

FIELD DATA - Measurements taken on site, 2023

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
Base	1/23/2023		11:55				>100	
Snowmelt	4/12/2023		10:30				5	
Snowmelt	4/14/2023		11:20				8	
Snowmelt	4/17/2023		10:50				9	
Rainevent	4/19/2023		10:55				13	
Rainevent	4/21/2023		11:00				10	
Rainevent	4/24/2023		10:15				19	
Rainevent	5/1/2023		11:35				20	
Rainevent	5/16/2023		13:00				16	
Rainevent	5/19/2023		10:20				22	
Base	5/30/2023		11:05				21	
Base	6/23/2023		11:00				15	
Base	7/28/2023		10:55				16	
Base	8/25/2023		11:15				22	
Rainevent	10/13/2023		11:10				14	
Rainevent	10/16/2023		10:45				21	
Duplicate	10/16/2023		10:50				21	
Base	11/13/2023		12:15				42	
Base	12/7/2023		11:20				59	

CHEMICAL DATA - Analytes tested for in a lab, 2023 - MVTL, New Ulm

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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
Base	1/23/2023	23-A1985	11:55	19		0.093	0.155		0.92	1.76
Snowmelt	4/12/2023	12274001	10:30	228		0.255	0.500		1.62	1.22
Snowmelt	4/14/2023	12582001	11:20	118		0.312	0.482		1.89	1.19
Snowmelt	4/17/2023	12692001	10:50	56		0.280	0.406		1.94	1.19
Rainevent	4/19/2023	12971001	10:55	50		0.240	0.350		1.63	1.22
Rainevent	4/21/2023	13289002	11:00	42		0.207	0.320		2.15	1.59
Rainevent	4/24/2023	13407003	10:15	30		0.230	0.290		2.75	1.38
Rainevent	5/1/2023	14038001	11:35	38		0.155	0.242		2.12	1.13
Rainevent	5/16/2023	15729001	13:00	50		0.079	0.133		4.41	1.03
Rainevent	5/19/2023	16154001	10:20	50		0.045	0.127		2.72	1.21
Base	5/30/2023	16871001	11:05	70		0.040	0.109		1.25	1.33
Base	6/23/2023	19179001	11:00	55		0.027	0.153		1.06	0.934
Base	7/28/2023	22260001	10:55	54		0.006	0.134		<0.05	1.18
Base	8/25/2023	25890001	11:15	46		0.037	0.150		<0.05	1.11
Rainevent	10/13/2023	31131001	11:10	46		0.026	0.122		0.11	0.930
Rainevent	10/16/2023	31224001	10:45	51		0.024	0.117		0.24	1.15
Duplicate	10/16/2023	31224006	10:50	54		0.024	0.126		0.26	1.11
Base	11/13/2023	33761001	12:15	13		0.010	0.048		0.24	0.900
Base	12/7/2023	36151001	11:20	12		<0.005	0.048		0.43	0.919

* = Holding Time Exceeded

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

_@ Reporting limit elevated due to sample matrix