

## FIELD DATA - Measurements taken on site, 2020

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	1/29/2020		10:00				ICE	
Snowmelt	3/15/2020		12:00				8	
Baseflow	3/24/2020		9:20				28	
Baseflow	5/12/2020		9:55				25	
Storm Event	5/18/2020		9:45				16	
Storm Event	5/20/2020		11:15				21	
Storm Event	5/29/2020		10:50				15	
Baseflow	6/17/2020		11:35				11	
Storm Event	6/25/2020		10:45				11	
Storm Event	6/30/2020		16:25				8	
Storm Event	7/2/2020		12:00				8	
Baseflow	7/13/2020		14:35				12	
Storm Event	7/27/2020		9:40				10	
Storm Event	7/30/2020		9:35				11	
Baseflow	8/21/2020		10:55				17	
Baseflow	9/18/2020		11:50				16	
Baseflow	10/22/2020		13:40				45	
Baseflow	11/6/2020		10:40				42	

AIS - no probes in use here

**CHEMICAL DATA - Analytes tested for in a lab, 2020 - 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
Winter - Base	1/29/2020	20-A4423	10:00	11		0.061	0.084		2.46	1.5
Snowmelt	3/15/2020	20-A11952	12:00	120		0.186	0.339		4.04	2.5
Baseflow	3/24/2020	20-A13151	9:20	51		0.104	0.202		3.18	1.6
Baseflow	5/12/2020	20-A20744	9:55	53		<0.02'	0.122		2.06	1.3
Storm Event	5/18/2020	20-A21850	9:45	73		0.011	0.117		2.82	2.2
Storm Event	5/20/2020	20-A22417	11:15	67		0.005	0.105		3.35	2.1
Storm Event	5/29/2020	20-A24040	10:50	93		0.007	0.153		2.57	1.7
Baseflow	6/17/2020	20-A27779	11:35	110		0.014	0.160		2.08	2.0
Storm Event	6/25/2020	20-A29258	10:45	124		0.013	0.186		3.36	2.2
Storm Event	6/30/2020	20-A30593	16:25	153		0.145	0.307		5.25	2.1
Storm Event	7/2/2020	20-A30584	12:00	179		0.072	0.280		3.68	2.6
Baseflow	7/13/2020	20-A32751	14:35	88		<0.005	0.179		1.70	1.9
Storm Event	7/27/2020	20-A35267	9:40	127		0.047	0.273		1.23	2.3
Storm Event	7/30/2020	20-A36296	9:35	93		0.023	0.214		0.89	2.0
Baseflow	8/21/2020	20-A40646	10:55	61		0.033	0.208		<0.05	2.2
Baseflow	9/18/2020	20-A46203	11:50	46		0.033	0.162		0.21	2.4
Baseflow	10/22/2020	20-A52707	13:40	14		0.013	0.095		0.41	1.5
Baseflow	11/6/2020	20-A54985	10:40	14		0.006	0.068		0.82	0.9
Baseflow	11/6/2020	20-A54988	10:45	14		0.007	0.070		0.83	1.2

\* = 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)