

FIELD DATA - Measurements taken on site, 2009

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	1/21/2009		10:15	0.0	11.40	7.83	60+
Base Flow	2/24/2009		10:45	0.0	10.90	7.79	60+
Base Flow	3/16/2009		8:45	0.1	13.40	7.94	23.2
Snowmelt/tile	3/24/2009		8:30	4.0	12.73	7.67	2.2
Base Flow	4/8/2009		8:45	4.9	12.64	8.46	18.6
Base Flow	4/23/2009		8:30	11.4	10.97	8.40	21.1
Base Flow	5/1/2009		9:35	11.8	12.07	8.44	30.8
Base Flow	5/7/2009		8:45	15.0	10.46	8.52	40.2
Base Flow	5/27/2009		8:45	15.4	7.60	8.80	49.2
Base Flow	6/2/2009		9:15	19.0	7.40	8.76	36.4
Storm Flow	6/8/2009		8:05	13.7	8.77	8.90	27.3
Storm Flow	6/11/2009		8:30	15.4	8.76	8.88	24.0
Storm Flow	6/15/2009		8:30	19.6	7.52	8.91	24.7
Storm Flow	6/18/2009		8:00	21.1	7.00	8.99	18.8
Storm Flow	6/26/2009		7:45	24.9	6.37	8.28	17.7
Base Flow	6/30/2009		11:15	22.0	10.55	8.68	22.0
Base Flow	7/9/2009		8:20	21.4	6.97	8.39	21.8
Base Flow	7/15/2009		8:10	21.3	7.03	8.42	13.4
Base Flow	7/30/2009		8:50	19.6	8.71	8.89	18.8
Base Flow	8/4/2009		8:15	22.6	6.62	8.88	18.2
Base Flow	8/10/2009		12:20	26.7	4.83	9.01	14.0
Base Flow	8/21/2009		7:35	18.2	3.58	8.73	22.0
Base Flow	8/26/2009		8:40	21.7	3.51	9.03	15.2
Base Flow	9/3/2009		7:45	18.6	3.32	8.76	14.8
Base Flow	9/16/2009		8:10	19.7	3.44	8.52	16.9
Base Flow	9/24/2009		7:55	17.6	3.90	8.48	18.4
Storm Flow	10/2/2009		7:35	11.7	4.46	8.28	18.9
Storm Flow	10/5/2009		9:40	9.5	4.97	8.33	15.6
Storm Flow	10/7/2009		8:35	8.0	5.14	8.45	11.1
Storm Flow	10/8/2009		9:10	9.3	4.84	8.43	9.6
Storm Flow	10/12/2009		8:20	4.5	6.30	8.58	27.6
Storm Flow	10/22/2009		8:30	6.9	4.51	8.61	14.4
Base Flow	11/10/2009		14:10	6.8	4.68	8.59	21.8
Base Flow	11/23/2009		13:05	6.2	14.36	8.55	29.5
Base Flow	12/4/2009		10:15	0.0	18.37	8.74	56.0

This affects all DO readings between these dates for all sites

DO readings NOT accurate, device out of calibration - after 8/4/09 till 11/23/09

FIELD DATA - Measurements taken on site, 2009**CC3 - Clear Creek in Seaforth - Non-impacted stream/Western Corn Belt Plains****STORET CODE - S002-311**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1
Snowmelt/tile	3/24/2009		8:55	0.6	13.78	8.08	3.4
Base Flow	4/8/2009		9:15	4.7	12.45	8.34	60+
Base Flow	4/23/2009		9:00	10.6	11.52	8.30	52.8
Base Flow	5/7/2009		9:15	13.5	9.05	8.25	56.2
Base Flow	5/27/2009		9:25	13.9	7.02	8.44	60.0
Base Flow	6/4/2009		8:25	15.1	6.82	8.75	37.1
Storm Flow	6/15/2009		9:10	18.3	7.51	8.73	60+
Storm Flow	6/18/2009		8:25	18.2	7.38	8.68	60.0
Storm Flow	6/25/2009		8:30	22.0	5.87	8.10	60+
Base Flow	7/9/2009		8:50	19.4	6.42	8.19	60+
Base Flow	7/15/2009		8:40	20.0	5.97	8.32	60+
Base Flow	8/4/2009		8:45	21.4	4.98	8.54	38.7
Base Flow	8/26/2009		9:00	20.3	3.02	8.38	44.4
Base Flow	9/16/2009		8:40	17.8	3.28	8.24	37.4
Storm Flow	10/7/2009		9:00	8.9	5.06	8.31	32.6

FIELD DATA - Measurements taken on site, 2009**TC4A - Three Mile Creek near Green Valley - Non-impacted stream/Western Corn Belt Plains****STORET CODE - S002-313**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1
Snowmelt/tile	3/24/2009		9:45	3.7	11.90	8.02	7.2
Base Flow	4/8/2009		10:00	5.0	13.52	8.37	42.6
Base Flow	4/23/2009		9:45	11.9	10.34	8.24	38.0
Base Flow	5/7/2009		10:05	14.5	10.87	8.33	46.0
Base Flow	5/27/2009		10:20	13.6	7.20	8.39	36.3
Base Flow	6/4/2009		9:15	17.7	6.94	8.58	16.8
Base Flow	6/15/2009		10:00	20.1	6.06	8.61	22.7
Storm Flow	6/18/2009		9:30	22.5	6.28	8.65	26.6
Storm Flow	6/25/2009		9:15	24.3	6.36	8.22	20.4
Base Flow	6/30/2009		12:10	22.0	10.27	8.37	30.3
Base Flow	7/9/2009		9:30	21.4	6.89	8.22	25.5
Base Flow	7/15/2009		9:15	21.1	6.13	8.27	16.8
Base Flow	8/4/2009		9:30	22.4	5.85	8.12	21.2
Base Flow	8/26/2009		9:45	21.9	3.36	8.07	60.0
Base Flow	9/16/2009		9:20	18.9	3.27	7.78	60+
Storm Flow	10/7/2009		9:50	8.2	4.90	8.35	58.2

FIELD DATA - Measurements taken on site, 2009**RRUS - Redwood River at Russell - Non-impacted stream/Western Corn Belt Plains****STORET CODE - S000-696**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1
Base Flow	4/8/2009		11:30	5.2	15.17	8.55	36.6
Base Flow	4/23/2009		11:20	14.0	12.98	8.48	60+
Base Flow	5/7/2009		11:20	15.2	13.48	8.71	60+
Base Flow	5/27/2009		11:45	13.6	10.07	8.76	60+
Base Flow	6/4/2009		10:45	15.9	10.13	8.97	60+
Base Flow	6/15/2009		11:15	18.1	8.65	8.96	60+
Storm Flow	6/18/2009		10:45	21.3	8.42	8.99	41.5
Storm Flow	6/25/2009		10:15	23.6	7.92	8.36	42.3
Storm Flow	7/9/2009		10:45	21.2	8.01	8.34	23.1
Base Flow	7/15/2009		10:05	20.2	8.40	8.46	29.8
Base Flow	8/4/2009		10:45	20.6	8.66	8.45	60+
Base Flow	9/16/2009		10:50	17.2	3.83	8.17	60+
Storm Flow	10/7/2009		10:30	7.2	5.35	8.50	60+