

CHEMICAL DATA - Analytes tested for in a lab, 2006 - MVTL, New Ulm

PLC001 - Primary Lower Cottonwood River near New Ulm - Non-impacted stream/Western Corn Belt Plains

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	FECAL	E COLI /100ML	TURBIDITY NTU
					SAMPLE ID #							COL. /100ML		
Base Flow	Grab	1/11/2006	13:15	658.00	06-A1035	<2			12.40	0.043	0.057			8
Base Flow	Grab	2/14/2006	13:45	699.00	06-A4261	10			15.10	0.040	0.045			7
Storm Flow	Grab	3/31/2006	14:15	2905.00	06-A10147	872		4.5	12.20	0.249	0.750			210
Storm Flow	Grab	4/4/2006	14:10	5958.00	06-A10470	354		2.6	14.40	0.181	0.424			150
Storm Flow	Grab	4/10/2006	14:40	2359.00	06-A11558	157		1.9	14	0.089	0.222			80
Base Flow	Grab	4/26/2006	13:30	926.00	06-A15112	54	8.0	1.2	12.7	0.026	0.090			21
Storm Flow	Grab	5/2/2006	13:50	4984.00	06-A16193	297	27.0	2.2	17.80	0.162	0.426			90
Base Flow	Grab	5/16/2006	13:40	1413.00	06-A19166	81		1.4	14.50	0.046	0.116	150	210	22
Base Flow	Dup	5/16/2006	13:40	1413.00	06-A19165	67			14.4		0.117			
Base Flow	Grab	5/30/2006	13:45	758.00	06-A21393	43		1.5	13.40	0.010	0.071		10	17
Storm Flow	Grab	6/7/2006	14:15	1347.00	06-A22967	269	25.0	2.3	13.80	0.033	0.315			150
Storm Flow	Dup	6/7/2006	14:15	1347.00	06-A22966	259			13.80	0.045	0.302			150
Storm Flow	Grab	6/12/2006	14:15	1925.00	06-A23847	178		2.0	15.2	0.167	0.335			110
Base Flow	Grab	6/27/2006	14:00	1170.00	06-A26587	114		2.0	15.70	0.107	0.194		960	63
Base Flow	Dup	6/27/2006	14:00	1170.00	06-A26586	118			15.80		0.218			62
Base Flow	Grab	7/10/2006	14:45	351.00	06-A28700	64	14.0	2.0	9.63	0.009	0.080		<1	47
Base Flow	Dup	7/10/2006	14:45	351.00	06-A28701	68			9.67		0.075			46
Base Flow	Grab	7/27/2006	12:40	156.00	06-A32265	38		1.1	3.18	0.008	0.056		24	22
Base Flow	Dup	7/27/2006	12:40	156.00	06-A32266	40			3.19		0.055			23
Storm Flow	Grab	8/2/2006	13:45	271.00	06-A33209	223		1.9	1.22	0.038	0.200			170
Base Flow	Grab	8/29/2006	15:00	76.00	06-A37713	53	20.0	1.6	0.41	0.020	0.111		20	30
Base Flow	Dup	8/29/2006	15:00	76.00	06-A37714	52			0.42		0.102			31
Base Flow	Grab	9/12/2006	14:45	53.00	06-A39794	42		1.4	0.82	0.014	0.067		14	16
Base Flow	Dup	9/12/2006	14:45	53.00	06-A39795	37			0.83		0.068			15
Base Flow	Grab	9/26/2006	13:45	82.00	06-A42214	27	7.0	1.3	0.84	0.014	0.072		<10	14
Base Flow	Dup	9/26/2006	13:45	82.00	06-A42213	24			0.84		0.069			14
Base Flow	Grab	10/20/2006	12:15	56.00	06-A47182	10		1.6	1.34	<0.01	0.042			4
Base Flow	Grab	11/28/2006	11:15	71.00	06-A52564	6		1.2	1.38	0.015	0.038			7
Base Flow	Grab	12/19/2006	12:30	62.00	06-A55256	7		0.8	2.13	0.011	0.018			4

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PLC010 - Primary Lower Cottonwood River near Leavenworth - Non-impacted stream/Western Corn Belt Plains

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	FECAL	E.COLI /100ML	TURBIDITY NTU
					SAMPLE ID #							COL. /100ML		
Storm Flow	Grab	3/28/2006	11:30	563.58	06-A9425	101		20.6	8.62	0.099	0.216			32
Storm Flow	Grab	3/31/2006	13:00	2054.93	06-A10145	484			10.60	0.222	0.614			150
Storm Flow	Grab	4/4/2006	13:20	4116.16	06-A10468	150			12.10	0.149	0.280			80
Storm Flow	Grab	4/10/2006	13:40	1874.57	06-A11556	108			12.20	0.080	0.193			34
Base Flow	Grab	4/26/2006	12:20	630.23	06-A15110	47	7		11.10	0.030	0.087			15
Storm Flow	Grab	5/2/2006	12:45	3378.12	06-A16191	148	20		14.50	0.151	0.311			39
Base Flow	Grab	5/16/2006	12:30	1174.59	06-A19163	94			12.50	0.060	0.155	140	1500	28
Base Flow	Grab	5/30/2006	13:20	505.47	06-A21391	21			11.5	0.023	0.086		8	12
Base Flow	Grab	6/6/2006	14:10	412.25	06-A22606	44	11		11.10	0.024	0.097			24
Storm Flow	Grab	6/7/2006	13:20	1025.86	06-A22965	520			9.31	0.355	0.575			320
Base Flow	Grab	6/27/2006	12:50	819.01	06-A26584	98			13.70	0.096	0.177		680	52
Base Flow	Grab	7/10/2006	13:30	220.60	06-A28697	28	6		8.20	0.016	0.094		90	17
Base Flow	Grab	7/27/2006	11:30	80.92	06-A32263	32			3.44	0.030	0.084		80	20
Storm Flow	Grab	8/2/2006	12:30	126.14	06-A33207	44			2.07	0.032	0.160			26
Base Flow	Grab	8/29/2006	14:00	40.37	06-A37717	84	30		<0.2	0.021	0.157		96	41
Base Flow	Grab	9/12/2006	13:40	27.08	06-A39797	47			0.89	0.019	0.099		960	22
Base Flow	Grab	9/26/2006	12:45	51.90	06-A42211	32	9		0.73	0.016	0.080		66	15

CHEMICAL DATA - Analytes tested for in a lab, 2006 - MVTL, New Ulm

PLS005 - Primary Lower Sleepy Eye Creek near Cobden - Non-impacted stream/Western Corn Belt Plains

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft3/sec)	LAB	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	FECAL	E. COLI /100ML	TURB. NTU
					SAMPLE ID #							COL. /100ML		
Storm Flow	Grab	3/28/2006	13:00	291.52	06-A9426	23.0		1.6	18.90	0.235	0.275			12
Storm Flow	Grab	3/31/2006	13:35	1001.18	06-A10146	336.0			17.60	0.334	0.610			120
Storm Flow	Grab	4/4/2006	13:35	859.69	06-A10469	48.0			21.20	0.144	0.176			16
Storm Flow	Grab	4/10/2006	14:00	281.60	06-A11557	16.0			22.20	0.045	0.079			9
Base Flow	Grab	4/26/2006	12:45	138.82	06-A15111	5.0	4.00		20.80	0.007	0.025			3
Storm Flow	Grab	5/2/2006	13:10	894.07	06-A16192	35.0	4.00		23.30	0.142	0.193			12
Base Flow	Grab	5/16/2006	12:50	327.59	06-A19164	7.0			23.10	0.036	0.065	1,200	1400	8
Base Flow	Grab	5/30/2006	13:45	154.90	06-A21392	8.0			19.70	0.028	0.066		3	7
Base Flow	Grab	6/6/2006	13:15	199.90	06-A22605	42.0	10.00		20.00	0.059	0.109			19
Storm Flow	Grab	6/12/2006	13:30	615.74	06-A23846	86.0			16.50	0.219	0.334			80
Base Flow	Grab	6/27/2006	13:15	223.41	06-A26585	41.0			21.30	0.117	0.165		960	24
Base Flow	Grab	7/10/2006	13:55	64.14	06-A28698	12.0	<2		16.10	0.047	0.077		200	11
Base Flow	Grab	7/27/2006	11:50	19.61	06-A32264	39.0			3.47	0.014	0.109		80	28
Storm Flow	Grab	8/2/2006	12:50	48.56	06-A33208	79.0			0.90	0.055	0.236			43
Base Flow	Grab	8/29/2006	14:30	7.27	06-A37718	58.0	28		<0.2	0.037	0.173		73	28
Base Flow	Grab	9/12/2006	14:00	5.37	06-A39796	38.0			0.32	0.018	0.098		640	18
Base Flow	Grab	9/26/2006	13:00	10.89	06-A42212	8.0	<2		0.54	0.013	0.046		1200	7

CHEMICAL DATA - Analytes tested for in a lab, 2006 - MVTL, New Ulm

PMC020 - Primary Middle Cottonwood River near Lambertton - Non-impacted stream/Western Corn Belt Plains

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	P-PO4 MG/L	TP MG/L	FECAL	E.COLI /100ML	TURBIDITY NTU
					SAMPLE ID #							COL. /100ML		
Storm Flow	Grab	3/28/06	10:50	409.19	06-A9424	90		0.90	8.12	0.079	0.182			27
Storm Flow	Grab	3/31/06	12:30	1591.70	06-A10144	364			8.99	0.310	0.595			170
Storm Flow	Grab	4/4/06	12:40	2552.85	06-A10467	47			11.30	0.145	0.206			23
Storm Flow	Grab	4/10/06	13:00	980.92	06-A11555	81			11.60	0.073	0.159			26
Base Flow	Grab	4/26/06	11:30	385.92	06-A15109	27	6		10.30	0.017	0.057			10
Storm Flow	Grab	5/2/06	12:00	1921.15	06-A16190	68	10		13.60	0.129	0.222			23
Base Flow	Grab	5/16/06	11:40	587.78	06-A19162	50			12.40	0.040	0.115	230	160	18
Base Flow	Grab	5/30/06	12:30	297.14	06-A21390	29			10.70	0.025	0.081		4	11
Storm Flow	Grab	6/6/06	10:45	971.65	06-A22604	788	118		7.16	0.196	0.881			560
Storm Flow	Grab	6/7/06	12:40	706.93	06-A22964	166			12.60	0.203	0.337			100
Base Flow	Grab	6/27/06	12:00	244.58	06-A26583	79			13.40	0.068	0.149		<10	42
Base Flow	Grab	7/10/06	12:45	66.02	06-A28696	24	6		7.43	0.029	0.085		88	14
Base Flow	Grab	7/27/06	10:30	32.05	06-A32262	22			2.34	0.041	0.096		30	14
Storm Flow	Grab	8/2/06	11:40	55.34	06-A33206	58			0.50	0.025	0.159			38
Base Flow	Grab	8/29/06	13:00	14.08	06-A37716	42	15		<0.2	0.026	0.170		78	27
Base Flow	Grab	9/12/06	12:50	7.18	06-A39798	37			<0.2	0.019	0.117		300	22
Base Flow	Grab	9/26/06	12:00	24.54	06-A42210	22	5		0.50	0.032	0.086		200	18

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TUP - Tertiary Plum Creek near Walnut Grove - Non-impacted stream/Western Corn Belt Plains

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB		TSS MG/L	TSVS MG/L	TKN MG/L	N-NO ₂ +NO ₃ MG/L	P-PO ₄ MG/L	TP MG/L	FECAL		TURBIDITY NTU
					SAMPLE ID #								COL. /100mL	E.COLI /100mL	
Storm Flow	Grab	3/31/2006	11:50	484.72	06-A10143		516			9.50	0.303	0.681			180
Storm Flow	Grab	4/4/2006	12:10	399.55	06-A10466		120			12.80	0.133	0.254			80
Storm Flow	Grab	4/11/2006	12:30	160.74	06-A11818		105			12.70	0.116	0.187			33
Base Flow	Grab	4/25/2006	12:50	75.63	06-A14803		31	7		11.40	0.012	0.061			10
Storm Flow	Grab	5/2/2006	11:30	374.14	06-A16189		119	17		15.10	0.117	0.266			90
Base Flow	Grab	5/15/2006	12:40	112.50	06-A18946		42			12.30	0.020	0.086	110	120	16
Base Flow	Grab	5/30/2006	11:55	49.69	06-A21389		24			12.90	0.023	0.066		4	12
Storm Flow	Grab	6/6/2006	9:55	132.81	06-A22603		248	42		10.40	0.145	0.344			160
Base Flow	Grab	6/27/2006	11:30	62.51	06-A26582		72			14.00	0.050	0.134		1400	39
Base Flow	Grab	7/10/2006	12:15	16.80	06-A28695		16	<2		9.27	0.014	0.041		360	6
Base Flow	Grab	7/27/2006	10:00	6.33	06-A32261		10			3.64	0.025	0.048		160	10
Storm Flow	Grab	8/2/2006	11:00	12.42	06-A33205		27			2.49	0.075	0.133			24
Base Flow	Grab	8/29/2006	12:30	1.87	06-A37715		9	4		1.23	0.022	0.056		960	5
Base Flow	Grab	9/12/2006	12:20	1.87	06-A39799		14			1.77	0.014	0.031		1100	6
Base Flow	Grab	9/26/2006	11:30	5.75	06-A42209		7	2		1.00	0.016	0.032		110	4