

FIELD DATA - Measurements taken on site, 2022

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 - Base	1/13/2022		11:35					
Winter - Base	2/28/2022		11:25				50	
Snowmelt	3/24/2022		11:00				12	
Snowmelt	3/28/2022		10:50					
Storm Event	4/7/2022		13:50				7	
Storm Event	4/11/2022		10:40				14	
Storm Event	4/14/2022		12:05				3	
Storm Event	4/18/2022		12:30				17	
Base	4/28/2022		12:10				19	
Storm Event	5/2/2022		11:30				19	
Storm Event	5/5/2022		10:55				19	
Storm Event	5/12/2022		10:35				2	
Storm Event	5/13/2022		13:45				4	
Storm Event	5/15/2022		12:15				8	
Storm Event	5/16/2022		10:30				9	
Storm Event	5/19/2022		11:15				22	
Base	6/14/2022		11:15				35	
Base	7/15/2022		13:35				12	
Base	8/4/2022		10:45				17	
Base	9/8/2022		12:05				17	
Base	10/13/2022		9:50				20	
Base	11/14/2022		12:40				51	
Winter - Base	12/28/2022		11:05					

CHEMICAL DATA - Analytes tested for in a lab, 2022 - MVTL, New Ulm

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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 - Base	1/13/2022	22-A1498	11:35	14		0.061	0.095		2.36	1.1
Winter - Base	2/28/2022	22-A8569	11:25	12		0.101	0.129		1.39	1.5
Snowmelt	3/24/2022	22-A12648	11:00	95		0.280@	0.493		3.11	2.2
Snowmelt	3/28/2022	22-A13082	10:50	83		0.131	0.315^		2.22	2.1
Storm Event	4/7/2022	22-A15268	13:50	132		0.185	0.459		6.84	2.1
Storm Event	4/11/2022	22-A15419	10:40	24		0.103	0.311		4.03	1.8
Storm Event	4/14/2022	22-A16293	12:05	307		0.149	0.520^		4.38	3.5
Storm Event	4/18/2022	22-A16554	12:30	60		0.077	0.225		2.76	1.9
Base	4/28/2022	22-A19273	12:10	51		0.006	0.162		1.07	2.3
Storm Event	5/2/2022	22-A19705	11:30	65		0.013	0.139		1.99	1.9
Storm Event	5/5/2022	22-A20842	10:55	64		0.018	0.126		3.82	1.9
Storm Event	5/12/2022	22-A22920	10:35	1030		0.121	0.860^		3.75	8.0
Storm Event	5/13/2022	22-A23204	13:45	280		0.163*	0.490@		4.82	2.8
Storm Event	5/15/2022	22-A23549	12:15	96		0.151	0.306		5.28	2.2
Storm Event	5/16/2022	22-A23610	10:30	70		0.145	0.271		5.06	1.8
Storm Event	5/19/2022	22-A24860	11:15	29		0.094	0.185		3.94	3
Base	6/14/2022	22-A29684	11:15	48		0.124	0.182		1.68	1.3
Base	7/15/2022	22-A36192	13:35	101		0.118	0.280		1.38	1.9
Base	8/4/2022	22-A40471	10:45	66		0.030	0.227		<0.05	1.7
Base	9/8/2022	22-A46989	12:05	64		0.020	0.199		<0.05	1.4
Base	10/13/2022	22-A52439	9:50	35		<0.005	0.107		0.15	2.2
Base	11/14/2022	22-A56219	12:40	11		0.029	0.074		0.6	1.1
Winter - Base	12/28/2022	22-A59845	11:05	5		0.048	0.111		0.69	1.3

* = Holding Time Exceeded

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

_@ Reporting limit elevated due to sample matrix