

CHEMICAL DATA - Analytes tested for in a lab, 2010 - MVTL, New Ulm

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

STORET CODE - S005-628

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	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
Snowmelt	Grab	3/16/2010	18:50		10-A9361	140	16	3.4	6.71	0.594^	0.904		55	
Snowmelt	Grab	3/17/2010	10:30		10-A9350	96	14	3.3	6.61	0.567^	0.894		47	0.51
Snowmelt	Grab	3/25/2010	11:50		10-A10956	26	5	2.4	10.5	0.701	0.749		21	0.37
Base Flow	Grab	4/13/2010	11:30		10-A14096	4	<2	1.1	13.8	0.008	0.024	28.1*	1.9	<0.16
Base Flow	Grab	4/19/2010	13:05		10-A15375							17.3		
Base Flow	Grab	4/27/2010	9:20		10-A17077	5	2	<0.2	13.6	<0.005	0.025	93.3*	1.0	<0.16
Base Flow	Grab	5/5/2010	9:15		10-A18853	<2	<2	0.7	13.7	<0.005	0.022	209.8*	1.4	<0.16
Base Flow	Grab	5/19/2010	9:20		10-A21901	8	<2	0.7	16.8	0.006	0.030	201.4	3.3	<0.16
Base Flow	Grab	6/2/2010	9:30		10-A24391	<2	<2	0.5	14.8	0.010	0.030	156.5*	2.0	<0.16
Storm Flow	Grab	6/11/2010	10:10		10-A26166	173	28	2.7	10.3	0.180	0.442^	>2419.6	140	<0.16
Storm Flow	Grab	6/11/2010	15:55		10-A26382	98	14	2.0	15.9	0.214*	0.356^		77*	<0.16
Storm Flow	Grab	6/14/2010	10:45		10-A26386	15	2	1.1	16.8	0.162	0.199^		11	<0.16
Storm Flow	Grab	6/18/2010	9:55		10-A27837	11	<2	2.7	17.8	0.097	0.130		7.9	<0.16
Storm Flow	Grab	6/28/2010	18:45		10-A29770	22	<2	1.4	11.8	0.195^	0.302^		37	<0.16
Storm Flow	Grab	6/29/2010	10:30		10-A29683	20	20	1.5	13.5	0.18	0.234^		21	<0.16
Base Flow	Grab	7/8/2010	8:55		10-A31709	11	<2	1.3	15.4	0.066	0.096	770.1*	5.5	<0.16
Base Flow	Grab	7/14/2010	10:35		10-A32948							866.4*		
Base Flow	Grab	7/30/2010	9:40		10-A36592	9	4	1.1	10.3	0.088	0.115	547.5	2.7	<0.16
Base Flow	Grab	8/5/2010	9:40		10-A38036	5	2	0.7	7.43	0.071	0.109	186.0*	3.3	<0.16
Base Flow	Grab	8/17/2010	9:20		10-A40207	2	<2	0.7	3.58	0.143	0.171	613.1*	4.8	<0.16
Base Flow	Grab	8/24/2010	9:30		10-A41360							2419.6*		
Base Flow	Grab	8/31/2010	11:25		10-A42640							> 2419.6*		
Base Flow	Grab	9/2/2010	11:10		10-A43299	27	8	1.0	1.11	0.139	0.196	2419.6*	36	<0.16
Base Flow	Grab	9/7/2010	12:45		10-A43678							920.8		
Storm Flow	Grab	9/16/2010	9:35		10-A45911	48	10	1.2	7.23	0.184	0.261	>2419.6*	55	<0.16
Storm Flow	Grab	9/23/2010	11:25		10-A47288	236	36	2.6	8.57	0.205^	0.464		140	<0.16
Storm Flow	Grab	9/23/2010	17:40		10-A47429	204	32	2.2	5.95	0.204^	0.465		140	<0.16
Storm Flow	Grab	9/24/2010	7:40		10-A47424	95	15	2.1	6.34	0.238^	0.442		130	<0.16

* = Holding Time Exceeded

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

CHEMICAL DATA - Analytes tested for in a lab, 2010 - 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	FLOW (ft ³ /sec)	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
Snowmelt	Grab	3/16/2010	18:20		10-A9360	126	14	2.6	5.03	0.500^	0.763		74	
Snowmelt	Grab	3/17/2010	11:10		10-A9351	73	10	2.7	4.85	0.510^	0.732		57	0.23
MN River Affect	Grab	4/13/2010	12:15		10-A14097	13	8	1.6	1.83	<0.005	0.105	1.0*	5.9	<0.16
MN River Affect	Grab	4/19/2010	13:35		10-A15376							17.3		
MN River Affect	Grab	4/27/2010	9:55		10-A17078	7	3	0.4	12.80	0.009	0.042	81.3*	2.1	<0.16
Base Flow	Grab	5/5/2010	10:00		10-A18854	6	<2	0.8	13.20	0.009	0.041	95.9*	3.8	<0.16
Base Flow	Grab	5/19/2010	10:05		10-A21902	23	3	0.8	17.40	0.073	0.141	137.6*	10	<0.16
Base Flow	Grab	6/2/2010	10:10		10-A24392	<2	<2	0.8	14.70	0.025	0.052	172.5*	5	<0.16
Storm Flow	Grab	6/11/2010	10:50		10-A26167	378	56	3.7	10.60	0.168	0.658^	>2419.6	220	<0.16
Storm Flow	Grab	6/11/2010	15:30		10-A26383	205	25	2.9	18.50	0.221*	0.490^		100*	<0.16
Storm Flow	Grab	6/14/2010	11:25		10-A26387	40	5	1.3	18.90	0.123	0.192^		23	<0.16
Storm Flow	Grab	6/18/2010	10:30		10-A27838	23	4	3.0	18.90	0.091	0.156		12	<0.16
Storm Flow	Grab	6/28/2010	18:20		10-A29769	77	15	1.8	9.83	0.217^	0.353^		48	<0.16
Storm Flow	Grab	6/29/2010	11:45		10-A29684	42	11	1.7	9.68	0.205^	0.293^		25	<0.16
Base Flow	Grab	7/8/2010	9:30		10-A31710	28	4	1.4	14.10	0.098	0.166	613.1*	11	<0.16
Base Flow	Grab	7/14/2010	10:00		10-A32947							579.4*		
Base Flow	Grab	7/30/2010	10:10		10-A36593	16	5	1.1	9.59	0.138	0.198	770.1	4.2	<0.16
Base Flow	Grab	8/5/2010	10:15		10-A38037	11	2	1.4	5.72	0.118	0.188	579.4*	5.1	<0.16
Base Flow	Grab	8/17/2010	10:05		10-A40208	5	5	1.4	5.99	0.134	0.174	275.5*	2.8	<0.16
Base Flow	Grab	8/24/2010	10:05		10-A41361							920.8*		
Base Flow	Grab	8/31/2010	10:40		10-A42641							>2419.6*		
Base Flow	Grab	9/2/2010	12:00		10-A43300	89	17	1.4	2.63	0.319	0.424^	>2419.6*	62	<0.16
Base Flow	Grab	9/7/2010	13:25		10-A43679							2419.6		
Storm Flow	Grab	9/16/2010	10:20		10-A45912	108	22	2.1	11.3	0.207^	0.388^	>2419.6*	56	<0.16
Storm Flow	Grab	9/23/2010	10:35		10-A47289	663	97	4.9	8.17	0.347^	1.10		320	<0.16
Storm Flow	Grab	9/23/2010	17:15		10-A47430	1040	117	4.8	5.24	0.259^	1.31		460	<0.16
Storm Flow	Grab	9/24/2010	8:25		10-A47425	388	52	2.8	4.53	0.296^	0.742		230	<0.16

* = Holding Time Exceeded

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

CHEMICAL DATA - Analytes tested for in a lab, 2010 - 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	FLOW (ft ³ /sec)	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
Snowmelt	Grab	3/16/2010	17:55		10-A9359	488	40	3.0	6.32	0.420^	0.808		180	
Snowmelt	Grab	3/17/2010	11:40		10-A9352	285	22	2.4	6.88	0.475^	0.824		100	<0.16
Snowmelt	Grab	3/19/2010	12:20		10-A10027	221	19	2.7	8.22	0.616^	0.801		96	<0.16
Base Flow	Grab	4/13/2010	12:45		10-A14098	17	15	1.4	15.70	0.006	0.020	5.2*	2	<0.16
Base Flow	Grab	4/19/2010	13:50		10-A15377							12.1		
Base Flow	Grab	4/27/2010	10:30		10-A17079	3	2	<0.2	17.10	<0.005	0.018	18.7*	1.3	<0.16
Base Flow	Grab	5/5/2010	10:30		10-A18855	<2	<2	0.5	17.10	<0.005	0.019	42.6*	2.1	<0.16
Base Flow	Grab	5/19/2010	10:30		10-A21903	9	<2	0.5	20.00	0.013	0.029	83.6*	3.8	<0.16
Base Flow	Grab	6/2/2010	10:40		10-A24393	<2	<2	0.7	17.10	0.020	0.041	115.3*	2.1	<0.16
Storm Flow	Grab	6/11/2010	11:10		10-A26168	10	4	1.5	13.90	0.058	0.109	1732.9	8.6	<0.16
Storm Flow	Grab	6/11/2010	15:05		10-A26384	23	<2	0.9	14.10	0.073*	0.129		12*	<0.16
Storm Flow	Grab	6/14/2010	11:55		10-A26388	19	2	<0.2	19.20	0.084	0.125		10	<0.16
Storm Flow	Grab	6/18/2010	10:50		10-A27839	11	<2	2.7	19.5^	0.061	0.096		5.1	<0.16
Storm Flow	Grab	6/28/2010	17:40		10-A29768	86	13	2.0	14.30	0.221^	0.356^		64	<0.16
Storm Flow	Grab	6/29/2010	12:15		10-A29685	54	10	1.7	15.40	0.182	0.283^		41	<0.16
Base Flow	Grab	7/8/2010	9:55		10-A31711	9	<2	1.2	16.90	0.103	0.122	>2419.6*	3.4	<0.16
Base Flow	Grab	7/14/2010	9:40		10-A32946							1986.3*		
Base Flow	Grab	7/30/2010	10:40		10-A36594	6	4	1.2	13.00	0.076	0.110	488.4	1.9	<0.16
Base Flow	Grab	8/5/2010	10:40		10-A38038	2	<2	1.0	7.99	0.026	0.058	1203.3*	1.4	<0.16
Base Flow	Grab	8/17/2010	14:55		10-A40209	<2	<2	0.5	4.43	0.074	0.108	151.5	0.8	<0.16
Base Flow	Grab	8/24/2010	10:25		10-A41362							547.5*		
Base Flow	Grab	8/31/2010	10:15		10-A42642							816.4*		
Base Flow	Grab	9/2/2010	12:30		10-A43301	8	3	0.7	0.65	0.072	0.119	980.4*	8.3	<0.16
Base Flow	Grab	9/7/2010	13:45		10-A43680							261.3		
Storm Flow	Grab	9/16/2010	10:50		10-A45913	5	3	0.5	4.46	0.061	0.087	1046.2*	3.3	<0.16
Storm Flow	Grab	9/23/2010	10:05		10-A47290	1150	137	4.6	10.5	0.185	1.15		410	<0.16
Storm Flow	Grab	9/23/2010	17:00		10-A47431	987	100	3.7	7.21	0.232^	1.02		430	<0.16
Storm Flow	Grab	9/24/2010	8:50		10-A47426	268	36	2.3	6.04	0.390^	0.689		200	<0.16

* = Holding Time Exceeded

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

CHEMICAL DATA - Analytes tested for in a lab, 2010 - 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	FLOW (ft ³ /sec)	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
Snowmelt	Grab	3/16/2010	17:30		10-A9358	371	32	3.6	6.43	0.438^	0.871		160	
Snowmelt	Grab	3/17/2010	12:00		10-A9353	377	29	3.6	6.52	0.489^	0.917		130	0.51
Snowmelt	Grab	3/19/2010	12:50		10-A10028	600	39	3.4	6.48	0.678^	1.14		200	0.23
Base Flow	Grab	4/13/2010	13:10		10-A14099	25	16	1.3	13.1	<0.005	0.027	21.6*	2.7	<0.16
Base Flow	Grab	4/19/2010	14:05		10-A15378							16.0		
Base Flow	Grab	4/27/2010	11:00		10-A17080	5	2	1.2	13.1	<0.005	0.020	24.6*	1.4	<0.16
Base Flow	Grab	5/5/2010	11:00		10-A18856	<2	<2	1.1	13.5	0.006	0.022	41.0*	2.0	<0.16
Base Flow	Grab	5/19/2010	11:00		10-A21904	18	<2	0.5	16.8	0.015	0.045	159.7*	6.8	<0.16
Base Flow	Grab	6/2/2010	11:10		10-A24394	<2	<2	0.5	11.9	0.009	0.030	201.4*	1.8	<0.16
Storm Flow	Grab	6/11/2010	11:45		10-A26169	30	6	1.7	8.14	0.047	0.114	1413.6	19	<0.16
Storm Flow	Grab	6/11/2010	14:45		10-A26385	24	<2	1.3	10.2	0.059*	0.112		15*	<0.16
Storm Flow	Grab	6/14/2010	12:30		10-A26393	51	5	0.7	15.9	0.084	0.152		19	<0.16
Storm Flow	Grab	6/18/2010	11:20		10-A27840	28	3	2.7	16.5	0.051	0.102		12	<0.16
Storm Flow	Grab	6/28/2010	17:15		10-A29767	140	18	2.0	14.4	0.204^	0.351^		73	<0.16
Storm Flow	Grab	6/29/2010	13:45		10-A29686	94	13	1.7	15.5	0.177	0.274^		37	<0.16
Base Flow	Grab	7/8/2010	10:20		10-A31712	18	<2	1.0	11.4	0.073	0.117	579.4*	8.4	<0.16
Base Flow	Grab	7/14/2010	15:35		10-A32949							410.6		
Base Flow	Grab	7/30/2010	11:00		10-A36595	8	2	1.1	8.08	0.122	0.191	648.8	3.8	<0.16
Base Flow	Grab	8/5/2010	11:00		10-A38039	3	<2	1.4	3.63	0.023	0.049	133.4*	2.3	<0.16
Base Flow	Grab	8/17/2010	15:20		10-A40210	3	<2	0.7	1.86	0.040	0.079	56.3	0.9	<0.16
Base Flow	Grab	8/24/2010	10:45		10-A41363							866.4*		
Base Flow	Grab	8/31/2010	9:55		10-A42643							1553.1*		
Base Flow	Grab	9/2/2010	12:55		10-A43302	24	6	0.8	1.92	0.100	0.140	1986.3*	21	<0.16
Base Flow	Grab	9/7/2010	14:00		10-A43681							387.3		
Storm Flow	Grab	9/16/2010	11:15		10-A45914	3	2	0.4	2.93	0.054	0.089	2419.6*	3.8	<0.16
Storm Flow	Grab	9/23/2010	9:30		10-A47291	880	113	6.0	6.65	0.230^	1.05		340	<0.16
Storm Flow	Grab	9/23/2010	16:35		10-A47432	1110	132	4.3	6.74	0.256^	1.11		400	<0.16
Storm Flow	Grab	9/24/2010	9:20		10-A47427	550	58	2.9	5.66	0.279^	0.784		250	<0.16

* = Holding Time Exceeded

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

CHEMICAL DATA - Analytes tested for in a lab, 2010 - MVTL, New Ulm

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

STORET CODE - S005-624

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	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
Snowmelt	Grab	3/16/2010	17:15		10-A9357	286	34	3.9	6.31	0.381^	0.948		110	
Snowmelt	Grab	3/17/2010	12:15		10-A9354	98	12	2.7	6.08	0.382^	0.867		48	0.65
Base Flow	Grab	4/13/2010	13:35		10-A14100	22	16	1.6	15.8	0.007	0.034	248.9*	3	<0.16
Base Flow	Grab	4/19/2010	14:20		10-A15379							290.9		
Base Flow	Grab	4/27/2010	11:20		10-A17081	<2	<2	0.9	15.0	0.006	0.027	1413.6	2.1	<0.16
Base Flow	Grab	5/5/2010	11:30		10-A18857	<2	<2	0.7	14.8	0.009	0.035	2419.6*	1.2	<0.16
Base Flow	Grab	5/19/2010	11:20		10-A21905	5	<2	1.4	18.1	0.009	0.031	648.8*	2.4	<0.16
Base Flow	Grab	6/2/2010	11:40		10-A24395	<2	<2	1.1	13.5	0.013	0.040	122.3*	2.5	<0.16
Storm Flow	Grab	6/11/2010	12:10		10-A26170	16	<2	1.7	13.6	0.054	0.113	1119.9	7.6	<0.16
Base Flow	Grab	7/8/2010	10:40		10-A31713	6	<2	1.4	14.4	0.078	0.129	410.6	2.1	<0.16
Base Flow	Grab	7/14/2010	15:50		10-A32950							344.8		
Base Flow	Grab	7/30/2010	11:20		10-A36596	6	2	1.4	5.48	0.136	0.207	387.3	2.3	<0.16
Base Flow	Grab	8/5/2010	11:15		10-A38040	2	<2	1.1	2.75	0.160	0.223	218.7*	2.1	<0.16
Base Flow	Grab	8/17/2010	15:35		10-A40211	6	2	0.7	1.23	0.228^	0.249	240	6	<0.16
Base Flow	Grab	8/24/2010	11:00		10-A41364							1046.2*		
Base Flow	Grab	8/31/2010	9:45		10-A42644							1553.1*		
Base Flow	Grab	9/2/2010	13:20		10-A43303	10	5	1.1	7.08	0.355	0.390	2419.6	9.2	<0.16
Base Flow	Grab	9/7/2010	14:15		10-A43682							148.3		
Storm Flow	Grab	9/16/2010	11:35		10-A45915	3	3	0.8	7.29	0.170	0.185	648.8*	1.5	<0.16
Storm Flow	Grab	9/23/2010	16:20		10-A47434							>2419.6*		

* = Holding Time Exceeded

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

CHEMICAL DATA - Analytes tested for in a lab, 2010 - MVTL, New Ulm

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

STORET CODE - S005-623

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	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
Snowmelt	Grab	3/16/2010	16:50		10-A9356	182	17	2.7	7.32	0.509^	0.854		57	
Snowmelt	Grab	3/17/2010	12:50		10-A9355	99	13	2.9	8.36	0.518^	0.778		41	0.23
Base Flow	Grab	4/13/2010	13:55		10-A14101	12	12	1.3	19.7	0.036	0.054	20.1*	1.1	<0.16
Base Flow	Grab	4/19/2010	14:30		10-A15380							13.4		
Base Flow	Grab	4/27/2010	11:40		10-A17082	3	2	0.9	19.3	0.037	0.058	34.5	2.3	<0.16
Base Flow	Grab	5/5/2010	11:45		10-A18864	2	<2	0.9	19.8	0.042	0.075	160.7	1.6	<0.16
Base Flow	Grab	5/19/2010	11:40		10-A21906	6	2	1.1	21.9^	0.044	0.064	79.4*	3.2	<0.16
Base Flow	Grab	6/2/2010	11:55		10-A24396	<2	<2	0.7	18.1	0.046	0.066	1732.9	1.2	<0.16
Storm Flow	Grab	6/11/2010	12:30		10-A26171	46	11	1.8	20.7^	0.110	0.202^	1299.7	18	<0.16
Base Flow	Grab	7/8/2010	10:55		10-A31714	11	<2	1.0	17.7^	0.100	0.133	461.1	4.6	<0.16
Base Flow	Grab	7/14/2010	16:00		10-A32951							218.7		
Base Flow	Grab	7/30/2010	11:35		10-A36597	7	3	1.1	12.2	0.117	0.173	435.2	4.4	<0.16
Base Flow	Grab	8/5/2010	11:35		10-A38041	2	<2	1.4	13.9	0.130	0.216	920.8*	2.4	<0.16
Base Flow	Grab	8/17/2010	15:55		10-A40212	2	<2	0.8	17.7	0.145	0.170	290.9	2.5	<0.16
Base Flow	Grab	8/24/2010	11:15		10-A41365							2419.6*		
Base Flow	Grab	8/31/2010	9:30		10-A42645							1413.1*		
Base Flow	Grab	9/2/2010	13:45		10-A43304	61	13	1.6	14	0.760	0.873^	> 2419.6	76	<0.16
Base Flow	Grab	9/7/2010	14:25		10-A43683							71.7		
Storm Flow	Grab	9/16/2010	11:55		10-A45916	15	7	2.1	19.0^	0.383^	0.551^	>2419.6*	25	<0.16
Storm Flow	Grab	9/23/2010	16:10		10-A47433							>2419.6*		
Storm Flow	Grab	9/24/2010	9:45		10-A47428							>2419.6*		

* = Holding Time Exceeded

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