

FIELD DATA - Measurements taken on site, 2008**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
Base Flow	1/15/2008		11:15	0.1	13.42	8.21	60+
Base Flow	2/13/2008		10:50	0.2	11.37	7.96	60+
Base Flow	3/4/2008		10:40	0.2	11.57	8.02	60+
Base Flow	4/8/2008		14:05	6.8	12.42	8.44	23.4
Snowmelt/Tile	4/16/2008		13:15	12.3	11.08	8.48	22.1
Snowmelt/Tile	4/21/2008		12:00	13.5	10.78	8.55	27.4
Storm Flow	4/28/2008		13:15	6.0	12.43	8.49	6.6
Storm Flow	5/3/2008		12:15	9.1	11.12	8.43	3.2
Storm Flow	5/6/2008		12:40	11.6	10.02	8.41	7.4
Base Flow	5/21/2008		13:20	16.5	11.30	8.46	22.3
Storm Flow	6/6/2008		13:15	17.0	8.44	8.21	3.6
Storm Flow	6/9/2008		12:30	17.7	8.98	8.34	9.2
Storm Flow	6/13/2008		11:10	17.7	8.74	8.37	6.8
Base Flow	6/26/2008		12:15	22.5	8.57	8.30	22.0
Base Flow	7/9/2008		11:15	25.0	10.18	8.44	25.2
Base Flow	7/31/2008		13:50	28.0	12.20	8.96	20.6
Base Flow	8/6/2008		12:40	27.5	9.58	8.61	34.9
Base Flow	8/25/2008		14:40	25.8	8.60	8.37	33.2
Base Flow	9/16/2008		11:30	17.8	10.81	8.47	21.2
Base Flow	9/30/2008		11:40	15.2	10.45	8.38	60+
Base Flow	10/31/2008		10:50	7.5	12.67	8.37	60+
Base Flow	11/25/2008		11:30	0.1	15.75	8.42	60+
Base Flow	12/30/2008		11:55	0	12.90	7.85	60+

FIELD DATA - Measurements taken on site, 2008**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
Base Flow	4/8/2008		13:15	7.4	13.80	8.56	60+
Base Flow	4/18/2008		11:40	7.8	11.28	8.46	60+
Storm Flow	4/28/2008		12:25	5.1	12.74	8.36	52.4
Storm Flow	5/3/2008		11:20	5.7	11.56	8.17	11.3
Storm Flow	5/6/2008		12:00	9.9	11.10	8.21	60+
Base Flow	5/21/2008		12:35	13.4	13.95	8.52	60+
Storm Flow	6/6/2008		12:30	13.8	8.85	8.34	10.2
Storm Flow	6/9/2008		11:50	15.2	9.71	8.22	33.2
Storm Flow	6/13/2008		10:25	15.2	9.01	8.16	27.2
Base Flow	6/26/2008		11:30	20.7	8.29	8.28	38.0
Base Flow	7/9/2008		10:35	22.4	8.11	8.31	39.3
Base Flow	7/31/2008		13:10	25.9	17.37	8.90	15.2
Base Flow	8/6/2008		12:00	24.7	16.15	8.98	17.0
Base Flow	8/25/2008		13:45	21.5	10.25	8.43	45.8
Base Flow	9/16/2008		10:30	15.2	9.55	8.31	56.8
Base Flow	9/30/2008		10:45	13.3	7.32	8.17	56.6

FIELD DATA - Measurements taken on site, 2008**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
Base Flow	4/8/2008		13:00	6.7	12.42	8.41	31.9
Snowmelt/Tile	4/16/2008		12:30	11.0	10.98	8.41	26.2
Snowmelt/Tile	4/21/2008		10:55	12.4	10.57	8.49	22.7
Storm Flow	4/28/2008		12:10	6.0	12.13	8.43	11.0
Storm Flow	5/3/2008		11:10	8.3	10.93	8.35	8.3
Storm Flow	5/6/2008		11:50	11.6	10.33	8.43	14.7
Base Flow	5/21/2008		12:20	15.2	9.92	8.34	26.2
Storm Flow	6/6/2008		12:15	16.2	8.82	8.21	11.3
Storm Flow	6/9/2008		11:40	17.4	8.76	8.27	9.8
Storm Flow	6/13/2008		10:15	17.9	8.33	8.26	5.4
Base Flow	6/26/2008		11:05	21.8	8.05	8.30	20.1
Base Flow	7/9/2008		10:20	22.8	9.52	8.36	43.5
Base Flow	7/31/2008		12:55	26.6	9.22	8.35	35.6
Base Flow	8/6/2008		11:50	25.2	12.33	8.57	36.4
Base Flow	8/25/2008		13:15	23.5	12.48	8.43	25.7
Base Flow	9/16/2008		10:10	15.2	11.85	8.52	22.6
Base Flow	9/30/2008		10:20	13.9	9.34	8.32	31.1

FIELD DATA - Measurements taken on site, 2008**PMC020 - Primary Middle Cottonwood River near Lambertton - Non-impacted stream/Western Corn Belt Plains****STORET CODE - S002-247**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1
Base Flow	4/8/2008		12:15	5.9	13.03	8.38	33.1
Snowmelt/Tile	4/16/2008		11:50	10.0	11.11	8.41	30.6
Snowmelt/Tile	4/18/2008		10:50	8.3	10.84	8.36	13.8
Snowmelt/Tile	4/21/2008		10:15	11.9	10.45	8.44	27.4
Storm Flow	4/28/2008		11:30	5.6	12.12	8.39	11.3
Storm Flow	5/3/2008		10:30	7.5	11.11	8.39	14.7
Storm Flow	5/6/2008		11:15	11.5	10.41	8.39	21.6
Base Flow	5/21/2008		11:40	13.9	10.12	8.32	34.6
Storm Flow	6/6/2008		11:40	16.0	8.96	8.22	26.4
Storm Flow	6/9/2008		11:05	17.3	8.51	8.25	13.7
Storm Flow	6/13/2008		9:35	16.7	8.24	8.23	9.2
Base Flow	6/26/2008		10:30	21.4	7.57	8.18	21.2
Base Flow	7/8/2008		13:10	25.0	7.59	8.28	30.5
Base Flow	7/31/2008		12:15	26.5	7.62	8.28	20.1
Base Flow	8/6/2008		11:15	24.4	9.16	8.39	25.8
Base Flow	8/25/2008		12:25	21.2	10.51	8.28	34.1
Base Flow	9/16/2008		9:15	14.9	9.16	8.33	28.6
Base Flow	9/30/2008		9:40	12.6	6.85	7.98	35.7

FIELD DATA - Measurements taken on site, 2008**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
Base Flow	4/8/2008		11:20	5.3	12.61	8.33	60+
Snowmelt/Tile	4/16/2008		11:30	9.6	10.71	8.38	11.3
Snowmelt/Tile	4/18/2008		10:30	6.8	11.75	8.49	37.4
Storm Flow	4/28/2008		11:00	5.3	12.52	8.43	13.5
Storm Flow	5/3/2008		10:00	6.0	11.92	8.36	9.8
Storm Flow	5/6/2008		10:40	11.0	10.61	8.43	21.8
Base Flow	5/21/2008		11:00	12.5	9.23	8.34	41.2
Storm Flow	6/6/2008		10:55	14.7	8.62	8.09	6.2
Storm Flow	6/9/2008		10:40	15.5	9.27	8.30	11.6
Storm Flow	6/13/2008		9:15	15.5	9.05	8.28	16.2
Base Flow	6/26/2008		9:50	19.4	8.18	8.24	43.0
Base Flow	7/8/2008		12:20	23.9	9.19		
Base Flow	7/31/2008		11:35	23.8	8.21	8.26	53.0
Base Flow	8/6/2008		10:30	21.7	10.04	8.31	60+
Base Flow	8/25/2008		11:00	17.7	7.50	7.85	60+
Base Flow	9/16/2008		8:10	12.4	6.89	7.96	60+
Base Flow	9/30/2008		8:25	11.8	4.47	7.80	60+