

**FIELD DATA - Measurements taken on site, 2015**

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
Ice Covered	1/30/2015		12:50	-0.1		7.78	>100	1092
Ice Covered	2/10/2015		10:50	0		9.4	>100	1155
Ice Covered	3/6/2015		11:30	0.3	11.62	7.98	>100	1204
Snowmelt	3/19/2015		9:05	3.3	12.75	8.33	34	877
Baseflow	4/8/2015		13:10	6.9	13.11		54	777
Baseflow	5/4/2015		11:25	18.6	10.21	8.47	21	888
Baseflow	5/12/2015		13:15	13.6	11.86	8.7	20	870
Storm Event	5/15/2015		10:25	14	8.78	8.42	17	987
Storm Event	5/18/2015		9:10	15	8.57	8.35	8	929
Storm Event	5/20/2015		11:15				8	
Storm Event	5/28/2015		9:30					
Storm Event	6/5/2015		10:30	18.8	7.98	8.49	19	961
Storm Event	6/10/2015		9:00	22.4	7.2	8.28	19	982
Storm Event	6/22/2015		9:00	24	7.17	8.33	21	942
Storm Event	6/24/2015		14:20	23	7.41	8.28	13	885
Storm Event	6/27/2015		13:05	24.5	7.96	8.47	13	957
Storm Event	6/29/2015		10:10	24.7	7.69	8.46	17	960
Storm Event	7/8/2015		9:35	22.7	7.94	8.39	14	930
Storm Event	7/9/2015		12:55	23.7	8.27	8.46	13	911
Baseflow	7/23/2015		9:00	25.5	7.94	8.54	19	872
Baseflow	8/14/2015		8:30	24.7	7.13	8.47	18	852
Storm Event	8/21/2015		8:30				19	
Storm Event	8/24/2015		10:30	19.2	7.68	8.23	11	899
Storm Event	8/28/2015		10:25	20	8.05	8.31	13	900
Baseflow	9/3/2015		10:00	24.4	8.08	8.64	17	883
Baseflow	9/30/2015		9:30	16.8	8.98	8.65	22	934
Baseflow	10/16/2015		9:10	10.6	10.31	8.62	31	958
Baseflow	10/30/2015		8:55	7.4	11.39	8.46	44	984
Baseflow	11/16/2015		11:40	7.7	11.52	8.53	83	936
Storm Event	12/11/2015		11:25	2.3	12.94	8.53	>100	1079
Ice Covered	12/21/2015		11:35					

**CHEMICAL DATA - Analytes tested for in a lab, 2015 - MVTL, New Ulm**

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SAMP TYPE	DATE	LAB		TIME	TSS MG/L	TSVS MG/L	P-PO4 MG/L	TP MG/L	TURBIDITY NTU	N-	
		SAMPLE ID #								NO2+NO3 MG/L	TKN MG/L
Grab	1/30/2015	15-A3289		12:50	<2	<2	0.09	0.134	5.7	2.07	0.8
Grab	2/10/2015	15-A4157		10:50	9	6	0.067	0.115	2.3	2.00	0.5
Grab	3/6/2015	15-A7073		11:30	6	5	0.158	0.127	4.8	1.57	1
Grab	3/19/2015	15-A9278		9:05	39	10	0.055	0.139	21	0.64	1.1
Grab	4/8/2015	15-A12463		13:10	21	10	<0.02~	0.085	11	<0.05	0.9
Grab	5/4/2015	15-A16397		11:25	76	19	0.017	0.097	41	<0.05	1.5
Grab	5/12/2015	15-A17897		13:15	67	19	0.006	0.161	31	0.15	1.7
Grab	5/15/2015	15-A18918		10:25	149	23	0.038	0.259	77	3.89	1.8
Grab	5/18/2015	15-A19095		9:10	262	34	0.067	0.353	150	3.60	1.8
Grab	5/20/2015	15-A19790		11:15	200	36	0.104	0.343	140	5.64	2.2
Grab	5/28/2015	15-A20998		9:30	107	19	0.051	0.231	56	3.97	1.6
Duplicate	5/28/2015	15-A20999		9:35	106	18	0.076	0.219	57	4.00	1.6
Grab	6/5/2015	15-A22584		10:30	101	17	0.061	0.200	46	4.70	1.8
Grab	6/10/2015	15-A23519		9:00	95	17	0.061	0.195	47	4.06	1.3
Grab	6/22/2015	15-A25542		9:00	86	16	0.052	0.190	45	2.23	1.2
Grab	6/24/2015	15-A26522		14:20	129	22	0.073	0.247	69	5.60	1.8
Grab	6/27/2015	15-A26958		13:05	125	22	0.069*	0.239	65*	4.57	1.6
Grab	6/29/2015	15-A26962		10:10	97	19	0.042	0.214	49	3.47	1.7
Grab	7/8/2015	15-A28836		9:35	113	22	0.077	0.234	68	1.44	1.8
Grab	7/9/2015	15-A29241		12:55	105	24	0.081	0.233	65	1.82	1.9
Grab	7/23/2015	15-A31977		9:00	74	20	0.008	0.193	43	0.37	1.9
Grab	8/14/2015	15-A35843		8:30	83	17	0.045	0.217	50	0.26	1.6
Grab	8/21/2015	15-A37139		8:30	112	18	0.125	0.328	66	0.79	1.5
Grab	8/24/2015	15-A37361		10:30	158	23	0.152	0.321	94	1.96	1.8
Duplicate	8/24/2015	15-A37364		10:35	149	22	0.131	0.312	89	1.96	1.6
Grab	8/28/2015	15-A38553		10:25	122	24	0.096	0.271	76	1.22	1.5
Grab	9/3/2015	15-A39530		10:00	75	22	0.049	0.228	49	0.39	1.9
Grab	9/30/2015	15-A44622		9:30	48	16	0.024	0.193	38	0.19	1.6
Grab	10/16/2015	15-A47725		9:10	24	7	0.037	0.151	25	0.06	1.6
Grab	10/30/2015	15-A50535		8:55	22	11	0.068	0.155	15	0.53	1.1
Grab	11/16/2015	15-A53074		11:40	12	5	0.054	0.114	7.4	0.62	0.5
Duplicate	11/16/2015	15-A53077		11:45	12	5	0.044*	0.115	6.4	0.60	0.9
Grab	12/11/2015	15-A56680		11:25	12	3	0.087	0.127	8	2.99	1.3
Grab	12/21/2015	15-A57752		11:35	7	4	0.065	0.112	5.7	3.50	1.3

\* = Holding Time Exceeded

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