

CHEMICAL DATA - Analytes tested for in a lab, 2025 - MVTL, New Ulm

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

STORET CODE - S001-679

2025 Wateryear (Oct 1, 2024 to Sept. 30, 2025)

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	1/27/2025	12:15		76950002	3			8.12	0.272	0.435
Winter/Base	Grab	2/24/2025	12:20		78977001	6			6.19	0.309	0.449
Snowmelt	Grab	3/14/2025	12:55		80722001	28			2.57	0.161	0.270
Base	Grab	3/28/2025	12:20		81936002	15			1.35	0.118	0.189
Base	Grab	4/3/2025	9:10		82624002	30			4.50	0.172	0.268
Base	Grab	4/17/2025	11:10		83885002	17			6.24	0.042	0.160
Storm Event	Grab	4/29/2025	14:50		85307001	126			8.79	0.122*	0.345
Storm Event	Grab	5/9/2025	11:35		86204002	32			6.40	0.086	0.143
Storm Event	Grab	5/21/2025	12:15		87311004	176			14.88	0.130	0.396
Storm Event	Grab	5/22/2025	12:00		87462002	262			13.28	0.089	0.399
Storm Event	Grab	5/23/2025	10:30		87567001	242		2.43	15.74	0.075	0.335
Storm Event	Grab	5/28/2025	11:10		87825004	44			11.72	0.075	0.221
Base	Grab	6/13/2025	9:15		89674002	56			8.33	0.085	0.167
Storm Event	Grab	6/26/2025	14:40		90906002	196			7.83	0.132	0.358
Storm Event	Grab	6/27/2025	9:15		90996001	250			10.38	0.135	0.368
Storm Event	Grab	6/28/2025	13:00		91054002	263			12.93	0.144	0.410
Storm Event	Grab	6/29/2025	12:00		91054004	310			14.18	0.151	0.470
Storm Event	Dup	6/29/2025	12:05		91054005	310			14.03	0.157	0.480
Storm Event	Grab	7/1/2025	11:40		91241002	274			14.37	0.130	0.430
Storm Event	Grab	7/7/2025	11:05		91660002	162			6.72	0.125	0.293
Base	Grab	7/15/2025	9:10		92499002	94			5.30	0.123	0.220
Storm Event	Grab	7/19/2025	13:15		93094001	230			6.15	0.242	0.576
Storm Event	Grab	7/20/2025	13:45		93094003	252			8.44	0.163	0.394
Storm Event	Grab	7/22/2025	9:20		93219001	94			7.62	0.187	0.306
Base	Grab	7/30/2025	14:35		94230002	88			10.77	0.132	0.231
Base	Grab	8/15/2025	9:50		96162002	42			4.02	0.026	0.143
Storm Event	Grab	8/18/2025	11:10		96355001	234			7.58	0.159	0.390
Storm Event	Grab	8/20/2025	10:10		96652002	107			6.87	0.161	0.316
Storm Event	Grab	8/21/2025	9:15		97090002	81			5.27	0.169	0.303
Storm Event	Grab	8/27/2025	11:20		97768002	63			5.80	0.173	0.251
Base	Grab	9/15/2025	10:30		100233002	14			7.46	0.093	0.134
Base	Grab	10/9/2025	9:15		103561004	7			6.93	0.017	0.036
Base	Grab	10/29/2025	10:15		105748002	9			6.71	0.048	0.078
Base	Grab	11/13/2025	11:05		107413002	4			10.01	0.080	0.100
Base	Grab	12/11/2025	12:15		110089002	9			9.29	0.145	0.174

* Sample Exceeded Holding Time

CHEMICAL DATA - Analytes tested for in a lab, 2025 - MVTL, New Ulm

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

STORET CODE - S001-203

2025 Wateryear (Oct 1, 2024 to Sept. 30, 2025)

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	3/12/2025	14:20		80614001	10			6.95		1.01_@
Base	Grab	4/8/2025	13:45		83334001	47			7.34		0.337
Storm Event	Grab	4/29/2025	12:40		85307002	154			3.54		0.409
Base	Grab	5/9/2025	12:20		86204003	21			4.93		0.272
Storm Event	Grab	5/20/2025	15:50		87311001	101			2.94		0.323
Storm Event	Grab	5/21/2025	10:30		87311005	536			10.01		0.590
Storm Event	Grab	5/22/2025	10:50		87462003	352			12.94		0.439
Storm Event	Grab	5/27/2025	15:45		87825001	92			7.82		0.293
Storm Event	Grab	6/25/2025	13:55		90907001	152			5.94		0.337
Storm Event	Grab	6/27/2025	15:55		91061001	348			10.37		0.480
Storm Event	Grab	6/30/2025	16:00		91242001	566			9.08		0.660
Storm Event	Dup	6/30/2025	16:05		91242003	540			9.17		0.650
Storm Event	Grab	7/2/2025	14:15		91588001	259			7.51		0.409
Storm Event	Grab	7/21/2025	15:00		93219004	88			3.87		0.239
Base	Grab	7/23/2025	11:10		93547001	65			3.50		0.206
Base	Grab	8/13/2025	11:00		96159001	33			2.69		0.282
Storm Event	Grab	8/17/2025	12:15		96354001	756			1.07		0.790
Storm Event	Grab	8/19/2025	11:20		96652004	320			4.46		0.480
Base	Grab	8/27/2025	10:35		97768003	35			4.33		0.248
Base	Grab	9/10/2025	11:50		99904001	10			4.53		0.495
Base	Grab	10/8/2025	13:35		103561001	10			7.44		0.811
Base	Grab	10/29/2025	11:40		105748003	9			6.99		0.642

_@ = Matrix spike and/or matrix spike duplicate recovery was high; the associated laboratory fortified blank recovery was acceptable.

CHEMICAL DATA - Analytes tested for in a lab, 2025 - MVTL, New Ulm

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

STORET CODE - S000-696

2025 Wateryear (Oct 1, 2024 to Sept. 30, 2025)

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	3/12/2025	13:30		80614002	9			0.72		0.044
Base	Grab	4/8/2025	13:00		83334002	17			9.13		0.080
Storm Event	Grab	4/29/2025	12:05		85307003	49			7.29		0.091
Base	Grab	5/9/2025	13:25		86204004	8			3.33		0.026
Storm Event	Grab	5/20/2025	15:10		87311002	483			9.66		0.481
Storm Event	Grab	5/21/2025	9:55		87311006	325			14.14		0.432
Storm Event	Grab	5/22/2025	10:10		87462004	168			13.03		0.237
Base	Grab	5/27/2025	15:05		87825002	50			7.00		0.081
Storm Event	Grab	6/25/2025	13:15		90907002	60			9.13		0.145
Storm Event	Grab	6/27/2025	15:05		91061002	205			13.05		0.320
Storm Event	Grab	6/30/2025	15:20		91242002	414			6.53		0.570
Storm Event	Grab	7/2/2025	13:35		91588002	181			7.47		0.311
Base	Grab	7/23/2025	9:55		93547002	45			2.76		0.145