

FIELD DATA - Measurements taken on site, 2013

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	Conductivity
Baseflow	1/15/2013		12:50	0.3	16.51	8.02	71+	2850
Baseflow	2/13/2013		9:45	0.2	7.90	7.71		2391
Baseflow	4/16/2013		10:05	4.5	12.52	8.94	30	1360
Storm Event	4/26/2013		10:30	8.2	11.18	8.29	24	630
Storm Event	4/29/2013		9:35	11.1	9.29	8.12	8	498
Storm Event	5/3/2013		8:50	7.4	11.01	8.06	10	955
Baseflow	5/7/2013		9:20	11.5	10.26	8.33	15	1067
Baseflow	5/21/2013		10:05	18.7	10.13	8.60	33	1295
Storm Event	6/10/2013		11:35	17.6	8.90	8.33	29	1386
Storm Event	6/11/2013		9:55	17.8	7.97	8.18	14	1319
Storm Event	6/13/2013		9:25	18.1	8.07	8.17	9	1209
Storm Event	6/17/2013		11:10	21.6	7.83	8.33	10	1279
Storm Event	6/24/2013		9:30	21.2	6.29	7.76	7	648
Storm Event	6/25/2013		11:15	20.7	6.51	7.81	8	749
Storm Event	6/27/2013		10:05	24.5	6.04	7.88	13	897
Storm Event	7/2/2013		10:10	22.0	7.29	8.16	11	1068
Storm Event	7/10/2013		9:35	24.2	7.37	8.32	21	1197
Baseflow	7/30/2013		10:50	21.4	7.42	8.29	34	1454
Baseflow	8/15/2013		10:05	21.7	10.41	8.46	19	1411
Baseflow	9/18/2013		9:45	18.7	8.51	8.41	21	2138
Baseflow	9/30/2013		10:00	16.3	10.98	8.77	21	1648
Storm Event	10/15/2013		9:30	10.5	9.66	8.38	30	1823
Storm Event	10/16/2013		16:25	11.3	12.08	8.63	30	1862
Storm Event	10/17/2013		12:45	9.6	11.25	8.79	39	1959
Baseflow	10/31/2013		11:05	6.0	12.37	8.52	69	1925
Baseflow	11/19/2013		12:50	2.2	17.45	9.96	>100	1880
Baseflow	12/27/2013		9:45	0.1	7.72	9.04	>100	2578

FIELD DATA - Measurements taken on site, 2013

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	Conductivity
Storm Event	4/28/2013		13:55	10.9	9.65	7.99	10	520
Storm Event	4/29/2013		10:30	10.0	9.59	8.04	10	509
Baseflow	5/7/2013		10:30	13.8	10.44	8.30	24	1393
Baseflow	5/29/2013		11:00	14.8	9.52	8.17	59	1521
Storm Event	6/11/2013		11:00	17.9	7.90	8.12	22	1543
Storm Event	6/24/2013		10:15	21.4	5.51	7.73	17	925
Storm Event	6/27/2013		11:10	22.3	6.42	7.84	16	1494
Storm Event	7/2/2013		11:00	21.1	6.99	8.07	20	1553
Baseflow	7/10/2013		10:20	23.1	7.76	8.23	44	1465
Baseflow	8/15/2013		11:05	21.6	7.52	8.11	17	1390
Baseflow	9/18/2013		10:35	18.0	7.37	7.94	17	1380
Baseflow	9/30/2013		10:50	17.1	8.42	8.01	20	1375
Baseflow	10/15/2013		10:20	10.0	8.97	8.06	28	1376

FIELD DATA - Measurements taken on site, 2013

NMRR2 - Redwood River, 0.5 mi North of Marshall on 300th Ave.

Non-impacted stream/Western Corn Belt Plains

STORET CODE - S001-203

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Snowmelt	4/3/2013		10:25	2.4	12.71	8.17	41	1222
Storm Event	4/28/2013		13:30	11.4	9.47	8.15	5	448
Storm Event	4/29/2013		11:00	9.4	10.20	8.24	3	375
Baseflow	5/7/2013		11:10	13.4	10.79	8.44	21	1205
Baseflow	5/29/2013		11:35	15.7	9.26	8.42	74	1537
Storm Event	6/11/2013		11:35	18.4	8.40	8.31	12	1158
Storm Event	6/24/2013		10:40	20.3	8.12	8.08	3	684
Storm Event	6/27/2013		11:40	24.0	7.73	8.20	7	695
Storm Event	7/2/2013		11:30	22.1	7.81	8.39	13	885
Baseflow	7/10/2013		10:40	23.6	7.85	8.37	34	1305
Baseflow	8/15/2013		11:35	22.0	12.92	8.58	>100	2556
Baseflow	9/18/2013		11:10	21.5	10.27	8.41	>100	3163
Baseflow	9/30/2013		11:15	18.1	12.86	8.54	>100	3599
Baseflow	10/15/2013		10:45	11.7	8.70	8.11	45	1506

FIELD DATA - Measurements taken on site, 2013

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	Conductivity
Snowmelt	4/3/2013		11:10	0.3	13.08	8.12	27	691
Baseflow	4/16/2013		11:40	4.5	13	8.47	60	968
Storm Event	4/28/2013		12:50	10.2	10.07	8.12	6	327
Storm Event	4/29/2013		11:40	9.2	10.18	8.15	6	303
Baseflow	5/7/2013		11:45	15.2	11.34	8.72	40.0	836
Baseflow	5/29/2013		12:15	16.6	9.41	8.33	>100	997
Storm Event	6/11/2013		12:10	18.2	8.58	8.25	22	972
Storm Event	6/24/2013		11:10	19.7	7.6	8.08	8	621
Storm Event	6/27/2013		12:15	25.2	7.28	8.05	12	590
Storm Event	7/2/2013		12:05	22.8	7.79	8.30	21	702
Baseflow	7/10/2013		11:15	22.9	8.24	8.35	47	838
Baseflow	8/15/2013		12:15	19.9	10.22	8.34	35	1051
Baseflow	9/18/2013		11:45	19.4	9.2	8.08	>100	1536
Baseflow	9/30/2013		11:55	16.8	9.14	8.09	83	1480
Baseflow	10/15/2013		11:20	9.3	9.96	8.17	96	1612