

FIELD DATA - Measurements taken on site, 2007**PLC001 - Primary Lower Cottonwood River near New Ulm -****Non-impacted stream/Western Corn Belt Plains****STORET CODE - S001-918**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	TT 2
Base Flow	1/26/2007	68.00	11:00	0.2	10.72	7.99	60+	
Base Flow	2/21/2007	37.00	12:45	0.3	9.35	8.29	60+	
Snowmelt Flow	3/13/2007	1370.00	13:20	0.3	12.24	8.28	2.0	
Snowmelt Flow	3/16/2007	4918.35	13:30	1.9	12.42	8.28	5.1	
Snowmelt Flow	3/19/2007	1871.73	14:00	3.9	12.09	8.27	7.6	
Storm Flow	4/2/2007	1806.93	15:30	7.4	10.93	8.48	9.8	
Storm Flow	4/4/2007	1537.97	13:30	3.5	13.61	8.56	10.2	
Snowmelt Flow	4/17/2007	975.81	13:50	12.9	12.20	8.66	19.2	
Base Flow	4/20/2007	860.76	14:10	15.2	11.91	8.71	19.3	
Base Flow	5/4/2007	568.96	12:25	15	10.69	8.23	39.9	
Storm Flow	5/8/2007	1925.63	11:35	15.3	9.14	7.77	5.2	
Base Flow	5/30/2007	338.01	11:45	22.0	11.55		29.3	
Storm Flow	6/4/2007	682.14	13:20	20.8	11.85	7.02	13.3	
Storm Flow	6/7/2007	1018.72	14:20	22	8.22	8.35	10.3	
Storm Flow	6/13/2007	1098.36	13:50	23.2	8.17	8.46	11.4	
Storm Flow	6/18/2007	1603.11	12:40	22.8	7.74	8.41	7.5	
Base Flow	7/6/2007	169.20	12:30	26.8	10.21	8.54	31.2	
Base Flow	7/27/2007	62.42	12:45	28.5	8.37	8.46	22.5	
Base Flow	8/9/2007	61.38	12:45	27.4	9.12	8.57	32.6	
Storm Flow	8/20/2007	308.11	14:10	18.4	9.04	8.34	15.6	
Storm Flow	8/23/2007	250.89	14:00	21.4	10.08	8.67	27.1	
Base Flow	9/6/2007	58.35	14:00	28.4	8.93	8.63	29.3	
Storm Flow	10/9/2007	1619.61	13:30	15.5	8.75	8.19	7.6	
Storm Flow	10/18/2007	2048.25	13:20	13.1	9.32	8.32	8.5	
Storm Flow	10/24/2007	1581.24	12:55	10.4	11.26	8.37	13.6	
Base Flow	11/26/2007		14:30	1.9	14.55	8.48	60+	
Base Flow	12/20/2007		13:50	0.0	13.61	8.14	60+	

FIELD DATA - Measurements taken on site, 2007**PLC010 - Primary Lower Cottonwood River near Leavenworth -****Non-impacted stream/Western Corn Belt Plains****STORET CODE - S001-920**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	TT 2
Storm Flow	4/2/2007	1488.90	14:46	6.8	10.87	8.33	10.0	
Storm Flow	4/4/2007	1191.80	12:15	2.9	13.11	8.58	13.5	
Snowmelt Flow	4/17/2007	711.30	12:30	11.6	11.80	8.57	14.1	
Base Flow	5/4/2007	333.00	11:15	14.7	9.73	8.18	41.4	
Storm Flow	5/8/2007	1598.80	10:35	15.0	9.11	7.33	8.4	
Base Flow	5/30/2007	211.00	10:50	20.6	10.94		30.3	
Storm Flow	6/4/2007	491.90	12:20	18.5	10.21	6.99	15.9	
Storm Flow	6/7/2007	606.90	13:20	20.6	7.94	8.31	12.1	
Storm Flow	6/18/2007	610.40	11:35	23.1	7.71	8.42	12.6	
Base Flow	7/6/2007	71.90	11:25	24.9	8.90	8.24	25.2	
Base Flow	7/27/2007	28.90	11:40	26.8	12.74	8.78	14.2	
Base Flow	8/9/2007	29.70	11:45	25.1	14.96	8.87	16.9	
Storm Flow	8/20/2007	89.50	13:00	18.2	9.25	8.31	40.2	
Storm Flow	8/23/2007	103.30	13:20	20.9	9.81	8.48	42.3	
Base Flow	9/6/2007	40.50	13:10	26.8	14.08	8.67	24.8	

FIELD DATA - Measurements taken on site, 2007**PLS005 - Primary Lower Sleepy Eye Creek near Cobden -****Non-impacted stream/Western Corn Belt Plains****STORET CODE - S001-919**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	TT 2
Storm Flow	4/2/2007	480.00	14:30	5.2	11.52	8.32	37.0	
Storm Flow	4/4/2007	286.50	12:40	0.2	15.33	8.62	60+	
Snowmelt Flow	4/17/2007	221.90	12:55	11.8	13.60	8.61	60+	
Base Flow	5/4/2007	89.90	11:35	13.6	10.40	8.22	60+	
Storm Flow	5/8/2007	463.90	10:55	12.0	9.82	7.69	30.1	
Base Flow	5/30/2007	83.50	11:05	20.4	9.47		54.7	
Storm Flow	6/4/2007	536.30	12:35	17.0	7.44	6.96	4.0	
Storm Flow	6/7/2007	217.20	13:35	19.8	8.07	8.25	17.1	
Storm Flow	6/18/2007	588.10	11:50	20.1	7.11	8.12	17.9	
Base Flow	7/6/2007	24.70	11:40	24.0	8.28	8.32	42.4	
Base Flow	7/27/2007	5.90	12:00	26.4	6.91	8.27	32.4	
Base Flow	8/9/2007	4.90	12:00	24.7	10.69	8.72	34.8	
Storm Flow	8/20/2007	68.30	13:15	17.6	7.81	8.11	27.2	
Base Flow	9/6/2007	4.00	13:25	25.8	10.48	8.58	37.3	

FIELD DATA - Measurements taken on site, 2007**PMC020 - Primary Middle Cottonwood River near Lamberton -****Non-impacted stream/Western Corn Belt Plains****STORET CODE - S002-247**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	TT 2
Snowmelt Flow	3/13/2007	2554.55	11:35	0.4	12.32	8.23	9.3	
Storm Flow	4/2/2007	795.86	13:42	5.7	10.56	8.20	15.0	
Storm Flow	4/4/2007	623.84	11:40	2.0	13.90	8.53	16.6	
Snowmelt Flow	4/17/2007	414.66	11:20	10.4	11.62	8.47	18.5	
Base Flow	5/4/2007	200.21	10:20	14.2	9.35	8.02	47.3	
Storm Flow	5/8/2007	639.75	10:00	13.9	9.21	7.25	15.3	
Base Flow	5/30/2007	108.99	10:00	20.4	9.42		26.6	
Storm Flow	6/4/2007	303.27	11:45	17.4	8.23	7.09	7.0	
Storm Flow	6/7/2007	212.57	12:30	19.8	8.11	8.27	17.8	
Storm Flow	6/18/2007	180.33	10:50	23.4	7.66	8.44	18.4	
Base Flow	7/6/2007	22.53	10:30	24.2	7.32	8.23	17.9	
Base Flow	7/27/2007	4.47	10:45	24.6	6.81	8.04	20.2	
Base Flow	8/9/2007	6.78	10:50	22.9	8.34	8.27	25.4	
Storm Flow	8/20/2007	25.83	12:15	18.2	7.33	8.11	25.1	
Base Flow	9/6/2007	3.68	12:30	24.8	7.92	8.14	60+	

FIELD DATA - Measurements taken on site, 2007**TUP - Tertiary Plum Creek near Walnut Grove -****Non-impacted stream/Western Corn Belt Plains****STORET CODE - S001-913**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	TT 2
Storm Flow	4/2/2007	283.88	10:18	4.8	10.77	8.18	9.9	
Storm Flow	4/4/2007	150.03	11:00	0.1	15.44	8.63	17.0	
Snowmelt Flow	4/17/2007	106.68	10:50	9.4	11.95	8.55	14.8	
Base Flow	5/4/2007	44.89	9:50	12.9	9.50	8.08	60+	
Storm Flow	5/8/2007	186.83	9:20	12.5	9.83	7.29	14.6	
Base Flow	5/30/2007	31.52	9:35	18.9	8.11		60+	
Storm Flow	6/4/2007	39.44	11:20	17.5	8.78	7.11	26.3	
Base Flow	6/28/2007	9.79	12:40	19.9	9.54	8.31	60+	
Base Flow	7/6/2007	4.99	9:55	20.5	7.25	8.22	43.0	
Base Flow	7/27/2007	0.05	10:10	23.9	4.82	7.97	24.9	
Base Flow	8/9/2007	0.31	10:15	22.0	4.82	7.91	19.7	
Storm Flow	8/20/2007	0.10	11:45	17.4	7.92	8.21	43.6	