

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

FLOW TYPE	SAMPLE TYPE	DATE	TIME	LAB	FLOW ft <sup>3</sup> /s	TSS MG/L	N-NO2+		P-PO4 MG/L	TP MG/L	FECAL	TURBIDITY NTU	Chlor-A
				SAMPLE ID #			NO3 MG/L	COLIFORM /100ML					
Base Flow	Grab	1/12/2004	11:45	04-A720	53	13	3.29	1.710	1.820		10		
Base Flow	Chlor-Grab	1/12/2004	11:47	04-A723	53								2.2
Base Flow	Grab	2/18/2004	13:00	04-A3720	23	12	3.31	1.440	1.640				
Base Flow	Grab	3/24/2004	11:30	04-A6854	112	23	1.79	0.437	0.500		12		
Base Flow	Grab	4/14/2004	10:30	04-A9454	55	48	<0.2	0.587	0.778	440	11		
Fecal	Grab	5/5/2004	8:55	04-A13067	39					20			
Base Flow	Grab	5/5/2004	8:55	04-A13058	39	34	<0.2	0.355	0.551		14		
Storm Flow	Composite	5/27/2004	8:50	04-A16291	315	218	11.50	0.285	0.704		80		
Storm Flow	Grab	5/27/2004	8:50	04-A16297	315	422	11.70	0.303	0.881		130		
Storm Flow	Grab	5/30/2004	10:15	04-A16736	2,800		5.66		1.220				
Storm Flow	Composite	6/2/2004	9:45	04-A16850	1,670	1470	7.44	0.323	1.310		290		
Storm Flow	Grab	6/3/2004	9:20	04-A17047	1,500	180	8.75	0.277	0.400		80		
Storm Flow	Composite	6/10/2004	10:00	04-A17995	1,070	450	8.30	0.326	0.590		130		
Storm Flow	Grab	6/12/2004	12:30	04-A18324	2,340	300	7.47	-	0.565		120		
Storm Flow	Composite	6/14/2004	9:15	04-A18330	1,330	524	9.28	0.276	0.636		130		
Storm Flow	Composite	6/22/2004	8:45	04-A19343	997	236	6.03	0.162	0.329		80		
Base Flow	Grab	6/30/2004	8:45	04-A20914	264	74	8.80	0.195	0.312	700	29		
Base Flow	Grab	7/27/2004	9:30	04-A24791	62	40	4.66	0.360	0.372	370			
Base Flow	Grab	8/23/2004	9:20	04-A28389	39	17	2.94	0.273	0.324	390	7		
Storm Flow	Grab	9/15/2004	9:45	04-A31168	79	108	7.40	0.304	0.392		60		
Base Flow	Grab	9/29/2004	9:15	04-A33249	59	36	9.89	0.472	0.533	360	16		
Base Flow	Grab	10/25/2004	9:15	04-A37264	56	62	6.51	0.703	0.854	120	20		
Base Flow	Grab	11/16/2004	10:45	04-A40370	52	17	7.31	0.680	0.744		10		
Base Flow	Grab	12/9/2004	9:30	04-A42787	55	12	7.09	0.689	0.727		7		

Flow measured in Cubic Feet per second (ft<sup>3</sup>/sec)

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

<i>FLOW</i> <i>TYPE</i>	<i>SAMPLE</i> <i>TYPE</i>	<i>DATE</i>	<i>TIME</i>	<i>LAB</i>	<i>FLOW</i> <i>ft<sup>3</sup>/s</i>	<i>TSS</i> <i>MG/L</i>	<i>N-NO2+</i>	<i>P-PO4</i> <i>MG/L</i>	<i>TP</i> <i>MG/L</i>	<i>FECAL</i>	<i>TURBIDITY</i> <i>NTU</i>
				<i>SAMPLE</i> <i>ID #</i>			<i>NO3</i> <i>MG/L</i>			<i>COLIFORM</i> <i>/100ML</i>	
Base Flow	Grab	4/14/2004	11:13	04-A9455	3	4	0.55	0.009	0.040	240	4
Fecal	Grab	5/5/2004	9:25	04-A13068	3					360	
Base Flow	Grab	5/5/2004	9:25	04-A13059	3	10	0.38	0.032	0.078		7
Storm Flow	Composite	5/27/2004	9:35	04-A16292	73	268	19.90	0.183	0.480		80
Storm Flow	Grab	5/27/2004	9:35	04-A16298	73	50	20.40	0.102	0.159		18
Storm Flow	Composite	5/30/2004	11:43	04-A16737	1,569		10.60		0.805		
Storm Flow	Grab	5/30/2004	11:45	04-A16738	1,569	436	5.38		0.661		190
Storm Flow	Grab	6/1/2004	14:45	04-A16581	504	188	11.10	0.454	0.528		110
Storm Flow	Grab	6/2/2004	10:30	04-A16852	407	144	12.00	0.362	0.420		80
Storm Flow	Grab	6/2/2004	10:30	04-A16851	407	172	11.90	0.318	0.397		90
Storm Flow	Grab	6/3/2004	9:50	04-A17048	305	92	12.90	0.336	0.370		60
Storm Flow	Composite	6/10/2004	10:55	04-A17996	232	180	16.60	0.282	0.380		70
Storm Flow	Grab	6/12/2004	13:50	04-A18325	817	136	8.82	-	0.531		80
Storm Flow	Grab	6/14/2004	9:35	04-A18331	287	84	13.50	0.239	0.344		34
Base Flow	Grab	6/30/2004	9:30	04-A20915	40	44	19.00	0.148	0.185	2300	19
Base Flow	Grab	7/27/2004	10:00	04-A24792	11	16	7.78	<0.005	0.058	360	8
Base Flow	Grab	8/23/2004	10:05	04-A28390	7	10	7.00	0.057	0.088	550	8
Storm Flow	Grab	9/15/2004	10:20	04-A31169	15	44	8.79	0.322	0.344		20
Base Flow	Grab	9/29/2004	9:50	04-A33250	18	38	16.80	0.106	0.124	500	15

Flow measured in Cubic Feet per second (ft<sup>3</sup>/sec)

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

FLOW TYPE	SAMPLE TYPE	DATE	TIME	LAB	FLOW ft <sup>3</sup> /s	TSS MG/L	N-NO2+	P-PO4 MG/L	TP MG/L	FECAL	TURBIDITY NTU
				SAMPLE ID #			NO3 MG/L			COLIFORM /100ML	
Base Flow	Grab	4/14/2004	13:25	04-A9457	6	5	<0.2	0.006	0.031	20	4
Fecal	Grab	5/5/2004	10:40	04-A13070	5					170	
Base Flow	Grab	5/5/2004	10:40	04-A13061	5	<2	<0.2	<0.005	0.018		4
Base Flow	Grab	6/29/2004	11:30	04-A20650	119	24	4.09	0.052	0.082	900	12
Base Flow	Grab	7/27/2004	11:45	04-A24794	27	20	0.73	0.016	0.071	240	9
Base Flow	Grab	8/23/2004	11:45	04-A28393	5	<2	0.29	<0.005	0.066	800	4
Base Flow	Grab	9/29/2004	11:30	04-A33252	64	10	0.34	0.015	0.032	410	6

Flow measured in Cubic Feet per second (ft<sup>3</sup>/sec)

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

FLOW TYPE	SAMPLE TYPE	DATE	TIME	LAB	FLOW ft <sup>3</sup> /s	TSS MG/L	N-NO2+	P-PO4 MG/L	TP MG/L	FECAL	TURBIDITY NTU
				SAMPLE ID #			NO3 MG/L			COLIFORM /100ML	
Base Flow	Grab	4/14/2004	12:10	04-A9456	6	8	<0.2	<0.005	0.029	<10	7
Fecal	Grab	5/5/2004	10:05	04-A13069	5					30	
Base Flow	Grab	5/5/2004	10:05	04-A13060	5	3	<0.2	<0.005	0.050		7
Storm Flow	Grab	5/19/2004	9:10	04-A15134	10	28	3.29	0.029	0.075		11
Storm Flow	Grab	5/27/2004	10:30	04-A16299	44	27	10.60	0.042	0.074		11
Storm Flow	Grab	5/30/2004	12:45	04-A16739	290		14.60		0.333		
Storm Flow	Composite	6/2/2004	11:10	04-A16853	151	696	13.50	0.180	0.710		180
Storm Flow	Composite	6/10/2004	11:55	04-A17997	148	756	13.00	0.186	0.790		220
Storm Flow	Composite	6/14/2004	10:35	04-A18332	107	556	14.50	0.150	0.606		120
Storm Flow	Composite	6/18/2004	13:10	04-A19342	93	624	13.10		0.498		180
Base Flow	Grab	6/30/2004	10:15	04-A20916	12	22	9.74	<0.005	0.034	1100	9
Base Flow	Grab	7/27/2004	11:00	04-A24793	3	33	0.93	0.026	0.080	500	15
Base Flow	Grab	8/23/2004	11:00	04-A28391	9	33	0.30	0.022	0.090	410	16
Storm Flow	Grab	9/15/2004	11:10	04-A31170	9	44	0.30	0.049	0.116		20
Base Flow	Grab	9/29/2004	10:45	04-A33251	11	32	1.14	0.069	0.104	900	15