

**CHEMICAL DATA - Analytes tested for in a lab, 2008 - 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	LAB SAMPLE ID #	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	Sulfate MG/L	Chloride MG/L	Ammonia	Hardness -
																CaCO3 MG/L
Base Flow	Grab	1/15/2008	10:00	08-A1894	4	2		6.71	0.541	0.550		8				
Base Flow	Grab	2/13/2008	9:45	08-A5500	6	3		5.56	1.050	1.130		4				
Base Flow	Grab	3/4/2008	9:20	08-A7824	3	3		5.21	1.160	1.170		4				
Base Flow	Grab	4/8/2008	8:15	08-A12968	19	6		2.82	0.256	0.316		14				
Snowmelt/Tile	Grab	4/16/2008	8:35	08-A14676	26	8		8.92	0.279	0.348		17				
Snowmelt/Tile	Grab	4/18/2008	7:45	08-A15199	211	28		8.61	0.250	0.490		120				
Snowmelt/Tile	Grab	4/21/2008	8:00	08-A15423	104	14		6.54	0.204	0.411		74				
Snowmelt/Tile	Grab	4/28/2008	8:00	08-A16808	110	16		13.2	0.189	0.315		64				
Base Flow	Grab	5/6/2008	7:55	08-A18455	92	11		10.8	0.120	0.243		50				
Base Flow	Grab	5/21/2008	7:50	08-A21927	68	9		8.59	0.106	0.192	32.7	42				
Storm Flow	Grab	6/6/2008	8:10	08-A25144	90	10		10.4	0.198	0.294		59				
Storm Flow	Grab	6/9/2008	8:15	08-A25402	140	18		13.3	0.176	0.314		74				
Storm Flow	Grab	6/13/2008	6:40	08-A26654	160	22		13.6	0.199	0.355		97				
Base Flow	Grab	6/26/2008	7:00	08-A28861	100	11		8.64	0.201	0.242	248.1	65				
Base Flow	Grab	7/8/2008	9:45	08-A30655	33	4		4.81	0.249	0.338		27				
Base Flow	Grab	7/31/2008	8:30	08-A35210	15	6	1.3	0.5	0.306	0.465	816.4	8	361^	65.4		
Base Flow	Grab	8/6/2008	8:00	08-A36212	22	13	1.3	<0.2	0.157	0.319		13	419^	94.2	<0.16	
Base Flow	Grab	8/26/2008	9:40	08-A40569	40	18	2.8	<0.2	0.131	0.392	10.9	30	456^	115	<0.16	559
Base Flow	Grab	9/15/2008	9:05	08-A44102	47	11	2.2	1.48	0.491*	0.707		32	464^	105	<0.16	546
Base Flow	Dup	9/15/2008	9:05	08-A44100	46	11		1.48	0.476*	0.688	816.4	33				
Base Flow	Grab	9/29/2008	8:50	08-A46288	36	13	1.7	<0.2	0.422	0.617		30	482^	104	<0.16	631
Base Flow	Dup	9/29/2008	8:50	08-A46283	38	14		<0.2	0.415	0.636		25				
Base Flow	Grab	10/31/2008	9:20	08-A52750	25	5	1.4	2.67	0.667	0.748		29*	500^	60.6	<0.16	662
Base Flow	Grab	11/25/2008	10:15	08-A56473	7	4	1.9	5.89	1.100	1.880		9	606^	115	<0.16	765
Base Flow	Grab	12/30/2008	10:30	08-A60255	5	2	2.0	4.98	1.260	1.26^		6.0*	603^	141	<0.16	757

^ Sample Diluted due to result above calibration or linear range

\* Sample Exceeded Holding Time

**CHEMICAL DATA - Analytes tested for in a lab, 2008 - MVTL, New Ulm****CC3 - Clear Creek in Seaforth - Non-impacted stream/Western Corn Belt Plains****STORET CODE - S002-311**

FLOW TYPE	SAMP TYPE	DATE	TIME	LAB SAMPLE ID #	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
Base Flow	Grab	4/8/2008	8:40	08-A12969	23	4		3.99	0.054	0.112		8
Snowmelt/tile	Grab	4/16/2008	9:00	08-A14677	7	4		4.03	0.045	0.072		9
Snowmelt/tile	Grab	4/28/2008	8:30	08-A16809	25	4		21.00	0.096	0.130		11
Base Flow	Grab	5/6/2008	8:20	08-A18456	12	3		19.60	0.032	0.056		7
Base Flow	Grab	5/21/2008	8:15	08-A21928	10	2		17.90	0.005	0.022	60.9	5
Storm Flow	Grab	6/6/2008	8:35	08-A25145	132*	17*		22.00^	0.098	0.089		45
Storm Flow	Grab	6/9/2008	8:35	08-A25403	32	6		19.60	0.043	0.073		17
Storm Flow	Grab	6/13/2008	7:10	08-A26655	65	8		22.10^	0.152	0.160		33
Base Flow	Grab	6/26/2008	7:25	08-A28862	32	6		17.60	0.034	0.058	365.4	20
Base Flow	Grab	7/8/2008	10:10	08-A30647	20	4		10.90	0.044	0.095		18
Base Flow	Grab	7/31/2008	9:05	08-A35305	58	26		<0.2	0.025	0.237	260.3	25
Base Flow	Grab	8/6/2008	8:30	08-A36214	28	12		<0.2	0.027	0.180		23
Base Flow	Grab	8/26/2008	10:15	08-A40571	46	12		1.19	0.114	0.176	866.4	50
Base Flow	Grab	9/15/2008	9:50	08-A44097	20	8		0.46	.065*	0.173	410.6	14
Base Flow	Grab	9/29/2008	9:30	08-A46284	26	7		0.27	0.056	0.113		22

^ Sample Diluted due to result above calibration or linear range

\* Sample Exceeded Holding Time

**CHEMICAL DATA - Analytes tested for in a lab, 2008 - 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	LAB SAMPLE ID #	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
Base Flow	Grab	4/8/2008	9:30	08-A12970	14	3		3.40	0.055	0.094		8
Snowmelt/tile	Grab	4/16/2008	9:50	08-A14678	189	28		14.70	0.163	0.375		120
Snowmelt/tile	Grab	4/18/2008	8:50	08-A15200	54	8		11.40	0.115	0.183		43
Snowmelt/tile	Grab	4/21/2008	8:45	08-A15424	56	8		7.43	0.056	0.137		37
Snowmelt/tile	Grab	4/28/2008	9:20	08-A16810	49	8		12.40	0.091	0.154		29
Base Flow	Grab	5/6/2008	9:00	08-A18457	22	6		9.95	0.024	0.067		14
Base Flow	Grab	5/21/2008	9:00	08-A21929	20	6		9.10	0.006	0.032	51.2	11
Storm Flow	Grab	6/6/2008	9:25	08-A25146	156*	23*		14.90	0.248	0.474		52
Storm Flow	Grab	6/9/2008	9:15	08-A25404	51	4		14.10	0.072	0.080		33
Storm Flow	Grab	6/13/2008	7:45	08-A26661	86	13		14.90	0.162	0.186		58
Base Flow	Grab	6/26/2008	8:15	08-A28863	60	9		10.50	0.047	0.070	365.4	42
Base Flow	Grab	7/8/2008	10:50	08-A30648	57	8		4.40	0.051	0.131		45
Base Flow	Grab	7/31/2008	9:50	08-A35306	52	10		0.83	0.100	0.171	517.2	49
Base Flow	Grab	8/6/2008	9:10	08-A36215	72	12		0.68	0.116	0.180		61
Base Flow	Grab	8/26/2008	11:10	08-A40572	15	4		<0.2	0.015	0.055	980.4	14
Base Flow	Grab	9/15/2008	11:00	08-A44098	12	3		<0.2	0.025	0.048	222.4	11
Base Flow	Grab	9/29/2008	10:20	08-A46285	18	4		<0.2	0.022	0.066		18

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**CHEMICAL DATA - Analytes tested for in a lab, 2008 - MVTL, New Ulm**

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

**STORET CODE - S000-696**

FLOW TYPE	SAMP TYPE	DATE	TIME	LAB SAMPLE ID #	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
Base Flow	Grab	4/8/2008	10:15	08-A12971	18	5		2.02	0.045	0.098		16
Snowmelt/tile	Grab	4/16/2008	10:40	08-A14679	176	22		6.94	0.158	0.366		110
Snowmelt/tile	Grab	4/18/2008	9:40	08-A15201	54	8		4.89	0.097	0.185		44
Snowmelt/tile	Grab	4/28/2008	10:10	08-A16811	37	3		5.33	0.026	0.099		27
Base Flow	Grab	5/6/2008	9:45	08-A18458	23	6		4.22	0.007	0.057		15
Base Flow	Grab	5/21/2008	10:00	08-A21930	24	7		3.49	<0.005	0.041	41.4	12
Storm Flow	Grab	6/6/2008	10:05	08-A25147	178	21		8.36	0.109	0.240		92
Storm Flow	Grab	6/9/2008	9:55	08-A25405	64	12		6.17	0.085	0.171		39
Storm Flow	Grab	6/13/2008	8:25	08-A26662	117	12		6.55	0.102	0.227		73
Base Flow	Grab	6/26/2008	9:00	08-A28864	23	4		3.52	0.036	0.063	166.4	18
Base Flow	Grab	7/8/2008	11:40	08-A30649	30	7		1.48	0.068	0.127		19
Base Flow	Grab	7/31/2008	10:45	08-A35307	17	3		0.97	0.133	0.189	920.8	18
Base Flow	Grab	8/6/2008	9:50	08-A36216	11	3		0.44	0.101	0.138		16
Base Flow	Grab	8/26/2008	12:00	08-A40573	6	5		0.35	0.026	0.050	547.5	3.2
Base Flow	Dup.	8/26/2008	12:00	08-A40575	2	2		0.35	0.027	0.048		2.6
Base Flow	Grab	9/15/2008	11:50	08-A44099	3	2		<0.2	<0.02	0.020	137.6	3.0
Base Flow	Grab	9/29/2008	11:10	08-A46286	4	<2		<0.2	0.015	0.028		4.0

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