

FIELD DATA - Measurements taken on site, 2021

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

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Winter	2/23/2021		10:50				87	
Snowmelt	3/10/2021		15:45				14	
Snowmelt	3/11/2021		11:35				7	
Base	3/19/2021		10:25				33	
Storm Event	3/25/2021		10:30				12	
Storm Event	3/29/2021		10:45				22	
Storm Event	4/9/2021		10:00				19	
Storm Event	4/10/2021		13:30				12	
Storm Event	4/12/2021		11:45				8	
Storm Event	4/15/2021		11:15				15	
Base	4/29/2021		10:10				15	
Base	5/13/2021		11:10				21	
Base	5/26/2021		11:30				16	
Base	6/21/2021		10:15				15	
Base	7/30/2021		11:20				22	
Minor Event	8/9/2021		12:20				16	
Minor Event	8/27/2021		11:25				10	
Minor Event	8/30/2021		11:10				20	
Minor Event	9/9/2021		11:45				12	
Minor Event	9/27/2021		11:30				20	
Minor Event	10/15/2021		10:45				18	
Minor Event	10/18/2021		11:55				18	
Minor Event	10/21/2021		13:50				14	
Minor Event	10/23/2021		12:45				15	
Minor Event	10/29/2021		11:10				19	
Base	11/29/2021		11:00				42	

AIS - no probes in use here

CHEMICAL DATA - Analytes tested for in a lab, 2021 - 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	TKN MG/L
Winter	2/23/2021	21-A6970	10:50	9		0.031	0.069		1.07	1.6
Snowmelt	3/10/2021	21-A9771	15:45	92		0.087	0.252		1.68	2.3
Snowmelt	3/11/2021	21-A9773	11:35	188		0.093	0.364		2.19	2.4
Base	3/19/2021	21-A11037	10:25	39		0.012	0.109		1.33	1.8
Storm Event	3/25/2021	21-A11864	10:30	89		0.060	0.190		5.44	1.8
Storm Event	3/29/2021	21-A13343	10:45	47		0.026	0.126		4.32	2.4
Storm Event	4/9/2021	21-A16002	10:00	88		0.022	0.160		3.70	1.2
Storm Event	4/10/2021	21-A16126	13:30	139		0.036*	0.197		6.81	2.0
Storm Event	4/12/2021	21-A16130	11:45	153		0.037	0.194		6.70	2.1
Storm Event	4/15/2021	21-A16972	11:15	94		0.033	0.160		5.28	2.1
Base	4/29/2021	21-A19744	10:10	81		<0.005	0.113		2.16	2.0
Base	5/13/2021	21-A22400	11:10	53		0.009	0.093		1.21	2.0
Base	5/26/2021	21-A25186	11:30	78		<0.005	0.142		0.50	1.9
Base	6/21/2021	21-A29797	10:15	56		0.006	0.121		<0.05	2.1
Base	7/30/2021	21-A38356	11:20	53		0.009	0.140		<0.05	1.5
Minor Event	8/9/2021	21-A39674	12:20	58		0.008	0.176		<0.05	1.7
Minor Event	8/27/2021	21-A43175	11:25	139		0.044	0.257		0.12	2.1
Minor Event	8/30/2021	21-A43301	11:10	53		0.006	0.172		<0.05	1.8
Minor Event	9/9/2021	21-A45105	11:45	108		0.005	0.181		<0.05	2.1
Minor Event	9/27/2021	21-A49280	11:30	66		<0.005	0.120		0.14	2.2
Minor Event	10/15/2021	21-A52504	10:45	81		0.008	0.158		0.40	1.7
Minor Event	10/15/2021	21-A52505	10:50	88		0.007	0.166		0.37	1.6
Minor Event	10/18/2021	21-A52915	11:55	72		0.028	0.142		0.64	1.7
Minor Event	10/21/2021	21-A53703	13:50	93		0.033	0.167		0.70	1.9
Minor Event	10/23/2021	21-A54416	12:45	64		0.031*	0.147		0.84	1.6
Minor Event	10/29/2021	21-A55726	11:10	72		0.052	0.167		1.41	1.6
Base	11/29/2021	21-A62945	11:00	23		0.045	0.104		2.20	1.4

* = Holding Time Exceeded

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

_ = The reporting limit (RL) was elevated due to instrument performance at the lower limit of quantitation (LLOQ)