

CHEMICAL DATA - Analytes tested for in a lab, 2021 - MVT, New Ulm

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

STORET CODE - S001-679

2021 Wateryear (Oct 1, 2020 to Sept. 30, 2021)

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L
Winter - Base	Grab	2/23/2021	11:45		21-A6971	6		2.3	6.02	0.343	0.428
Snowmelt	Grab	3/8/2021	11:00		21-A9030	80		2.2	2.85	0.231	0.410
Snowmelt	Grab	3/10/2021	15:00		21-A9772	568		3.4	2.23	0.092	0.680^
Base	Grab	3/19/2021	11:05		21-A11038	52		1.4	3.04	0.102	0.174
Storm Event	Grab	3/25/2021	11:25		21-A11865	181		1.8	5.11	0.073	0.297
Storm Event	Grab	3/29/2021	11:25		21-A13344	131		1.8	4.85	0.057	0.232
Storm Event	Grab	4/8/2021	14:35		21-A16001	193		1.4	3.13	0.036	0.288
Storm Event	Grab	4/9/2021	10:30		21-A16003	317		2.1	5.56	0.054	0.398
Storm Event	Grab	4/10/2021	14:00		21-A16127	310		2.3	7.62	0.063*	0.379
Storm Event	Grab	4/12/2021	11:15		21-A16131	225		2.0	8.00	0.066	0.302
Base	Grab	4/15/2021	11:55		21-A16973	87		1.7	6.36	0.042	0.169
Base	Grab	4/29/2021	10:50		21-A19745	35		1.4	4.41	0.038	0.091
Base	Grab	5/26/2021	10:40		21-A25187	48		1.6	2.79	0.048	0.174
Base	Grab	6/21/2021	10:50		21-A29798	44		1.8	2.02	0.129	0.201
Base	Grab	7/30/2021	12:05		21-A38357	97		2.3	<0.05	<0.005	0.343
Minor Event	Grab	8/27/2021	12:00		21-A43176	137		3.8	<0.05	0.020	0.381
Base	Grab	9/9/2021	12:15		21-A45106	60		2.1	<0.05	<0.005	0.168
Base	Grab	10/19/2021	11:30		21-A53165	39		1.4	2.12	0.117	0.218
Minor Event	Grab	10/29/2021	11:45		21-A55727	28		1.1	2.14	0.222	0.316
Base	Grab	11/29/2021	11:50		21-A62946	4		0.7	3.50	0.115	0.176
Base	Grab	12/20/2021	11:35		21-A67879	3		1.0	3.28	0.134	0.179

^ Sample Diluted due to result above calibration of linear range

* Sample Exceeded Holding Time

_@ = Reporting limit elevated due to Sample Matrix

CHEMICAL DATA - Analytes tested for in a lab, 2021 - MVTL, New Ulm**NMRR2 - Redwood River, 0.5 mi North of Marshall on 300th Ave. -****STORET CODE - S001-203****2021 Wateryear (Oct 1, 2020 to Sept. 30, 2021)**

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L
Snowmelt	Grab	3/9/2021	12:35		21-A9769	699		4.1	2.27		0.720^
Storm Event	Grab	3/24/2021	13:40		21-A11862	433		2.1	3.72		0.461
Storm Event	Grab	3/31/2021	12:15		21-A14086	90		1.8	4.01		0.201
Storm Event	Grab	4/9/2021	11:30		21-A16004	310		2.0	4.74		0.390
Base	Grab	4/14/2021	13:30		21-A16970	59		2.0	4.73		0.181
Base	Grab	4/28/2021	13:15		21-A19742	16		1.8	3.91		0.089
Base	Grab	5/25/2021	13:10		21-A25214	49		1.9	2.87		0.204
Base	Grab	6/23/2021	12:40		21-A30712	12		1.9	5.58		0.610^
Base	Grab	7/15/2021	15:40		21-A35511	10		1.5	6.41		0.690^
Base	Grab	7/28/2021	11:20		21-A38354	15		1.9	7.17		0.442
Base	Grab	9/7/2021	12:00		21-A45103	28		1.4	12.50		1.00^
Base	Grab	9/22/2021	11:20		21-A48367	4		1.7	8.65		0.780^
Base	Grab	10/27/2021	10:05		21-A55724	5		1.4	7.70		0.799^

^ Sample Diluted due to result above calibration of linear range

* Sample Exceeded Holding Time

CHEMICAL DATA - Analytes tested for in a lab, 2021 - MVTL, New Ulm

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

STORET CODE - S000-696

2021 Wateryear (Oct 1, 2020 to Sept. 30, 2021)

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L
Snowmelt	Grab	3/9/2021	11:55		21-A9770	438		3.4	2.08		0.470^
Storm Event	Grab	3/24/2021	13:00		21-A11863	383		2.2	6.09		0.456
Storm Event	Grab	3/31/2021	11:35		21-A14087	58		1.7	3.76		0.119
Storm Event	Grab	4/9/2021	12:15		21-A16005	172		1.8	5.79		0.236
Base	Grab	4/14/2021	12:45		21-A16971	39		1.7	4.65		0.073
Base	Grab	4/28/2021	12:35		21-A19743	9		1.8	3.39		0.024
Base	Grab	5/25/2021	12:35		21-A25215	36		1.9	3.07		0.065
Base	Grab	6/23/2021	11:45		21-A30713	3		1.6	1.14		0.031
Base	Grab	7/28/2021	10:45		21-A38355	16		1.1	0.10		0.054
Base	Grab	9/7/2021	11:20		21-A45104	28		0.9	<0.05		0.029
Base	Grab	10/27/2021	9:30		21-A55725	4		0.7	1.00		0.025

^ Sample Diluted due to result above calibration of linear range

* Sample Exceeded Holding Time