

FIELD DATA - Measurements taken on site, 2018

RR1 - Primary Lower Redwood River at Redwood CR17 near Redwood Falls - Non-impacted

STORET CODE - S001-679

2018 Wateryear (Oct 1, 2017 to Sept. 30, 2018)

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Winter Base	1/9/2018		12:55				>100	
Winter Base	2/14/2018		12:55				94	
Snowmelt	3/22/2018		10:55	1.0	12.73	7.82	13	660
Snowmelt	3/25/2018		13:30				7	
Snowmelt	3/26/2018		11:15				9	
Snowmelt	3/29/2018		10:45	2.7	12.44	7.85	8	728
Snowmelt	4/12/2018		11:50	3.7	11.77	7.92	10	578
Snowmelt - Event	4/20/2018		12:00	5.0	11.83	7.84	12	828
Snowmelt - Event	4/21/2018		14:50	4.0	11.70	7.67	10	500
Snowmelt - Event	4/23/2018		15:10	9.6	9.16	7.67	14	500
Snowmelt - Event	4/25/2018		11:40	7.7	9.46	7.78	9	510
Snowmelt - Event	5/3/2018		11:20	15.9	9.07	8.23	23	846
Base	5/18/2018		11:15	20.4	8.90	8.49	29	1019
Storm Event	5/24/2018		10:15	17.9	7.83	8.19	8	985
Storm Event	5/27/2018		10:15				15	
Storm Event	6/13/2018		13:05	19.0	8.22	8.27	13	1033
Storm Event	6/20/2018		12:30	17.9	8.16	8.37	9	1090
Storm Event	6/21/2018		13:30				7	
Storm Event	6/27/2018		10:30				36	
Storm Event	7/3/2018		12:00				5	
Storm Event	7/5/2018		17:50				15	
Storm Event	7/9/2018		11:20	26.0	4.92		45	585
Storm Event	7/18/2018		11:40	25.1	6.18		19	929
Storm Event	7/20/2018		10:55	21.5	6.37		12	743
Storm Event	7/30/2018		11:25	22.1	7.44		13	1026
Base	8/23/2018		11:15	19.9	8.49		16	1034
Storm Event	9/20/2018		12:10				10	
Storm Event	9/21/2018		10:40	15.4	7.58		7	701
Base	9/28/2018		11:15	12.4	8.80		28	1074
Storm Event	10/10/2018		14:40				10	
Base	10/31/2018		11:20				24	
Base	11/15/2018		11:55				25	
Base	12/19/2018		12:55					

Reporting timeframe has changed from the USGS Wateryear (Oct. 1 to Sept. 30)

To a calendar year system.

FIELD DATA - Measurements taken on site, 2018

NMRR2 - Redwood River, 0.5 mi North of Marshall on 300th Ave. - Non-impacted stream/Wetland

STORET CODE - S001-203 **2018 Wateryear (Oct 1, 2017 to Sept. 30, 2018)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Snowmelt	3/14/2018		15:40				37	
Snowmelt	3/21/2018		12:40	0.8	14.26	8.12	9	659
Snowmelt	4/11/2018		15:00	4.2	13.34	8.08	5	630
Snowmelt - Event	4/22/2018		16:20	5.1	12.98	7.96	5	470
Snowmelt - Event	4/24/2018		12:20	6.6	11.71	7.87	3	347
Snowmelt - Event	5/2/2018		13:10				9	
Base	5/17/2018		12:30	20.3	9.01	8.56	27	891
Base	6/6/2018		12:35				33	
Storm Event	6/20/2018		11:35	18.6	8.68	8.38	5	607
Storm Event	6/25/2018		14:15				5	
Storm Event	7/3/2018		10:25				5	
Storm Event	7/4/2018		12:15				5	
Storm Event	7/7/2018		9:20				6	
Storm Event	7/17/2018		14:10				9	
Base	8/1/2018		12:30				22	
Base	8/22/2018		11:05	19.9	8.52		21	
Storm Event	9/20/2018		13:15				7	
Storm Event	9/21/2018		14:24				25	
Base	10/3/2018		9:15	12.7	9.76		17	1010
Storm Event	10/10/2018		12:40				6	
Base	10/31/2018		12:15				22	

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To a calendar year system.

FIELD DATA - Measurements taken on site, 2018

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

STORET CODE - S000-696 **2018 Wateryear (Oct 1, 2017 to Sept. 30, 2018)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Snowmelt	3/21/2018		12:00	0.7	12.79	7.74	12	574
Snowmelt	4/11/2018		14:05	3.1	12.59	7.90	10	484
Snowmelt - Event	4/22/2018		17:15	4.0	11.63	7.73	3	328
Snowmelt - Event	4/24/2018		13:00	5.9	10.36	7.77	6	335
Snowmelt - Event	5/2/2018		13:50				15	
Base	5/17/2018		13:15	21.0	10.02	8.60	50	719
Base	6/6/2018		11:55				38	
Storm Event	6/19/2018		9:10				3	
Storm Event	6/20/2018		10:45	18.1	7.96	8.24	6	500
Storm Event	6/25/2018		13:30				11	
Storm Event	7/3/2018		9:35				4	
Storm Event	7/5/2018		9:30				17	
Storm Event	7/6/2018		12:00				12	
Storm Event	7/17/2018		13:15				20	
Base	8/1/2018		11:40				38	
Base	8/22/2018		11:40	18.7	8.77		32	719
Storm Event	9/20/2018		13:55				4	
Storm Event	9/21/2018		13:30				18	
Base	10/3/2018		10:40	13.6	9.02		22	830
Storm Event	10/10/2018		12:00				7	
Base	10/31/2008		12:50				40	

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