

**FIELD DATA - Measurements taken on site, 2025**

Minnesota River at Morton - Minnesota River where crossed by MN State Hwy 19 just West of Morton

Non-impacted stream/Western Corn Belt Plains

**STORET CODE - S000-145****USGS ID - 05316580****EQuIS ID - E28012001**

<b>Flow Type</b>	<b>Date</b>	<b>FLOW</b>	<b>Time</b>	<b>Temp ©</b>	<b>DO</b>	<b>pH</b>	<b>TT 1</b>	<b>Conductivity</b>
Winter/Base	1/27/2025		13:15				37	
Snowmelt	3/13/2025		11:15				26	
Base	3/28/2025		11:35				32	
Storm Event	4/3/2025		9:40				24	
Storm Event	4/4/2025		11:40				18	
Storm Event	4/7/2025		11:30				17	
Storm Event	4/17/2025		10:35				21	
Storm Event	4/30/2025		7:00				NA	
Storm Event	5/9/2025		11:00				11	
Storm Event	5/21/2025		13:00				7	
Storm Event	5/22/2025		12:25				6	
Storm Event	5/28/2025		10:20				17	
Base	6/13/2025		10:20				21	
Storm Event	6/15/2025		14:20				4	
Storm Event	6/16/2025		8:35				5	
Storm Event	6/18/2025		17:10				10	
Storm Event	6/19/2025		11:40				11	
Storm Event	6/26/2025		12:30				7	
Storm Event	6/28/2025		13:25				15	
Storm Event	6/29/2025		11:20				16	
Storm Event	7/1/2025		11:00				21	
Storm Event	7/7/2025		11:40				30	
Storm Event	7/15/2025		10:05				31	
Storm Event	7/30/2025		15:05					
Storm Event	8/15/2025		9:15				31	
Storm Event	8/20/2025		9:25				21	
Storm Event	8/21/2025		10:05				23	
Storm Event	8/27/2025		12:05				42	
Base	9/15/2025		9:45				22	
Base	10/9/2025		10:05				22	
Base	10/29/2025		9:30					
Base	11/13/2025		10:35				36	
Base	12/11/2025		12:50				9	

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

Minnesota River at Morton - Minnesota River where crossed by MN State Hwy 19 just West of Morton

Non-impacted stream/Western Corn Belt Plains

STORET CODE - S000-145

USGS ID - 05316580

EQuIS ID - E28012001

SAMP TYPE	DATE	LAB SAMPLE ID #	TIME	TSS MG/L	TSVS MG/L	P-PO4 MG/L	TP MG/L	TURBIDITY NTU	N- NO2+NO3 MG/L
Winter/Base	1/27/2025	76950001	13:15	9		0.007	0.070		0.97
Snowmelt	3/13/2025	80614003	11:15	40		0.036	0.121		0.62
Base	3/28/2025	81936001	11:35	31		0.008	0.086		0.36
Storm Event	4/3/2025	82624001	9:40	52		0.008	0.108		1.03
Storm Event	4/4/2025	82624005	11:40	80		0.026	0.157		2.08
Storm Event	4/7/2025	82716001	11:30	80		0.061	0.197'		5.68
Storm Event	4/17/2025	83885001	10:35	70		<0.005	0.143		2.91
Storm Event	4/30/2025	85303001	7:00	83		0.007*	0.153		3.47
Storm Event	5/9/2025	86204001	11:00	65		<0.005	0.102		1.65
Storm Event	5/21/2025	87311003	13:00	256		0.076	0.369		8.35
Duplicate	5/21/2025	87311010	13:05	260			0.412		8.51
Storm Event	5/22/2025	87462001	12:25	267		0.094	0.308		12.82
Storm Event	5/28/2025	87825003	10:20	84		0.017	0.156		7.28
Base	6/13/2025	89674001	10:20	63		0.027	0.129		4.34
Storm Event	6/15/2025	89704001	14:20	383		0.135	0.476		7.50
Storm Event	6/16/2025	89704002	8:35	260		0.134	0.399		8.65
Storm Event	6/18/2025	90272001	17:10	106		0.135	0.258		10.08
Storm Event	6/19/2025	90272002	11:40	91		0.119	0.242		9.91
Storm Event	6/26/2025	90906001	12:30	222		0.137	0.399		5.80
Storm Event	6/28/2025	91054001	13:25	70		0.162	0.268		7.83
Storm Event	6/29/2025	91054003	11:20	62		0.150	0.237		7.99
Storm Event	7/1/2025	91241001	11:00	34		0.156	0.216		8.34
Storm Event	7/7/2025	91660001	11:40	22		0.140	0.220		3.28
Storm Event	7/15/2025	92499001	10:05	41		0.214	0.292		2.39
Storm Event	7/30/2025	94230001	15:05	95		0.159	0.266		5.71
Storm Event	8/15/2025	96162001	9:15	35		0.152	0.228		1.55
Storm Event	8/20/2025	96652001	9:25	54		0.158	0.255		4.58
Storm Event	8/21/2025	97090001	10:05	40		0.125	0.233		4.80
Storm Event	8/27/2025	97768001	12:05	34		0.163	0.222		3.32
Base	9/15/2025	100233001	9:45	54		0.128	0.199		1.87
Base	10/9/2025	103561003	10:05	58		0.047	0.215		2.37
Base	10/29/2025	105748001	9:30	51		0.005	0.12		2.63
Base	11/13/2025	107413001	10:35	24		0.013	0.082		4.01
Base	12/11/2025	110089001	12:50	100		0.013	0.108		3.65

\* = Holding Time Exceeded

^ = sample diluted due to result above calibration or linear range

\_@= Reporting limit elevated due to sample matrix

\_ ' = The reporting limit for this analyte has been raised to account for the reporting limit verification standard - 2024