

FIELD DATA - Measurements taken on site, 2018

PLC001 - Primary Lower Cottonwood River near New Ulm

STORET CODE - S001-918 **2018 Wateryear (Oct 1, 2017 to Sept. 30, 2018)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Winter Base	1/9/2018		14:05				>100	
Winter Base	2/14/2018		14:10	1.0	12.18	7.25	>100	1195
Snowmelt	3/15/2018		12:45	0.9	12.59	7.83	55	830
Snowmelt	3/19/2018		14:00	0.6	12.46	7.68	17	565
Snowmelt	3/22/2018		14:50	1.0	13.01	8.01	7	520
Snowmelt	3/29/2018		14:40	2.9	12.85	7.84	5	500
Snowmelt	4/2/2018		14:25	1.3	14.03	7.92	7	590
Snowmelt	4/12/2018		14:15	5.9	11.89	8.28	8	825
Snowmelt	4/16/2018		13:30	1.3	13.99	7.85	7	580
Snowmelt - Ever	4/21/2018		17:05	4.4	12.21	7.97	6	
Snowmelt - Ever	4/23/2018		11:35	5.7	11.4	7.88	4	500
Snowmelt - Ever	4/25/2018		13:40	9.1	10.18	7.87	3	485
Snowmelt - Ever	5/3/2018		12:40	14.2	9.31	8.27	10	880
Base	5/18/2018		14:20	21.2	10.87	8.65	33	981
Storm Event	5/24/2018		14:50				9	
Storm Event	5/27/2018		12:55				13	
Storm Event	6/8/2018		14:05	21.2	8.23	8.55	3	880
Storm Event	6/10/2018		16:20	19.0	7.94	8.16	4	561
Storm Event	6/15/2018		11:05				11	
Storm Event	6/19/2018		14:20	19.9	8.21	8.55	7	890
Storm Event	6/22/2018		13:00	18.4	8.12	8.34	5	755
Storm Event	6/28/2018		14:05	21.9	7.74	9.17	11	900
Storm Event	7/5/2018		14:30				3	
Storm Event	7/6/2018		14:15				6	
Storm Event	7/9/2018		14:50	27.1	6.39		6	633
Storm Event	7/18/2018		14:05	24.3	7.67		12	956
Storm Event	7/21/2018		16:20				7	
Storm Event	7/30/2018		15:25	23.9	8.30		14	950
Base	8/23/2018		14:20	22.2	13.82		33	852
Storm Event	9/21/2018		13:30	16.3	8.00		4	625
Storm Event	9/22/2018		18:30				4	
Storm Event	9/24/2018		12:40	16.7	8.27		9	760
Storm Event	10/11/2018		12:10				6	
Base	11/1/2018		9:45				31	
Base	11/15/2018		13:05				34	
Base	12/19/2018		14:15				64	

FIELD DATA - Measurements taken on site, 2018**PLS005 - Primary Lower Sleepy Eye Creek near Cobden****STORET CODE - S001-919 2018 Wateryear (Oct 1, 2017 to Sept. 30, 2018)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Snowmelt	3/22/2018		13:45	0.9	12.60	7.76	33	539
Snowmelt	3/26/2018		13:45				70	
Snowmelt	3/29/2018		13:45	1.5	12.98	7.62	11	500
Snowmelt	4/2/2018		13:30	2.1	13.29	7.91	34	913
Snowmelt	4/12/2018		13:15	4.6	11.70	7.93	17	615
Snowmelt - Ever	4/20/2018		13:00	4.2	12.32	7.81	21	791
Snowmelt - Ever	4/21/2018		16:15	2.4	12.25	7.55	12	440
Snowmelt - Ever	4/23/2018		13:15	9.0	9.04	7.56	11	373
Snowmelt - Ever	4/27/2018		11:45	9.0	10.16	7.85	16	814
Base	5/18/2018		13:25	19.5	13.03	8.66	68	933
Storm Event	5/24/2018		13:35	16.3	8.40	8.14	15	942
Storm Event	5/27/2018		12:00				30	
Storm Event	6/8/2018		12:35	18.2	8.14	8.14	3	729
Storm Event	6/10/2018		15:30	16.6	7.70	7.96	14	783
Storm Event	6/13/2018		14:35	17.9	8.40	8.18	18	994
Storm Event	6/20/2018		13:45	15.7	8.64	8.26	20	1039
Storm Event	6/22/2018		11:55	18.1	7.55	8.03	19	857
Storm Event	6/28/2018		13:20	18.5	8.08		27	1050
Storm Event	7/4/2018		14:15				7	
Storm Event	7/5/2018		13:35				10	
Storm Event	7/9/2018		13:30	26.0	5.31		25	550
Storm Event	7/18/2018		13:15	22.5	7.29		22	897
Storm Event	7/20/2018		12:35	20.1	6.41		10	581
Storm Event	7/30/2018		13:35	22.6	7.80		33	955
Base	8/23/2018		13:10	20.3	9.42		68	988
Storm Event	9/21/2018		12:05	15.3	6.91		9	525
Storm Event	9/22/2018		16:25				14	
Storm Event	9/24/2018		11:35	16.5	7.29		24	830
Storm Event	10/11/2018		11:20				16	
Base	10/31/2018		14:45				70	

FIELD DATA - Measurements taken on site, 2018**PLC010 - Primary Lower Cottonwood River near Leavenworth****STORET CODE - S001-920 2018 Wateryear (Oct 1, 2017 to Sept. 30, 2018)**

Flow Type	Date	FLOW	Time	Temp ©	DO	pH	TT 1	Conductivity
Snowmelt	3/26/2018		13:20				9	
Snowmelt	3/29/2018		13:20	2.4	12.87	7.74	6	600
Snowmelt	4/2/2018		13:00	1.3	13.74	7.23		612
Snowmelt	4/12/2018		12:50	4.3	12.02	8.00	4	691
Snowmelt	4/16/2018		12:30	0.9	13.65	7.26	9	645
Snowmelt - Ever	4/21/2018		15:50	5.4	11.69	7.89	13	780
Snowmelt - Ever	4/23/2018		12:45	6.8	10.80	7.75	5	520
Snowmelt - Ever	4/25/2018		12:40	8.8	9.85	7.79	6	450
Snowmelt - Ever	4/30/2018		11:45	12.2	9.38	8.19	13	822
Base	5/18/2018		13:00	19.8	9.61	8.57	38	1046
Storm Event	5/24/2018		13:10	20.1	7.56	8.27	4	882
Storm Event	5/27/2018		11:30				20	
Storm Event	6/8/2018		12:10	20.1	7.89	8.46	9	936
Storm Event	6/10/2018		15:10	19.9	7.28	8.11	5	610
Storm Event	6/13/2018		14:10	19.6	8.03	8.38	10	1007
Storm Event	6/19/2018		13:15	20.0	7.68	8.49	7	954
Storm Event	6/22/2018		11:30	19.6	7.25	8.09	5	510
Storm Event	6/25/2018		12:20	21.3	7.10	8.32	16	800
Storm Event	7/4/2018		14:30				5	
Storm Event	7/5/2018		13:00				6	
Storm Event	7/9/2018		13:00	27.0	6.35		17	715
Storm Event	7/18/2018		12:50	24.6	6.80		15	991
Storm Event	7/20/2018		12:15	22.8	6.85		11	878
Storm Event	7/30/2018		13:05	22.9	7.56		14	1037
Base	8/23/2018		12:45	20.5	10.15		59	929
Storm Event	9/21/2018		11:40	16.2	7.45		6	510
Storm Event	9/22/2018		16:05				7	
Storm Event	9/24/2018		11:05	16.8	7.98		17	680
Storm Event	10/11/2018		11:00				8	
Base	10/31/2018		14:20				34	