

**FIELD DATA - Measurements taken on site, 2008****RR1 - Primary Lower Redwood River at Redwood CR17 near Redwood Falls - Non-impacted stream/Western Corn Belt Plains****STORET CODE - S001-679**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1
Base Flow	1/15/2008		10:00	0.0	13.88	8.51	60+
Base Flow	2/13/2008		9:45	0.0	10.38	8.38	60+
Base Flow	3/4/2008		9:20	0.0	12.15	8.58	60+
Base Flow	4/8/2008		8:15	5.7	11.61	8.41	48.2
Snowmelt/Tile	4/16/2008		8:35	10.0	10.51	8.42	34.6
Snowmelt/Tile	4/18/2008		7:45	8.7	10.37	8.35	9.4
Snowmelt/Tile	4/21/2008		8:00	11.3	9.90	8.45	11.4
Snowmelt/Tile	4/28/2008		8:00	4.6	12.46	8.43	14.2
Base Flow	5/6/2008		7:55	11.3	10.10	8.44	16.1
Base Flow	5/21/2008		7:50	13.4	10.14	8.39	19.2
Storm Flow	6/6/2008		8:10	16.4	8.61	8.29	16.3
Storm Flow	6/9/2008		8:15	16.9	8.61	8.29	11.3
Storm Flow	6/13/2008		6:40	16.4	8.16	8.19	9.3
Base Flow	6/26/2008		7:00	21.5	7.36	8.26	14.7
Base Flow	7/8/2008		9:45	24.1	7.48	8.38	24.9
Base Flow	7/31/2008		8:30	24.0	5.95	8.62	40.6
Base Flow	8/6/2008		8:00	24.0	7.10	8.86	38.7
Base Flow	8/26/2008		9:40	20.5	8.48	8.69	15.5
Base Flow	9/15/2008		9:05	12.8	9.55	8.61	20.5
Base Flow	9/29/2008		8:50	16.8	8.25	8.74	19.5
Base Flow	10/31/2008		9:20	6.7	11.32	8.36	27.9
Base Flow	11/25/2008		10:15	0.1	16.06	8.47	60+
Base Flow	12/30/2008		10:30	0.0	11.35	7.87	60+

**FIELD DATA - Measurements taken on site, 2008****CC3 - Clear Creek in Seaforth - Non-impacted stream/Western Corn Belt Plains****STORET CODE - S002-311**

<b>Flow Type</b>	<b>Date</b>	<b>FLOW</b>	<b>Time</b>	<b>Temp ©</b>	<b>DO</b>	<b>pH</b>	<b>TT 1</b>
Base Flow	4/8/2008		8:40	4.9	11.82	8.43	60+
Snowmelt/tile	4/16/2008		9:00	8.9	11.53	8.53	60+
Snowmelt/tile	4/28/2008		8:30	3.6	12.73	8.36	53.4
Base Flow	5/6/2008		8:20	8.8	11.07	8.34	60+
Base Flow	5/21/2008		8:15	10	11.54	8.34	60+
Storm Flow	6/6/2008		8:35	12.8	9.14	8.1	24.2
Storm Flow	6/9/2008		8:35	13.1	9.34	8.2	52.2
Storm Flow	6/13/2008		7:10	13.3	8.62	8.1	30.4
Base Flow	6/26/2008		7:25	18.7	7.51	8.19	42.5
Base Flow	7/8/2008		10:10	22.3	7.02	8.28	52.4
Base Flow	7/31/2008		9:05	23.6	4.02	7.91	21.2
Base Flow	8/6/2008		8:30	23.1	4.66	8.08	30.1
Base Flow	8/26/2008		10:15	18.9	4.71	8.28	12.8
Base Flow	9/15/2008		9:50	12.4	8.59	8.26	40.4
Base Flow	9/29/2008		9:30	15.8	5.78	8.06	34.9

**FIELD DATA - Measurements taken on site, 2008****TC4A - Three Mile Creek near Green Valley - Non-impacted stream/Western Corn Belt Plains****STORET CODE - S002-313**

<b>Flow Type</b>	<b>Date</b>	<b>FLOW</b>	<b>Time</b>	<b>Temp ©</b>	<b>DO</b>	<b>pH</b>	<b>TT 1</b>
Base Flow	4/8/2008		9:30	4.9	12.17	8.43	60+
Snowmelt/tile	4/16/2008		9:50	8.7	9.86	8.24	7.8
Snowmelt/tile	4/18/2008		8:50	6.5	11.10	8.44	17.1
Snowmelt/tile	4/21/2008		8:45	11.4	9.78	8.43	22.8
Snowmelt/tile	4/28/2008		9:20	3.1	13.03	8.38	23.6
Base Flow	5/6/2008		9:00	11.4	10.29	8.40	45.9
Base Flow	5/21/2008		9:00	12.2	9.53	8.38	48.8
Storm Flow	6/6/2008		9:25	15.0	7.48	8.08	16.6
Storm Flow	6/9/2008		9:15	15.7	8.14	8.15	28.5
Storm Flow	6/13/2008		7:45	16.5	7.26	8.07	13.8
Base Flow	6/26/2008		8:15	20.6	7.08	8.23	18.6
Base Flow	7/8/2008		10:50	23.7	7.01	8.23	18.2
Base Flow	7/31/2008		9:50	25.1	4.90	8.18	16.4
Base Flow	8/6/2008		9:10	24.8	5.20	8.16	13.1
Base Flow	8/26/2008		11:10	21.8	8.32	8.31	36.5
Base Flow	9/15/2008		11:00	14.3	10.03	8.27	53.0
Base Flow	9/29/2008		10:20	16.8	6.63	8.02	42.8

**FIELD DATA - Measurements taken on site, 2008****RRUS - Redwood River at Russell - Non-impacted stream/Western Corn Belt Plains****STORET CODE - S000-696**

<b>Flow Type</b>	<b>Date</b>	<b>FLOW</b>	<b>Time</b>	<b>Temp ©</b>	<b>DO</b>	<b>pH</b>	<b>TT 1</b>
Base Flow	4/8/2008		10:15	4.2	13.15	8.44	41.8
Snowmelt/tile	4/16/2008		10:40	6.7	11.21	8.27	9.3
Snowmelt/tile	4/18/2008		9:40	5.9	11.99	8.43	19.1
Snowmelt/tile	4/28/2008		10:10	4.5	13.16	8.53	26.4
Base Flow	5/6/2008		9:45	12.1	10.58	8.51	40.2
Base Flow	5/21/2008		10:00	13.2	9.82	8.47	45.6
Storm Flow	6/6/2008		10:05	15	8.49	8.23	14.8
Storm Flow	6/9/2008		9:55	17.2	8.62	8.31	17.5
Storm Flow	6/13/2008		8:25	16.6	8.41	8.21	12.0
Base Flow	6/26/2008		9:00	20.8	7.78	8.28	38.9
Base Flow	7/8/2008		11:40	23.5	7.79	8.39	38.3
Base Flow	7/31/2008		10:45	23.6	7.11	8.25	33.9
Base Flow	8/6/2008		9:50	21.7	7.26	8.33	38.4
Base Flow	8/26/2008		12:00	19.6	10.31	8.34	60+
Base Flow	9/15/2008		11:50	13.6	11.11	8.28	60+
Base Flow	9/29/2008		11:10	15.2	8.55	8.11	60+