

FIELD DATA - Measurements taken on site, 2005

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

<i>Flow Type</i>	<i>Date</i>	<i>FLOW</i>		<i>H2O</i>			<i>TT 1</i>
		<i>(ft³/sec)</i>	<i>Time</i>	<i>Temp °C</i>	<i>DO</i>	<i>pH</i>	
Base Flow	1/19/2005	12	10:30			8.0	60+
Base Flow	2/17/2005	40	9:45	-	11.+	8.5	35.5
Base Flow	3/22/2005	34	10:20	0.1	16.85	8.5	40.4
Base Flow	3/31/2005	179	8:30	5.6	10.77	8.0	16.5
Storm Flow	4/13/2005	677	8:45	8.2	9.80	8.4	6.2
Storm Flow	4/14/2005	599	9:00	8.9	10.12	8.2	12.5
Storm Flow	4/19/2005	395	9:30	14.9	8.90	8.2	19.8
Base Flow	4/26/2005	218	8:45	9.0	10.52	8.0	27.5
Storm Flow	5/16/2005	364	8:30	9.6	10.81	8.3	30.3
Storm Flow	5/18/2005	637	10:00	13.4	9.13	8.4	5.6
Base Flow	5/24/2005	303	8:00	17.4	8.28	8.2	19.6
Base Flow	6/8/2005	280	12:15	21.8	7.61		17.9
Storm Flow	6/16/2005	474	11:30	18.5	8.77		15.2
Base Flow	6/27/2005	251	8:30	24.0	6.97	8.3	14.2
Base Flow	7/5/2005	125	9:30	22.0	8.28	8.3	28.2
Base Flow	7/19/2005	42	10:00	22.8	6.89	8.2	22.8
Base Flow	8/17/2005	17	9:40	22.6	10.22	8.7	14.4
Storm Flow	9/13/2005	157	9:40	20.2	6.55	8.6	9.4
Storm Flow	9/14/2005	326	9:45	17.4	7.33	8.6	5.2
Storm Flow	9/16/2005	194	8:15	17.5	7.71	8.1	
Storm Flow	9/27/2005	295	9:30	15.5	8.56	8.4	13.6
Base Flow	10/17/2005	208	9:45	11.9	9.69	8.5	24.2
Base Flow	11/21/2005	140	10:40	3.3	14.34	8.6	60+
Base Flow	12/22/2005	334	10:30	0.3	11.77	8.0	60+

Flow measured in Cubic Feet per second (ft³/sec)

FIELD DATA - Measurements taken on site, 2005

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

<i>Flow Type</i>	<i>Date</i>	<i>FLOW</i>		<i>H2O</i>			
		<i>(ft³/sec)</i>	<i>Time</i>	<i>Temp °C</i>	<i>DO</i>	<i>pH</i>	<i>TT 1</i>
Base Flow	3/31/2005		9:05	4.3	10.74	8.0	60+
Storm Flow	4/13/2005	92	9:25	5.3	11.21	8.4	32.0
Storm Flow	4/14/2005	74	9:35	6.5	10.96	8.4	44.9
Base Flow	4/26/2005	36	9:15	7.3	10.83	8.2	60+
Storm Flow	5/16/2005	65	9:15	9.0	10.53	8.4	60+
Storm Flow	5/18/2005	88	10:45	11.6	9.27	8.4	18.6
Base Flow	5/24/2005	51	8:40	14.4	8.40	8.2	31.0
Storm Flow	6/16/2005	57	9:35	14.0	8.93		29.6
Base Flow	6/28/2005	24	9:45	21.4	6.27	8.4	19.8
Base Flow	7/29/2005	8	9:15	21.2	4.52	8.2	25.9
Base Flow	8/17/2005	3	10:15	21.7	5.10	8.4	25.4
Storm Flow	9/13/2005	71	10:15	18.2	4.67	8.5	5.2
Storm Flow	9/14/2005	104	10:20	16.3	6.53	8.4	17.7
Storm Flow	9/16/2005	58	9:05	16.4	7.01	8.0	60+
Base Flow	10/17/2005	27	10:15	12.3	9.21	8.3	60+

Flow measured in Cubic Feet per second (ft³/sec)

FIELD DATA - Measurements taken on site, 2005

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

<i>Flow Type</i>	<i>Date</i>	<i>FLOW</i>		<i>H2O</i>			
		<i>(ft³/sec)</i>	<i>Time</i>	<i>Temp °C</i>	<i>DO</i>	<i>pH</i>	<i>TT 1</i>
Base Flow	4/26/2005	54	10:50	7.3	12.12	8.4	60+
Base Flow	5/24/2005	40	10:20	17.9	8.02	8.2	60+
Base Flow	6/8/2005	75	11:00	20.4	8.03		48.2
Base Flow	6/27/2005	79	10:45	22.5	7.71	8.4	20.5
Base Flow	7/5/2005	42	11:30	21.0	8.67	8.3	37.3
Base Flow	7/29/2005	12	11:00	21.0	8.15	8.1	21.4
Base Flow	8/17/2005	2	11:55	20.9	9.02	8.0	47.8
Storm Flow	9/13/2005	59	11:45	18.6	8.14	8.6	21.2
Base Flow	10/17/2005	83	11:45	12.0	10.50	8.4	54.7

Flow measured in Cubic Feet per second (ft³/sec)

FIELD DATA - Measurements taken on site, 2005**TC4A - Three Mile Creek near Green Valley - Non-impacted stream/Western Corn Belt Plains**

<i>Flow Type</i>	<i>Date</i>	<i>FLOW</i>	<i>H2O</i>				
		<i>(ft³/sec)</i>	<i>Time</i>	<i>Temp °C</i>	<i>DO</i>	<i>pH</i>	<i>TT 1</i>
Base Flow	3/31/2005		9:45	2.9	13.37	8.2	60+
Storm Flow	4/13/2005		10:30	7.8	10.17	8.4	25.2
Storm Flow	4/14/2005		10:35	8.9	10.01	8.3	31.9
Base Flow	4/26/2005	26	10:05	7.3	11.01	8.2	60+
Storm Flow	5/16/2005	53	10:10	10.3	10.68	8.4	37.4
Base Flow	5/24/2005	37	9:40	17.3	7.13	8.1	26.4
Storm Flow	6/8/2005	79	10:15	19.9	6.85		15.4
Storm Flow	6/16/2005	120	10:15	17.0	8.22		31.4
Base Flow	6/27/2005	29	10:00	23.7	6.93	8.4	20.5
Base Flow	7/5/2005	10	10:45	20.5	7.65	8.2	35.4
Base Flow	7/29/2005	3	10:15	22.0	8.45	8.1	26.4
Base Flow	8/17/2005	1	11:00	23.6	8.88	8.4	36.5
Storm Flow	9/13/2005	15	11:00	20.1	5.10	8.5	23.0
Storm Flow	9/14/2005	85	11:05	12.6	6.84	8.4	12.6
Storm Flow	9/16/2005	47	9:50	17.4	7.46	8.2	20.8
Base Flow	10/17/2005	28	11:05	12.3	9.98	8.4	37.2

Flow measured in Cubic Feet per second (ft³/sec)