51547								344.8	

CHEMICAL DATA - Analytes tested for in a lab, 2007 - MVTL, New Ulm

TC4A - Three Mile Creek near Green Valley - Non-impacted stream/Western Corn Belt Plains

STORET CODE - S002-313

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB		TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI	TURBIDITY NTU
					SAMPLE ID #									
Storm Flow	Grab	4/2/2007	12:28	242.03	07-A11046		60	10		9.93	0.144	0.234	960	39
Storm Flow	Comp	4/2/2007	12:28	204.38	07-A11048		169	23		8.71	0.165	0.373		78
Storm Flow	Grab	4/5/2007	11:20	106.20	07-A11812		23	5		9.18	0.120	0.162		12
Storm Flow	Comp	4/5/2007	11:20	135.34	07-A11813		84	10		12.40	0.151	0.254		41
E.Coli	Grab	4/9/2007	11:05	63.73	07-A12224								1	
Snowmelt	Grab	4/16/2007	11:10	123.01	07-A13502		44	8		9.03	0.056	0.120	140	22
E.Coli	Grab	4/20/2007	11:05	75.25	07-A15010								96	
E.Coli	Grab	4/30/2007	10:45	55.79	07-A16529								110	
E.Coli	Grab	4/30/2007	10:45	55.79	07-A16530								22	
Base Flow	Grab	5/3/2007	10:45	45.47	07-A17428		19	2		6.51	<0.005	0.045	64.4	11
Storm Flow	Comp	5/3/2007	10:45	90.84	07-A17433		119	19		8.47	0.025	0.162		50
E.Coli	Grab	5/10/2007	10:40	55.79	07-A19123								140.1	
E.Coli	Grab	5/17/2007	10:45	30.64	07-A20503								75.9	
E.Coli	Grab	5/23/2007	10:40	22.05	07-A21562								218.7	
Base Flow	Grab	5/29/2007	10:15	18.31	07-A22692		32	6		4.32	0.046	0.095	344.8	28

CHEMICAL DATA - Analytes tested for in a lab, 2007 - MVTL, New Ulm (Continued)

TC4A - Three Mile Creek near Green Valley - Non-impacted stream/Western Corn Belt Plains

STORET CODE - S002-313

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI	TURBIDITY NTU
					SAMPLE ID #								
E.Coli	Grab	6/1/2007	11:10	17.98	07-A23697							365.4	
E.Coli	Grab	6/7/2007	10:05	32.23	07-A25027							275.5	
Base Flow	Grab	6/13/2007	10:00	16.05	07-A26025	42	8		5.07	0.072	0.112	387.3	30
E.Coli	Grab	6/20/2007	10:00	31.43	07-A27384							488.4	
Base Flow	Grab	6/28/2007	10:00	9.40	07-A29085	11	4		2.37	0.034	0.08	270.0	10
Base Flow	Grab	7/5/2007	10:15	5.55	07-A29892	26	5		1.07	0.084	0.135	145.5	25
E.Coli	Grab	7/11/2007	9:55	2.64	07-A31254							275.5	
E.Coli	Grab	7/20/2007	10:10	2.64	07-A33217							131.7	
E.Coli	Grab	7/20/2007	10:10	2.64	07-A33218							84.7	
E.Coli	Grab	7/23/2007	10:00	1.42	07-A33449							816.4	
Base Flow	Grab	7/26/2007	10:15	0.80	07-A34266	57	14		<0.2 (non-detect)	0.051	0.199	214.3	49
E.Coli	Grab	8/2/2007	10:15	0.32	07-A35435							238.2	
Base Flow	Grab	8/8/2007	11:00	1.85	07-A36415	50	14		0.27	0.069	0.17	217.8	49
E.Coli	Grab	8/16/2007	10:05	1.16	07-A37975							54.5	
Storm Flow	Grab	8/20/2007	10:30	113.56	07-A38419	216	36		1.27	0.202	0.502		150
Storm Flow	Grab	8/23/2007	10:15	20.32	07-A39290	32	7		2.3	0.112	0.17	275.5	25
E.Coli	Grab	8/29/2007	10:35	12.43	07-A40075							488.4	
Base Flow	Grab	9/6/2007	10:00	3.72	07-A41545	35	8		<0.2 (non-detect)	0.035	0.097		23
E.Coli	Grab	9/7/2007	9:55	4.10	07-A41830							325.5	
E.Coli	Grab	9/7/2007	9:55	4.10	07-A41831							488.4	
E.Coli	Grab	9/12/2007	10:10	3.16	07-A42562							214.2	
E.Coli	Grab	9/19/2007	10:00	4.50	07-A43895							261.3	
E.Coli	Grab	9/24/2007	9:45	3.16	07-A44551							147.0	
E.Coli	Grab	9/27/2007	10:15	5.34	07-A45326							1046.2	
E.Coli	Grab	10/5/2007	10:55	7.63	07-A47286							272.3	
E.Coli	Grab	10/9/2007	10:00	38.02	07-A47596							648.8	
E.Coli	Grab	10/18/2007	9:50	101.96	07-A49681							980.4	
E.Coli	Grab	10/24/2007	9:25	61.28	07-A50685							261.3	
E.Coli	Grab	10/30/2007	9:15		07-A51546							146.7	