

FIELD DATA - Measurements taken on site, 2023**PLC001 - Primary Lower Cottonwood River near New Ulm****STORET CODE - S001-918 2023 Wateryear (Oct 1, 2022 to Sept. 30, 2023)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Base	1/23/2023		13:50				>100	
Base	2/27/2023		14:15				37	
Base	3/24/2023		14:20				74	
Snowmelt	4/7/2023		13:05				11	
Snowmelt	4/10/2023		14:25				4	
Snowmelt	4/12/2023		13:50				4	
Snowmelt	4/14/2023		13:10	13.0	8.53	7.82	5	500
Snowmelt	4/17/2023		14:30	7.3	11.32	7.99	7	660
Rain Event	4/21/2023		13:15	5.7	11.21	7.90	7	655
Rain Event	4/22/2023		14:00	5.2	11.68	7.95	8	705
Rain Event	4/24/2023		15:15	7.2	11.57	8.14	10	820
Base	5/1/2023		14:10	11.6	11.29	8.29	17	915
Rain Event	5/11/2023		14:05	18.2	8.14	8.06	2	615
Rain Event	5/12/2023		15:05	16.4	8.08	7.80	4	485
Rain Event	5/14/2023		12:10				3	
Rain Event	5/15/2023		13:35				3	
Rain Event	5/16/2023		14:55	17.1	8.04	7.80	3	495
Rain Event	5/19/2023		13:15	15.3	8.80	7.91	8	695
Base	6/5/2023		12:20	25.6	9.12	8.45	19	950
MDA/Base	6/15/2023		11:15				14	
Base	6/23/2023		14:10	28.8	11.20	8.53	14	888
MDA/Base	6/30/2023		11:20				17	
MDA/Base	7/13/2023		11:45				36	
Base	7/24/2023		14:30	29.2	7.65	8.08	22	693
MDA/Base	7/31/2023		11:50				16	
MDA/Base	8/14/2023		12:00				16	
Base	8/25/2023		13:45				19	
MDA/Base	8/31/2023		13:50				19	
Rain Event	10/13/2023		14:00				15	
Rain Event	10/16/2023		13:55	12.6	11.24	8.01	54	675
Rain Event	10/27/2023		13:20	9.4	13.72	8.49	47	795
Rain Event	10/31/2023		13:35	3.0	13.96	8.29	>100	845
Base	11/13/2023		14:15				>100	
Base	12/7/2023		14:40				>100	

FIELD DATA - Measurements taken on site, 2023**PLS005 - Primary Lower Sleepy Eye Creek near Cobden****STORET CODE - S001-919 2023 Wateryear (Oct 1, 2022 to Sept. 30, 2023)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Snowmelt	4/10/2023		13:25				16	
Snowmelt	4/12/2023		13:00				10	
Snowmelt	4/13/2023		14:20				4	
Snowmelt	4/17/2023		13:25	4.5	11.73	7.90	15	636
Rain Event	4/20/2023		13:55	4.7	11.10	7.49	6	537
Rain Event	4/21/2023		12:15	4.2	11.12	7.68	15	628
Rain Event	4/24/2023		14:20	8.4	10.82	7.89	43	801
Base	5/1/2023		13:10	9.8	10.87	8.42	59	841
Rain Event	5/11/2023		12:55	14.9	7.99	7.62	2	396
Rain Event	5/12/2023		14:00	15.4	7.48	7.56	7	519
Rain Event	5/14/2023		10:43				5	
Rain Event	5/15/2023		8:14				7	
Rain Event	5/19/2023		12:20	12.7	8.82	7.57	13	604
Base	5/30/2023		13:15				30	
MDA/Base	6/15/2023		10:00				37	
Base	6/23/2023		13:15	26.3	9.07	8.53	43	876
MDA/Base	6/30/2023		10:20				66	
MDA/Base	7/13/2023		10:45				>100	
Base	7/24/2023		13:05	25.8	8.65	8.06	95	788
MDA/Base	8/14/2023		11:00				42	
Rain Event	10/13/2023		13:10				>100	
Rain Event	10/16/2023		12:50	11.2	9.78	7.41	98	835
Rain Event	10/26/2023		13:35	13.5	8.78	7.64	>100	732
Rain Event	10/31/2023		12:45				>100	

FIELD DATA - Measurements taken on site, 2023

PLC010 - Primary Lower Cottonwood River near Leavenworth

STORET CODE - S001-920 2023 Wateryear (Oct 1, 2022 to Sept. 30, 2023)

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Snowmelt	4/10/2023		12:55				6	
Snowmelt	4/12/2023		12:35				6	
Snowmelt	4/13/2023		13:50				9	
Snowmelt	4/17/2023		12:55	5.4	11.30	7.69	11	707
Rain Event	4/21/2023		12:00	5.9	10.90	7.86	7	713
Rain Event	4/22/2023		13:05	5.0	11.47	7.59	10	784
Rain Event	4/24/2023		13:55	7.2	11.11	7.86	13	860
Base	5/1/2023		12:45	10.5	10.86	7.99	22	970
Rain Event	5/11/2023		12:30	16.4	8.02	7.74	2	587
Rain Event	5/12/2023		13:35	17.9	7.18	7.71	5	620
Rain Event	5/14/2023		11:17				5	
Rain Event	5/15/2023		8:40				3	
Rain Event	5/16/2023		13:55	17.3	7.48	7.58	9	547
Rain Event	5/19/2023		11:55	15.5	8.29	7.63	12	781
Base	5/30/2023		12:55				28	
Base	6/23/2023		12:45	26.3	8.51	8.56	24	977
Base	7/24/2023		12:30	26.5	9.37	8.15	33	836
Base	8/25/2023		12:35				21	
Rain Event	10/13/2023		12:45				66	
Rain Event	10/16/2023		12:20	10.5		7.71	56	806
Rain Event	10/26/2023		13:05	13.7	9.37	7.68	43	860
Rain Event	10/31/2023		12:20				>100	

No probes along, no probe data collected
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Batteries died in meter - no probe data collected
Conductivity value would not stabilize, value recorded based on a few minutes of Observation.

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(and MDA DO probe reading "out of range" - Temp value taken from pH probe until DO probe works
DO probe Conductivity value would not stabilize, value recorded based on a few minutes of Observation.
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MDA only stop
DO probe Conductivity value would not stabilize, value recorded based on a few minutes of Observation.
Conductivity probe not reading temp correctly - value may be incorrect
MDA only stop
(and MDA DO and Conductivity probes not working, no pH data collected.
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MDA only stop
DO and Conductivity probes not working, no pH data collected.
MDA only stop
MDA only stop

No probes along, no probe data collected
No probes along, no probe data collected

(and MDA)

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MDA only stop

Conductivity probe not reading temp correctly - value may be incorrect

MDA only DO and Conductivity probes not working, no pH data collected.

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MDA only stop

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DO probe reading "out of range" - Temp value taken from pH probe until DO probe works

Conductivity would not stabilize, value recorded based on a few minutes observation. Secchi tube blew into riv

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/er - no reading.

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