

**FIELD DATA - Measurements taken on site, 2024**

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 - event?	1/3/2024		12:10				39	
Iceout	2/25/2024		12:30				39	
Base	3/18/2024		11:20				62	
Base	4/1/2024		11:30				61	
Storm Event	4/5/2024		10:55				33	
Storm Event	4/9/2024		14:40				40	
Storm Event	4/11/2024		12:10				24	
Storm Event	4/17/2024		12:30				12	
Storm Event	4/18/2024		11:15				13	
Storm Event	4/19/2024		10:35				17	
Storm Event	4/22/2024		11:35				23	
Storm Event	4/29/2024		9:45				19	
Storm Event	4/30/2024		11:00				10	
Storm Event	5/1/2024		15:00				12	
Storm Event	5/6/2024		11:50				19	
Storm Event	5/9/2024		11:15				20	
Storm Event	5/13/2024		12:00				19	
Storm Event	5/23/2024		11:30				20	
Storm Event	5/30/2024		11:30				31	
Storm Event	6/5/2024		9:45				20	
Storm Event	6/18/2024		13:30				9	
Storm Event	6/23/2024		15:35				8	
Storm Event	6/26/2024		12:05				17	
Storm Event	7/9/2024		16:55					
Base	7/29/2024		10:10				13	
Base	8/29/2024		11:00				22	
Base	9/19/2024		12:10				20	
Base	10/24/2024		11:40				33	
Base	11/18/2024		11:35				73	

**CHEMICAL DATA - Analytes tested for in a lab, 2024 - MVTL, New Ulm**

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**USGS ID - 05316580**

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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	TKN MG/L
Winter - Event?	1/3/2024	37903001	12:10	25		0.033	0.102		2.14	1.09
Snowmelt	2/25/2024	41553001	12:30	25		0.007	0.071		0.87	0.942
Base	3/18/2024	43125001	11:20	13		<0.02'	0.052		0.26	0.767
Base	4/1/2024	44193001	11:30	12		<0.005	0.049		0.78	0.868
Storm Event	4/5/2024	44759001	10:55	30		<0.005	0.058		2.00	0.769
Storm Event	4/9/2024	45013001	14:40	26		0.005	0.071		3.20	1.10
Storm Event	4/11/2024	45296001	12:10	57		0.008	0.097		3.05	0.725
Storm Event	4/17/2024	45804001	12:30	135		0.015	0.160		3.79	1.65
Storm Event	4/18/2024	45930001	11:15	122		0.017	0.182		6.47	1.69
Storm Event	4/19/2024	46055001	10:35	100		0.018	0.155		8.60	1.61
Storm Event	4/22/2024	46135001	11:35	62		0.011	0.114		6.37	1.32
Storm Event	4/29/2024	46801001	9:45	86		0.014	0.136		6.92	1.36
Storm Event	4/30/2024	46924001	11:00	163		0.043	0.220		11.12	1.48
Storm Event	5/1/2024	47251001	15:00	102		0.066	0.207		12.60	1.26
Storm Event	5/6/2024	47524001	11:50	49		0.046	0.125		10.23	1.31
Storm Event	5/9/2024	48079001	11:15	59		0.039	0.135		9.31	1.23
Storm Event	5/13/2024	48291001	12:00	71		0.012	0.087		6.13	1.79
Storm Event	5/23/2024	49488001	11:30	42		0.013	0.096		3.61	1.26
Storm Event	5/30/2024	50035004	11:30	36		0.029	0.096		4.96	1.72
Storm Event	6/5/2024	50561001	9:45	58		0.091	0.165		8.11	0.744
Storm Event	6/18/2024	52008001	13:30	103		0.187	0.296		7.10	1.79