FIELD DATA - Measurements taken on site, 2016

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

STORET CODE - S001-679 **2016 Wateryear (Oct 1, 2015 to Sept. 30, 2016)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Base	1/29/2016		11:15					
Base	2/26/2016		11:05				72	
Snowmelt	3/7/2016		10:55				6	
Snowmelt	3/11/2016		10:20				5	
Base	3/22/2016		11:35	6.4	11.44	8.51	17	1127
Storm Event	3/31/2016		11:05	8.1	11.40	8.53	11	1265
Base	4/13/2016		10:35	7.7	11.28	8.52	20	1264
Storm Event	4/22/2016		10:20	13.9	9.65	8.47	15	1270
Storm Event	4/27/2016		10:35	11.2	10.01	8.50	21	1360
Storm Event	4/29/2016		10:50	7.9	10.91	8.73	12	1301
Storm Event	5/2/2016		11:50	11.7	10.33	8.35	13	1450
Storm Event	5/12/2016		11:40	12.9	9.52	8.35	18	1342
Storm Event	5/24/2016		10:45	19.7	8.61	8.28	26	1370
Storm Event	5/31/2016		8:45	19.5	8.08	8.16	13	1228
Storm Event	6/2/2016		13:10	19.3	8.51	8.30	9	1369
Storm Event	6/7/2016		9:55	17.9	8.66	8.17	13	1366
Storm Event	6/21/2016		10:40				17	
Storm Event	7/12/2016		10:30	24.4	8.18	8.34	37	1328
Storm Event	7/17/2016		13:20	23.7	7.54	8.01	12	
Storm Event	7/18/2016		16:10	24.7	6.57	7.77	10	
Storm Event	7/20/2016		11:45	25.8	6.65	7.88	8	951
Storm Event	7/28/2016		11:40	24.3	8.00	8.21	17	
Storm Event	8/12/2016		11:40	21.2	6.98	8.02	4	425
Storm Event	8/20/2016		7:40				19	
Storm Event	9/1/2016		10:55	20.3	8.64	7.88	34	
Storm Event	9/7/2016		14:10	20.5	7.90	7.84	23	
Storm Event	9/26/2016		12:40	15.6	9.24	8.12	31	
Storm Event	10/7/2016		14:50				14	
Storm Event	10/10/2016		10:15	11.9	9.40	7.84		
Base	11/14/2016		11:30	6.9	12.62	8.32	>100	1423
Storm Event	11/30/2016		14:10	4.5	11.66	8.21	29	1477
Storm Event	12/5/2016		13:20	3.8	12.29	8.23	52	

Reporting timeframe has changed from the USGS Wateryear (Oct. 1 to Sept. 30)
To a calendar year system.

FIELD DATA - Measurements taken on site, 2016

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

STORET CODE - S001-203 **2016 Wateryear (Oct 1, 2015 to Sept. 30, 2016)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Base	3/2/2016		12:40				37	
Snowmelt	3/9/2016		16:15				5	
Snowmelt	3/11/2016		11:15				10	
Base	3/22/2016		10:40	6.3	11.33	8.53	23	1052
Storm Event	3/30/2016		14:30	8.1	11.56	8.47	19	1161
Base	4/13/2016		11:35	8.9	11.30	8.51	33	1133
Storm Event	4/22/2016		11:15	13.4	10.02	8.32	23	1169
Storm Event	4/28/2016		14:40				20	
Storm Event	5/11/2016		14:55	15.4	8.93	8.13	27	1068
Base	5/24/2016		11:40	20.2	8.77	8.22	46	1228
Storm Event	5/29/2016		8:15	17.7	8.44	8.31	14	1029
Storm Event	5/31/2016		12:45	21.3	8.12	8.26	14	1115
Storm Event	6/7/2016		11:30	19.1	8.69	8.35	22	
Base	6/29/2016		16:15	27.7	8.96	8.33	72	
Base	7/12/2016		11:45	25.0	8.07	8.37	37	
Storm Event	7/17/2016		14:50	23.7	6.98	7.91	3	
Storm Event	7/18/2016		14:20	23.5	7.48	7.99	4	
Base	7/27/2016		14:50				17	
Base	8/17/2016		12:45				>100	
Base	9/1/2016		12:15	24.1	11.76	8.31	>100	
Storm Event	9/25/2016		17:25	18.1	8.70	8.18	45	
Storm Event	10/5/2016		11:40	15.9	8.71	7.92	42	1326
Storm Event	10/7/2016		13:25				22	
Storm Event	10/10/2016		11:15	11.9	9.62	8.10	27	1272
Base	10/31/2016		9:50	9.6	10.52	7.95	>100	1362

FIELD DATA - Measurements taken on site, 2016

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

STORET CODE - S000-696 **2016 Wateryear (Oct 1, 2015 to Sept. 30, 2016)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Snowmelt	3/2/2016		11:45				34	
Snowmelt	3/9/2016		15:30				11	
Snowmelt	3/11/2016		11:50				15	
Base	3/22/2016		9:50	5.2	11.47	8.49	28	900
Storm Event	3/30/2016		13:45	7.3	11.76	8.34	29	1040
Base	4/13/2016		12:15	8.5	12.05	8.54	40	953
Storm Event	4/22/2016		12:00	12.1	10.69	8.35	31	1070
Storm Event	4/28/2016		13:55				20	
Storm Event	5/11/2016		14:00	14.5	9.47	8.25	44	980
Base	5/24/2016		12:25	19.4	10.05	8.38	53	989
Storm Event	5/29/2016		7:17	15.3			11	
Storm Event	5/31/2016		13:25	20.0	8.61	8.32	19	1008
Base	6/7/2016		12:40	17.9	9.51	8.27	29	973
Base	6/29/2016		15:15	26.2	9.45	8.35	>100	
Base	7/12/2016		12:35	24.0	8.24	8.32	37	
Storm Event	7/17/2016		15:30	22.3	7.07	7.71	3	450
Storm Event	7/18/2016		13:00	22.5	7.28	7.88	8	620
Base	7/27/2016		15:25					
Base	8/17/2016		12:05				54	
Base	9/1/2016		12:50	22.0	10.10	8.08	94	
Storm Event	9/25/2016		16:40	17.4	8.66	8.14	23	992
Storm Event	10/5/2016		12:25	14.0	8.94	8.16	16	1022
Storm Event	10/7/2016		12:25				18	
Storm Event	10/10/2016		12:00	11.8	9.61	7.91	30	
Base	10/31/2016		10:45	8.4	11.23	7.97	90	1023