

FIELD DATA - Measurements taken on site, 2013

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	Conductivity
Base	1/15/2013		15:15	0.3	14.77	8.22	100+	1137
Base	2/13/2013		11:45	0.6	10.96	7.84		1043
Snowmelt	3/28/2013		14:50	1.3	11.81	7.88	8	368
Snowmelt	4/3/2013		14:15	3.5	13.15	7.89	15	557
Base	4/16/2013		15:00	8.7	12.40	8.23	36	865
Storm Event	4/23/2013		16:20	7.4	13.45	8.50	39	840
Storm Event	4/26/2013		12:45	11.0	11.90	8.54	35	457
Storm Event	4/29/2013		15:20	16.7	9.31	8.26	10	430
Storm Event	5/3/2013		10:40	8.8	11.11	8.31	16	850
Base	5/7/2013		15:20	17.4	13.37	8.82	24	945
Storm Event	5/21/2013		13:10	18.9	8.39	8.33	9	867
Base	6/11/2013		15:15	22.2	12.14	8.56	22	990
Storm Event	6/13/2013		11:55	20.4	8.37	8.40	12	1070
Storm Event	6/17/2013		12:45	23.1	8.08	8.34	16	1170
Storm Event	6/24/2013		13:55	21.6	7.14	7.84	6	712
Storm Event	6/25/2013		14:30	22.7	7.30	8.02	4	732
Storm Event	6/27/2013		15:35	25.3	7.15	8.10	12	845
Storm Event	7/2/2013		15:20	25.1	8.42	8.45	13	1078
Storm Event	7/10/2013		13:50	27.3	10.69	8.54	27	1032
Base	7/30/2013		14:05	23.1	9.21	8.43	29	868
Base	8/15/2013		15:35	26.3	9.36	8.44	28	818
Base	9/18/2013		15:20	21.8	10.78	8.42	47	815
Base	9/30/2013		15:00	20.2	11.23	8.50	>100	203
Base	10/15/2013		14:25	11.3	11.48	8.51	>100	775
Base	10/31/2013		12:55	7.2	12.63	8.38	>100	300
Base	11/19/2013		14:45	3.5	14.01	8.96	>100	900
Base	12/27/2013		12:45	0.6	9.50	7.68	>100	1120

FIELD DATA - Measurements taken on site, 2013

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	Conductivity
Base	4/16/2013		14:05	7.1	14.38	8.03	74	767
Storm Event	4/26/2013		11:55	9.4	12.82	8.47	73	370
Storm Event	4/29/2013		13:45	15.7	12.60	8.71	63	365
Base	5/7/2013		14:05	18.1	17.45	8.83	53	821
Storm Event	5/21/2013		11:55	17.5	8.14	8.23	35	864
Base	6/11/2013		14:25	21.5	8.21	8.24	50	924
Storm Event	6/24/2013		12:55	20.1	6.35	7.87	8	570
Storm Event	6/25/2013		13:20	20.6	6.49	7.75	9	610
Storm Event	6/27/2013		14:15	23.1	6.90	7.91	19	830
Storm Event	7/2/2013		14:05	22.6	7.90	8.24	24	996
Base	7/10/2013		13:00	24.6	11.44	8.57	54	954
Base	8/15/2013		14:20	22.5	9.89	8.44	80	832
Base	9/18/2013		13:55	18.6	9.98	8.42	>100	800
Base	9/30/2013		13:50	17.6	8.52	8.40	>100	820
Base	10/15/2013		13:15	10.6	8.14	8.18	>100	771

FIELD DATA - Measurements taken on site, 2013

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	Conductivity
Snowmelt	4/3/2013		13:05	0.7	12.97	7.29	19	616
Base	4/16/2013		13:35	6.3	12.55	8.09	50	933
Storm Event	4/26/2013		11:30	8.4	11.83	8.42	37	491
Storm Event	4/29/2013		13:20	13.7	9.24	8.06	10	419
Base	5/7/2013		13:35	13.4	12.36	8.54	22	1024
Storm Event	5/21/2013		11:35	18.6	8.82	8.45	18	1016
Storm Event	6/11/2013		14:10	20.3	8.43	8.28	22	1103
Storm Event	6/24/2013		12:40	21.0	6.80	7.92	7	848
Storm Event	6/25/2013		12:55	21.8	6.34	7.90	7	850
Storm Event	6/27/2013		13:50	24.9	6.33	7.96	12	917
Storm Event	7/2/2013		13:45	23.9	7.49	8.23	18	1131
Base	7/10/2013		12:40	25.6	8.73	8.39	23	1121
Base	8/15/2013		13:55	24.3	11.57	8.54	35	941
Base	9/18/2013		13:30	19.8	13.19	8.46	93	876
Base	9/30/2013		13:25	19.0	11.97	8.25	73	860
Base	10/15/2013		12:55	10.6	9.72	8.05	>100	802