

**CHEMICAL DATA - Analytes tested for in a lab, 2006 - MVTL, New Ulm**

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

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft3/sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	FECAL		TURBIDITY NTU	CHLOR-A
												COL. /100mL	E.COLI /100mL		
Base Flow	Grab	1/11/2006	12:00	287.00	06-A1034	<2			11.5	0.206	0.207			7	2.5
Base Flow	Grab	2/14/2006	12:10	417.00	06-A4260	8			12.3	0.186	0.197			6	2.5
Storm Flow	Grab	3/31/2006	9:40	1196.00	06-A10140	508		4.3	11.2	0.328	0.791			170	
Storm Flow	Grab	4/4/2006	9:50	1573.00	06-A10463	146		2.2	12.1	0.177	0.317			38	
Storm Flow	Grab	4/11/2006	10:10	1020.00	06-A11815	120		1.7	10.8	0.132	0.225			37	
Base Flow	Grab	4/25/2006	9:55	446.00	06-A14799	54	4	1.5	8.08	0.096	0.172			21	12.8
Storm Flow	Grab	5/2/2006	10:10	1267.00	06-A16187	101	10	1.4	15.1	0.142	0.277			36	
Base Flow	Grab	5/15/2006	9:45	613.00	06-A18942							180	210		
Base Flow	Grab	5/15/2006	9:45	613.00	06-A18948	49		1.6	11	0.107	0.173			19	4.9
Base Flow	Grab	5/30/2006	8:15	314.00	06-A21385	47		1.2	9.92	0.137	0.207		4	16	18.8
Base Flow	Grab	6/12/2006	9:30	168.00	06-A23842	56		1.3	10.3	0.265	0.345		150	31	4.1
Base Flow	Grab	6/27/2006	8:15	221.00	06-A26589	75	10	1.6	11.7	0.283	0.320			44	9.1
Base Flow	Grab	7/10/2006	9:10	70.00	06-A28699	28	5	1.3	4.90	0.353	0.381		200	21	
Base Flow	Grab	7/28/2006	8:45	34.00	06-A32468	50		1.6	<0.2	0.060	0.276		140	35	69.5
?Storm Flow?	Grab	8/2/2006	8:45	58.00	06-A33202	37		1.6	<0.2	0.154	0.282			37	
Base Flow	Grab	8/29/2006	9:15	26.00	06-A37709	87	18	2.1	<0.2	0.234	0.500		50	66	224
Base Flow	Grab	9/12/2006	9:15	18.00	06-A39817	74		2.2	<0.2	0.063	0.416		96	48	286
Base Flow	Grab	9/26/2006	8:40	54.00	06-A42205	64	9	1.0	1.2	0.607	0.734		160	50	
Base Flow	Grab	10/20/2006	11:15	34.00	06-A47181	34		1.1	1.24	0.650	0.698			18	
Base Flow	Grab	11/28/2006	10:00	25.00	06-A52563	4		0.7	1.9	0.680	0.778			6	
Base Flow	Grab	12/19/2006	11:30	31.00	06-A55255	11		1.5	2.93	1.540	1.550			5	

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**CC3 - Clear Creek in Seaforth - Non-impacted stream/Western Corn Belt Plains**

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft3/sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	FECAL	E.COLI /100mL	TURBIDITY NTU
												COL. /100ML		
Storm Flow	Grab	3/31/2006	10:15	22.31	06-A10141	296			17.60	0.404	0.643			90
Storm Flow	Grab	4/4/2006	10:30	332.29	06-A10464	29			20.6	0.121	0.169			13
Storm Flow	Grab	4/11/2006	10:40	101.14	06-A11816	28			20.50	0.059	0.082			10
Base Flow	Grab	4/25/2006	10:30	35.24	06-A14800	4	3		18.30	0.008	0.022			3
Storm Flow	Grab	5/2/2006	10:45	328.44	06-A16188	20	2		22.40	0.093	0.126			9
Base Flow	Grab	5/15/2006	10:20	83.34	06-A18943							250	56	
Base Flow	Grab	5/15/2006	10:20	83.34	06-A18949	8			20.30	0.034	0.057			8
Base Flow	Grab	5/30/2006	9:20	33.17	06-A21386	18			19.90	0.044	0.078		52	8
Base Flow	Grab	6/12/2006	10:10	25.27	06-A23843	14			19.10	0.060	0.094		290	12
Base Flow	Grab	6/27/2006	8:45	34.74	06-A26590	43	6	1.6	18.60	0.068	0.114			21
Base Flow	Grab	7/10/2006	9:40	2.95	06-A28692	18	<2		7.62	0.038	0.067		50	14
Base Flow	Grab	7/28/2006	9:15	1.95	06-A32469	30			1.98	0.210	0.280		55	26
Storm Flow	Grab	8/2/2006	9:15	45.69	06-A33203	79			4.43	0.319	0.415			57
Base Flow	Grab	8/29/2006	10:00	0.31	06-A37710	29	4		0.99	0.192	0.194		140	27
Base Flow	Grab	9/12/2006	9:50	0.31	06-A39818	21			0.88	0.089	0.119		280	15
Base Flow	Grab	9/26/2006	9:00	5.99	06-A42206	14	8		1.26	0.118	0.144		1800	12

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

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft3/sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	FECAL	E.COLI	TURB NTU
												COL. /100ML		
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

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

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft3/sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	FECAL	E.COLI	TURBIDITY NTU
												COL. /100ML		
Storm Flow	Grab	3/31/2006	11:00	316.55	06-A10142	232			8.92	0.159	0.382			90
Storm Flow	Grab	4/4/2006	11:10	418.14	06-A10465	76			12.60	0.134	0.210			27
Storm Flow	Grab	4/11/2006	11:35	132.35	06-A11817	35			11.40	0.047	0.089			15
Base Flow	Grab	4/25/2006	11:10	52.57	06-A14801	8	4		8.94	<0.005	0.023			4
Base Flow	Grab	5/15/2006	11:10	81.63	06-A18944							110	52	
Base Flow	Grab	5/15/2006	11:10	81.63	06-A18950	16			11.60	0.020	0.050			10
Base Flow	Grab	5/30/2006	10:10	35.19	06-A21387	30			10.10	0.019	0.078		4	12
Base Flow	Grab	6/12/2006	11:00	23.45	06-A23844	40			9.41	0.052	0.113		110	32
Base Flow	Grab	6/27/2006	9:30	29.71	06-A26591	53	7	1.4	8.04	0.061	0.104			33
Base Flow	Grab	7/10/2006	10:30	7.47	06-A28693	36	6		2.01	0.052	0.111		78	27
Base Flow	Grab	7/28/2006	10:15	3.56	06-A32470	37			0.42	0.054	0.184		23	36
?Storm Flow	Grab	8/2/2006	10:00	6.28	06-A33204	43			0.37	0.081	0.168			32
Base Flow	Grab	8/29/2006	10:45	3.56	06-A37711	34	8		0.28	0.049	0.100		1200	27
Base Flow	Grab	9/12/2006	10:40	2.67	06-A39819	21			<0.2	0.019	0.067		64	17
Base Flow	Grab	9/26/2006	9:50	8.22	06-A42207	22	8		0.94	0.100	0.140		480	16