

CHEMICAL DATA - Analytes tested for in a lab, 2009 - MVTL, New Ulm

MMCC1 - Middle Minnesota Watershed - Crow Creek at Noble Ave. -

STORET CODE - S005-628

FLOW TYPE	SAMP TYPE	DATE	TIME	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI /100mL	TURBIDITY NTU	Ammonia Mg/L
Base Flow	Grab	4/9/2009	7:45	09-A12881	2*	2*	0.7	12.8	0.105	0.097		5	<0.16
Base Flow	Grab	4/21/2009	7:50	09-A15276	<2	<2	1.3	12.8	0.023	0.018	37.4*	3	<0.16
Base Flow	Grab	4/29/2009	9:30	09-A17042							90.6		
Base Flow	Grab	5/1/2009	10:05	09-A17727	3*	3*	1.3	12.5	0.025	0.025	36.4	3*	<0.16
Base Flow	Grab	5/12/2009	9:50	09-A19645	<2	<2	2.4	13.3	0.019	0.023	155.3	1.5	<0.16
Base Flow	Grab	5/26/2009	8:10	09-A22097							290.9*		
Base Flow	Grab	6/2/2009	8:25	09-A23462	4	<2	2.1	6.72	0.046*	0.058	410.6*	2.1	<0.16
Storm Flow	Grab	6/8/2009	8:25	09-A24380	111	16	1.9	12.4	0.139	0.242^	> 2419.6*	63	<0.16
Storm Flow	Grab	6/11/2009	9:05	09-A25413	7	<2	2.5	15.8	0.092	0.065		6.4	<0.16
Base Flow	Grab	6/19/2009	7:45	09-A26927	9	<2	2.6	13.4	0.097	0.077	285.1*	3.3	<0.16
Base Flow	Grab	6/26/2009	8:15	09-A28219	6	2	1.3	11.0	0.126	0.102		4.1	<0.16
Base Flow	Grab	7/10/2009	8:15	09-A30653	7	6	1.0	3.51	0.170	0.152	770.1*	4.6	<0.16
Base Flow	Grab	7/21/2009	8:05	09-A32493	8	7	2.0	1.7	0.134	0.162	613.1*	7.9	<0.16
Base Flow	Grab	8/8/2009	9:15	09-A36171	10	5	1.0	0.64		0.268^			<0.16
Base Flow	Grab	8/21/2009	8:10	09-A39349	9	3	0.7	0.84	0.384^	0.360^	980.4*	9.5	<0.16
Base Flow	Grab	9/3/2009	8:10	09-A41333	9	4	0.7	0.25	0.143	0.144	1413.6*	8.8	<0.16
Base Flow	Grab	9/24/2009	8:20	09-A44696	<2	<2	0.6	<0.2	0.139	0.188	547.5	7.2	<0.16
Storm Flow	Grab	10/2/2009	8:05	09-A46095	22	3	0.3	0.81		0.191			<0.16
Storm Flow	Grab	10/3/2009	10:05	09-A46180	5	<2	0.3	1.10		0.244^			<0.16
Storm Flow	Grab	10/8/2009	9:35	09-A47262	4	<2	0.7	8.6	0.150	0.178		4.9	<0.16
Storm Flow	Grab	10/13/2009	8:25	09-A47999	6	3	1.3	10.5	0.097	0.113		4.1	<0.16

\* = Holding Time Exceeded

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

**CHEMICAL DATA - Analytes tested for in a lab, 2009 - MVTL, New Ulm**

**MMWC - Middle Minnesota Watershed - Wabasha Creek at Co. Hwy 11 in MN River Valley -**

**STORET CODE - S005-627**

FLOW TYPE	SAMP TYPE	DATE	TIME	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI /100mL	TURBIDITY NTU	Ammonia Mg/L
Base Flow	Grab	4/9/2009	8:30	09-A12882	10*	8*	1.1	2.70	0.214	0.262^		32	<0.16
Base Flow	Grab	4/21/2009	8:30	09-A15277	3	3	1.0	7.47	0.022	0.038	290.9*	5	<0.16
Base Flow	Grab	4/29/2009	10:10	09-A17043							517.2		
Base Flow	Grab	5/1/2009	11:00	09-A17728	13*	8*	2.5	7.26	0.143	0.266^	218.7	6*	<0.16
Base Flow	Grab	5/12/2009	10:40	09-A19646	5	<2	2.4	9.41	0.020	0.043	148.3	2.8	<0.16
Base Flow	Grab	5/26/2009	9:30	09-A22098							2419.6*		
Base Flow	Grab	6/2/2009	10:00	09-A23463	3	2	0.9	1.25	0.173^	0.182	770.1	1.8	<0.16
Storm Flow	Grab	6/8/2009	9:15	09-A24381	12	6	0.7	1.52	0.204^	0.227^	> 2419.6*	7.7	<0.16
Storm Flow	Grab	6/11/2009	9:50	09-A25414	14	2	2.2	15.5	0.162	0.143		6.1	<0.16
Base Flow	Grab	6/19/2009	8:20	09-A26928	11	5	2.4	9.25	0.357^	0.439^	1732.9	5.1	<0.16
Base Flow	Grab	6/26/2009	9:00	09-A28220	5	<2	1.2	5.07	0.200^	0.210^		3	<0.16
Base Flow	Grab	7/10/2009	9:10	09-A30654	3	<2	0.6	0.60	0.232^	0.220^	285.1*	2	<0.16
Base Flow	Grab	7/21/2009	8:55	09-A32494	<2	<2	1.0	<0.2	0.162	0.166	344.8*	3.3	<0.16
Base Flow	Grab	8/8/2009	8:45	09-A36170	4	2	0.4	<0.2		0.169			<0.16
Base Flow	Grab	8/21/2009	8:50	09-A39350	6	3	0.6	<0.2	0.234^	0.241^	1413.6	3.6	<0.16
Base Flow	Grab	9/3/2009	9:05	09-A41334	6	2	0.7	<0.2	0.119	0.117	524.7*	4.2	<0.16
Base Flow	Grab	9/24/2009	9:10	09-A44697	<2	<2	<0.2	<0.2	0.102	0.136	517.2	9.1	<0.16
Storm Flow	Grab	10/2/2009	8:45	09-A46096	5	<2	<0.2	0.31		0.247^			<0.16
Storm Flow	Grab	10/3/2009	10:40	09-A46181	6	4	0.7	2.51		0.427^			<0.16
Storm Flow	Grab	10/8/2009	10:15	09-A47263	12	4	1.4	8.3	0.507^	0.662^		14	<0.16
Storm Flow	Grab	10/13/2009	8:55	09-A48000	3	<2	1.9	10.4	0.123	0.145		1.8	<0.16

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**CHEMICAL DATA - Analytes tested for in a lab, 2009 - MVTL, New Ulm**

**MMNE - Middle Minnesota Watershed - North Eden Creek at Co. Hwy 10 in MN River Valley -**

**STORET CODE - S005-626**

FLOW TYPE	SAMP TYPE	DATE	TIME	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI /100mL	TURBIDITY NTU	Ammonia Mg/L
Base Flow	Grab	4/9/2009	8:50	09-A12883	<2*	<2*	1.3	9.16	0.087	0.081		7	<0.16
Base Flow	Grab	4/21/2009	9:00	09-A15278	<2	<2	1	6.24	0.015	0.016	14.8*	5	<0.16
Base Flow	Grab	4/29/2009	10:00	09-A17044							6.3		
Base Flow	Grab	5/1/2009	11:25	09-A17729	5*	2*	1.5	6.39	0.015	0.022	4.1	3^	<0.16
Base Flow	Grab	5/12/2009	11:10	09-A19647	5	2	2.6	12.2	0.011	0.017	44.3	2.5	<0.16
Base Flow	Grab	5/26/2009	9:50	09-A22099							122.3		
Base Flow	Grab	6/2/2009	10:30	09-A23464	4	2	1.2	2.84	0.063	0.054	81.6	1.4	<0.16
Storm Flow	Grab	6/8/2009	9:45	09-A24382	24	5	1.3	5.25	0.086	0.096	2419.6	24	<0.16
Storm Flow	Grab	6/11/2009	10:20	09-A25415	8	<2	2.2	16.2	0.088	0.068		2.6	<0.16
Base Flow	Grab	6/19/2009	8:55	09-A26929	5	3	2.1	12.1	0.096	0.073	410.6	1.5	<0.16
Base Flow	Grab	6/26/2009	9:30	09-A28221	4	<2	1.2	6.94	0.106	0.082		2.6	<0.16
Base Flow	Grab	7/10/2009	9:35	09-A30655	3	2	0.7	0.61	0.092	0.065	165.8*	1.2	<0.16
Base Flow	Grab	7/21/2009	9:25	09-A32496	<2	<2	0.6	0.26	0.050	0.034	151.5*	1.6	<0.16
Base Flow	Grab	8/8/2009	8:25	09-A36169	<2	<2	0.3	0.29		0.039			<0.16
Base Flow	Grab	8/21/2009	9:15	09-A39351	4	<2	<0.2	0.25	0.070	0.039	517.2	1.3	<0.16
Base Flow	Grab	9/3/2009	9:35	09-A41335	<2	<2	0.4	0.22	0.066	0.031	2419.6	1.0	<0.16
Base Flow	Grab	9/24/2009	9:35	09-A44698	12	<2	<0.2	<0.2	0.025	0.038	222.4	1.3	<0.16
Storm Flow	Grab	10/2/2009	9:05	09-A46097	<2	<2	<0.2	<0.2		0.072			<0.16
Storm Flow	Grab	10/3/2009	11:00	09-A46182	<2	<2	0.3	<0.2		0.082			<0.16
Storm Flow	Grab	10/8/2009	10:40	09-A47264	2	<2	1.1	16.4	0.242^	0.290^		3.5	<0.16
Storm Flow	Grab	10/13/2009	9:25	09-A48001	<2	<2	1.3	14.6	0.082	0.096		1	<0.16

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CHEMICAL DATA - Analytes tested for in a lab, 2009 - MVTL, New Ulm

MMSC - Middle Minnesota Watershed - Spring Creek @ Co. Hwy 10 in MN River Valley

STORET CODE - S005-625

FLOW TYPE	SAMP TYPE	DATE	TIME	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI /100mL	TURBIDITY NTU	Ammonia Mg/L
Base Flow	Grab	4/9/2009	9:30	09-A12884	<2*	<2*	1.3	6.89	0.046*	0.054		7	<0.16
Base Flow	Grab	4/21/2009	9:30	09-A15279	2	2	1.3	4.45	0.019	0.018	7.5*	9	<0.16
Base Flow	Grab	4/29/2009	11:30	09-A17045							4.1		
Base Flow	Grab	5/1/2009	11:50	09-A17730	6	<2	1.5	5.03	0.012	0.025	4.1	2^	<0.16
Base Flow	Grab	5/12/2009	11:45	09-A19648	<2	<2	2.9	9.53	0.019	0.022	73.8	3.8	<0.16
Base Flow	Grab	5/27/2009	14:00	09-A22492							90.6		
Base Flow	Grab	6/2/2009	11:00	09-A23465	4	3	0.9	2.06	0.068	0.059	81.3	1	<0.16
Storm Flow	Grab	6/8/2009	10:05	09-A24383	39	11	1.2	3.95	0.125	0.150	> 2419.6	29	<0.16
Storm Flow	Grab	6/11/2009	10:50	09-A25416	27	5	1.6	14.7	0.108	0.096		12	<0.16
Base Flow	Grab	6/19/2009	9:25	09-A26930	9	<2	1.8	7.78	0.085	0.074	613.1	5.6	<0.16
Base Flow	Grab	6/26/2009	10:00	09-A28222	4	<2	1.0	5.38	0.096	0.070		2.4	<0.16
Base Flow	Grab	7/10/2009	10:00	09-A30656	<2	<2	0.7	1.49	0.072	0.044	146.7*	0.9	<0.16
Base Flow	Grab	7/21/2009	9:45	09-A32497	<2	<2	0.7	1.53	0.040	0.024	191.8*	2.1	<0.16
Base Flow	Grab	8/8/2009	8:05	09-A36168	<2	<2	0.4	0.99		0.031			<0.16
Base Flow	Grab	8/21/2009	9:40	09-A39352	<2	<2	0.6	2.49	0.056	0.028	1789	0.9	<0.16
Base Flow	Grab	9/3/2009	10:00	09-A41336	<2	<2	0.4	1.03	0.048	0.024	210.5	0.7	<0.16
Base Flow	Grab	9/24/2009	10:00	09-A44699	<2	<2	<0.2	1.03	0.015	0.028	307.6	1.2	<0.16
Storm Flow	Grab	10/2/2009	9:30	09-A46098	37	7	1.6	9.66		0.374^			<0.16
Storm Flow	Grab	10/3/2009	11:25	09-A46183	6	4	1.4	8.03		0.184			<0.16
Storm Flow	Grab	10/8/2009	11:05	09-A47279	16	3	1.4	12.0	0.152	0.198		22	<0.16
Storm Flow	Grab	10/13/2009	9:45	09-A48002	6	3	0.7	12.3	0.090	0.106		3.2	<0.16

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**CHEMICAL DATA - Analytes tested for in a lab, 2009 - MVT, New Ulm**

**County Ditch 13 - Middle Minnesota Watershed - @ Co Hwy 10 -**

**STORET CODE - S005-623**

FLOW TYPE	SAMP TYPE	DATE	TIME	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI /100mL	TURBIDITY NTU	Ammonia Mg/L
Base Flow	Grab	4/21/2009	10:00	09-A15280	< 2	< 2	1.1	5.94	0.026	0.039	613.1*	6	<0.16
Base Flow	Grab	4/29/2009	11:50	09-A17046							1119.9		
Base Flow	Grab	5/1/2009	12:15	09-A17731	4	<2	1.3	6.61	0.023	0.037	98.8	5^	<0.16
Base Flow	Grab	5/12/2009	12:05	09-A19649	2	<2	2.3	8.48	0.026	0.041	261.3	1.2	<0.16
Base Flow	Grab	5/27/2009	14:30	09-A22494							387.3		
Base Flow	Grab	6/2/2009	11:25	09-A23466	4	3	1.8	3.53	0.131^	0.141	235.9	1.2	<0.16
Storm Flow	Grab	6/8/2009	10:35	09-A24384	30	6	0.7	11.1	0.148	0.141	1046.2	15	<0.16
Storm Flow	Grab	6/11/2009	11:15	09-A25417	4	2	1.5	12.6	0.076	0.055		2	<0.16
Base Flow	Grab	6/19/2009	9:50	09-A26931	<2	<2	2.1	7.18	0.099	0.083	> 2419.6	1.2	<0.16
Base Flow	Grab	6/26/2009	10:25	09-A28223	4	<2	1.6	5.00	0.249^	0.234^		2.2	<0.16
Base Flow	Grab	7/10/2009	10:30	09-A30657	<2	<2	1.3	2.79	0.351^	0.334^	980.4*	2.1	<0.16
Base Flow	Grab	7/21/2009	10:10	09-A32498	3	2	1.2	2.00	0.374^	0.335^	1413.6*	3.8	<0.16
Base Flow	Grab	8/8/2009	7:45	09-A36167	7	<2	1.5	0.73		0.743^			<0.16
Base Flow	Grab	8/21/2009	10:00	09-A39353	4	3	0.9	0.51	0.805^	0.829^	387.3	2.7	<0.16
Base Flow	Grab	9/3/2009	10:20	09-A41337	2	2	1.0	0.58	0.853^	0.790^	104.6	3	<0.16
Zero Flow		9/24/2009											
Storm Flow	Grab	10/2/2009	9:45	09-A46099	27	11	3.0	12.9		0.720^			0.29
Storm Flow	Grab	10/3/2009	11:40	09-A46184	12	5	1.7	10.5		0.297^			<0.16
Storm Flow	Grab	10/8/2009	11:25	09-A47280	10	3	1.6	12.6	0.179	0.227^		31	<0.16
Storm Flow	Grab	10/13/2009	10:05	09-A48003	5	2	1.1	16.0	0.136	0.146		2.2	<0.16

\* = Holding Time Exceeded

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

**CHEMICAL DATA - Analytes tested for in a lab, 2009 - MVTL, New Ulm**

**County Ditch 10 - Middle Minnesota Watershed - @ Co. Hwy 29 -**

**STORET CODE - S005-624**

FLOW TYPE	SAMP TYPE	DATE	TIME	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	E.COLI /100mL	TURBIDITY NTU	Ammonia Mg/L
Base Flow	Grab	4/9/2009	10:00	09-A12885	<2*	<2*	1.3	11.3	0.110*	0.112		3	<0.16
Base Flow	Grab	4/21/2009	10:20	09-A15281	<2	<2	1	11.8	0.045	0.054	14.8	8	<0.16
Base Flow	Grab	4/29/2009	12:10	09-A17047							66.3		
Base Flow	Grab	5/1/2009	12:35	09-A17732	7	3	1	11.9	0.033	0.049	143.9	2^	<0.16
Base Flow	Grab	5/12/2009	12:25	09-A19650	3	3	3.2	13.4	0.038	0.056	166.4	2.2	<0.16
Base Flow	Grab	5/27/2009	14:45	09-A22495							547.5		
Base Flow	Grab	6/2/2009	11:45	09-A23467	4	3	1.5	11.9	0.129^	0.134	124.6	2	<0.16
Storm Flow	Grab	6/8/2009	11:00	09-A24385	12	3	1.4	13.7	0.175	0.176	488.4	8.3	<0.16
Storm Flow	Grab	6/11/2009	11:35	09-A25418	9	2	1.5	16.6	0.118	0.094		2.8	<0.16
Base Flow	Grab	6/19/2009	10:10	09-A26932	2	<2	1.6	14.7	0.139^	0.118	290.9	1.7	<0.16
Base Flow	Grab	6/26/2009	10:45	09-A28224	5	<2	1.6	13.2	0.207^	0.196^		4.2	<0.16
Base Flow	Grab	7/10/2009	11:00	09-A30658	6	3	1.9	9.9	0.255^	0.230^	770.1*	4.3	<0.16
Base Flow	Grab	8/21/2009	10:20	09-A39354	3	3	1.2	3.1	0.193^	0.208^	3609	3.6	<0.16
Storm Flow	Grab	10/2/2009	10:10	09-A46100	38	7	1.9	7.7		0.681^			<0.16
Storm Flow	Grab	10/3/2009	12:05	09-A46185	8	3	1.3	11.0		0.465^			<0.16
Storm Flow	Grab	10/8/2009	11:50	09-A47281	<2	<2	1	16.1	0.170	0.209^		8.2	<0.16
Storm Flow	Grab	10/13/2009	10:30	09-A48004	4	2	1.4	17.9	0.124	0.140		2.5	<0.16

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