

FIELD DATA - Measurements taken on site, 2006

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

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	TT 2
Base Flow	1/11/2006	287.00	12:00	0.1	14.20	8.50	60+	
Base Flow	2/14/2006	417.00	12:10	0.0	13.34		60+	
Snow Melt/Storm Flow	3/31/2006	1196.00	9:40	6.6	10.83	8.20	4.0	
Storm Flow	4/4/2006	1573.00	9:50	5.7	11.30	8.10	12.4	
Storm Flow	4/11/2006	1020.00	10:10	11.6	10.05	8.70	27.2	
Base Flow	4/25/2006	446.00	9:55	11.1	10.28	8.00	27.9	
Storm Flow	5/2/2006	1267.00	10:10	10.2	9.63	8.70	17.6	
Base Flow	5/15/2006	613.00	9:45	11.5	9.95	8.10	37.2	
Base Flow	5/30/2006	314.00	8:15	22.8	7.77	8.20	42.6	
Base Flow	6/12/2006	168.00	9:30	15.0	8.90	8.30	25.0	
Base Flow	6/27/2006	221.00	8:15	20.9	7.37	8.53	21.5	
Base Flow	7/10/2006	70.00	9:10	22.0	6.79	8.51	34.6	
Base Flow	7/28/2006	34.00	8:45	26.8	5.78	8.32	18.7	
Storm Flow	8/2/2006	58.00	8:45	22.9	5.89	8.28	20.8	
Base Flow	8/29/2006	26.00	9:15	18.8	7.72	8.51	11.7	
Base Flow	9/12/2006	18.00	9:15	14.7	11.71	8.71	27.3	
Base Flow	9/26/2006	54.00	8:40	12.6	8.31	8.49	20.9	
Base Flow	10/20/2006	34.00	11:15	6.8	12.52	8.71	37.8	
Base Flow	11/28/2006	25.00	10:00	3.1	13.70	8.71	60+	
Base Flow	12/19/2006	31.00	11:30	0.1	16.83	8.68	60+	

FIELD DATA - Measurements taken on site, 2006

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

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	TT 2
Snow Melt/Storm Flow	3/31/2006	22.31	10:15	5.10	10.82	8.4	11.1	
Storm Flow	4/4/2006	332.29	10:30	4.30	11.56	7.9	36	
Storm Flow	4/11/2006	101.14	10:40	10.00	10.50	8.6	45.2	
Base Flow	4/25/2006	35.24	10:30	8	12.53	8.1	60+	
Storm Flow	5/2/2006	328.44	10:45	8.3	10.05	8.4	60+	
Base Flow	5/15/2006	83.34	10:20	10.8	10.05	8.2	60+	
Base Flow	5/30/2006	33.17	9:20	18.1	7.70	8.0	60+	
Base Flow	6/12/2006	25.27	10:10	14.7	8.83	8.2	60+	
Base Flow	6/27/2006	34.74	8:45	18	8.21	8.41	37.1	
Base Flow	7/10/2006	2.95	9:40	20.3	6.62	8.28	55.4	
Base Flow	7/28/2006	1.95	9:15	25.3	3.95	8.22	28.0	
Storm Flow	8/2/2006	45.69	9:15	19.8	6.97	8.01	17.9	
Base Flow	8/29/2006	0.31	10:00	20.2	6.02	8.28	25.5	
Base Flow	9/12/2006	0.31	9:50	13.8	8.20	8.35	34.5	
Base Flow	9/26/2006	5.99	9:00	12.2	9.22	8.46	60+	

FIELD DATA - Measurements taken on site, 2006**RRUS - Redwood River at Russell - Non-impacted stream/Western Corn Belt Plains**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	TT 2
Base Flow	4/25/2006	175.62	12:00	9.1	11.92	8.1	60+	
Base Flow	5/15/2006	194.17	11:50	11.6	10.9	8.4	60+	
Base Flow	5/30/2006	82.73	11:00	20.7	9.27	8.2	60+	
Base Flow	6/12/2006	40.82	11:45	14.9	10.57	8.3	60+	
Base Flow	6/27/2006	74.03	10:30	18.5	8.74	8.48	37.8	
Base Flow	7/10/2006	25.04	11:15	20.6	8.61	8.44	49.6	
Base Flow	7/28/2006	4.85	10:55	25.1	7.15	8.31	23.4	
Base Flow	8/29/2006	3.47	11:40	17.9	8.46	8.24	60+	
Base Flow	9/12/2006	2.86	11:30	12.9	10.61	8.35	60+	
Base Flow	9/26/2006	16.60	10:40	11.3	9.88	8.43	28.2	

FIELD DATA - Measurements taken on site, 2006**TC4A - Three Mile Creek near Green Valley - Non-impacted stream/Western Corn Belt Plains**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	TT 2
Snow Melt/Storm Flow	3/31/2006	316.55	11:00	6.2	10.25	8.20	15.0	
Storm Flow	4/4/2006	418.14	11:10	5.6	11.10	7.90	15.7	
Storm Flow	4/11/2006	132.35	11:35	11.9	10.07	8.60	39.6	
Base Flow	4/25/2006	52.57	11:10	9.3	13.28	8.00	60+	
Base Flow	5/15/2006	81.63	11:10	11.8	10.63	8.20	60+	
Base Flow	5/30/2006	35.19	10:10	20.9	7.75	8.00	51.6	
Base Flow	6/12/2006	23.45	11:00	15.8	8.84	8.30	30.1	
Base Flow	6/27/2006	29.71	9:30	20.1	7.21	8.35	29.8	
Base Flow	7/10/2006	7.47	10:30	22.0	7.32	8.26	29.8	
Base Flow	7/28/2006	3.56	10:15	25.3	7.11	8.22	28.1	
Storm Flow	8/2/2006	6.28	10:00	23.1	5.62	8.02	22.2	
Base Flow	8/29/2006	3.56	10:45	20.3	6.81	8.11	23.2	
Base Flow	9/12/2006	2.67	10:40	14.9	8.95	8.29	33.4	
Base Flow	9/26/2006	8.22	9:50	12.7	8.41	8.36	37.4	