

U.S. Geological Survey  
 Elm Creek near Champlin, Station Number 5287890  
 Water-Quality Data for Water Year 2018

site no	sample date	sample time	sample end date	sample end time	sample start time datum cd	tm datum rlbty cd	coll ent cd	medium cd	p00004	p00010	p00025	p00041	p00063	p00065
5287890*	10/3/2017	12:26	10/6/2017	9:26	CDT	K	USGSMNWC	WS						
5287890*	10/6/2017	13:44	10/9/2017	10:44	CDT	K	USGSMNWC	WS						
5287890	10/19/2017	11:00			CDT	K	USGSMNWC	WS	34	10.3	740	0	5	5.27
5287890	11/14/2017	10:00			CST	K	USGSMNWC	WS	32	2.4	738	2	5	4.46
5287890	12/12/2017	10:00			CST	K	USGSMNWC	WS	32	0	740	2	5	4.46
5287890	1/31/2018	10:00			CST	K	USGSMNWC	WS	19	0.2	731	1	4	3.43
5287890	2/14/2018	10:00			CST	K	USGSMNWC	WS	22	0	732	0	4	3.84
5287890	3/27/2018	10:30			CDT	K	USGSMNWC	WS	30	0.5	736	2	5	4.52
5287890	4/24/2018	9:30			CDT	K	USGSMNWC	WS	34	3.6	742	0	5	8.56
5287890	5/21/2018	10:30			CDT	K	USGSMNWC	WS	30	15	741	2	5	4.28
5287890*	5/29/2018	10:15	5/31/2018	7:15	CDT	K	USGSMNWC	WS						
5287890*	6/16/2018	10:52	6/17/2018	11:47	CDT	K	USGSMNWC	WS						
5287890	6/20/2018	9:30			CDT	K	USGSMNWC	WS	34	19.7	736	0	5	4.94
5287890*	6/26/2018	5:22	6/27/2018	4:07	CDT	K	USGSMNWC	WS						
5287890*	7/3/2018	12:27	7/5/2018	11:37	CDT	K	USGSMNWC	WS						
5287890*	7/12/2018	6:27	7/15/2018	11:37	CDT	K	USGSMNWC	WS						
5287890	7/17/2018	10:00			CDT	K	USGSMNWC	WS	34	22.8	742	0	5	5.6
5287890*	8/4/2018	1:40	8/6/2018	9:35	CDT	K	USGSMNWC	WS						
5287890*	8/24/2018	14:31	8/27/2018	8:36	CDT	K	USGSMNWC	WS						
5287890	8/28/2018	10:00			CDT	K	USGSMNWC	WS	29	19.3	734	60	5	4.25
5287890	9/6/2018	9:30			CDT	K	USGSMNWC	WS	28	16.7	749	0	5	4.28
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site no	sample date	sample time	sample end date	sample end time	p00095	p00191	p00300	p00301	p00340	p00400	p00530	p00535	p00540	p00600
5287890*	10/3/2017	12:26	10/6/2017	9:26					69		<15	<10	<15	1.5
5287890*	10/6/2017	13:44	10/9/2017	10:44					63		<15	<10	<15	1.4
5287890	10/19/2017	11:00			515	0.00003	8.5	78	73	7.6	<15	<10	<15	1.2
5287890	11/14/2017	10:00			611	0.00002	11.9	90	65	7.7	<15	<10	<15	1.3
5287890	12/12/2017	10:00			651	0.00003	11.4	80	61	7.5	<15	<10	<15	1.3
5287890	1/31/2018	10:00			736	0.00005	10.6	76	66	7.3	<15	<10	<15	1.3
5287890	2/14/2018	10:00			728	0.00003	10.7	76	57	7.5	<15	<10	<15	1.3
5287890	3/27/2018	10:30			599	0.00005	12.2	88	81	7.3	28	13	<15	2.7
5287890	4/24/2018	9:30			488	0.00006	9.9	77	66	7.3	32	<10	32	1.8
5287890	5/21/2018	10:30			619	0.00002	7.8	79	63	7.6	<15	<10	<15	1
5287890*	5/29/2018	10:15	5/31/2018	7:15					76		<15	<10	<15	1.8
5287890*	6/16/2018	10:52	6/17/2018	11:47					74		<15	<10	<15	1.1
5287890	6/20/2018	9:30			683	0.00006	5.8	65	78	7.2	17	17	0	1.2
5287890*	6/26/2018	5:22	6/27/2018	4:07					78		19	<10	19	1.1
5287890*	7/3/2018	12:27	7/5/2018	11:37					74		43	<10	33	1.3
5287890*	7/12/2018	6:27	7/15/2018	11:37					80		32	<10	32	1.4
5287890	7/17/2018	10:00			593	0.00006	3.9	46	81	7.2	16	<10	16	1.3
5287890*	8/4/2018	1:40	8/6/2018	9:35					75		<15	<10	<15	1.3
5287890*	8/24/2018	14:31	8/27/2018	8:36					71		28	22	6	1.5
5287890	8/28/2018	10:00			565	0.00002	6.4	72	57	7.7	27	20	7	1.7
5287890	9/6/2018	9:30			625	0.00002	6.9	73	71	7.8	<15	<10	<15	1.3
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U.S. Geological Survey  
 Elm Creek near Champlin, Station Number 5287890  
 Water-Quality Data for Water Year 2018

site no	sample date	sample time	sample end date	sample end time	p00605	p00608	p00610	p00613	p00618	p00625	p00631	p00665	p00666	p00940
5287890*	10/3/2017	12:26	10/6/2017	9:26	1.3	0.04	0.02	0.008	0.124	1.3	0.132	0.2	0.12	49.5
5287890*	10/6/2017	13:44	10/9/2017	10:44	1.3	0.04	0.02	0.005	0.079	1.3	0.084	0.16	0.11	48.3
5287890	10/19/2017	11:00			0.77	0.05	0.24	0.027	0.166	1	0.193	0.12	0.1	48.2
5287890	11/14/2017	10:00			0.9	0.11	0.12	0.008	0.229	1	0.237	0.06	<0.02	55.7
5287890	12/12/2017	10:00			0.92	0.13	0.14	0.005	0.229	1.1	0.234	0.08	0.02	57.1
5287890	1/31/2018	10:00			0.58	0.39	0.43	0.004	0.25	1	0.255	0.09	0.02	61.7
5287890	2/14/2018	10:00			0.63	0.41	0.44	0.004	0.263	1.1	0.266	0.08	0.03	55.6
5287890	3/27/2018	10:30			1.4	0.71	0.81	0.034	0.546	2.2	0.58	0.35	0.22	80.7
5287890	4/24/2018	9:30			0.9	0.26	0.29	0.023	0.555	1.2	0.578	0.19	0.07	70.1
5287890	5/21/2018	10:30			0.87	0.06	0.06	0.012	0.092	0.93	0.103	0.15	0.09	74
5287890*	5/29/2018	10:15	5/31/2018	7:15	1.1	0.11	0.12	0.04	0.527	1.3	0.567	0.25	0.16	114
5287890*	6/16/2018	10:52	6/17/2018	11:47	0.91	0.07	0.08	0.012	0.102	0.99	0.114	0.21	0.13	81.1
5287890	6/20/2018	9:30			1	0.05	0.06	0.008	0.134	1.1	0.142	0.23	0.17	110
5287890*	6/26/2018	5:22	6/27/2018	4:07	1	0.05	0.06	0.006	0.059	1.1	0.065	0.22	0.15	90.6
5287890*	7/3/2018	12:27	7/5/2018	11:37	1.2	0.08	0.1	0.005	0.056	1.3	0.061	0.29	0.18	78.2
5287890*	7/12/2018	6:27	7/15/2018	11:37	1.2	0.11	0.12	0.008	0.055	1.3	0.063	0.43	0.2	62.9
5287890	7/17/2018	10:00			1.2	0.08	0.05	0.005	0.051	1.3	0.056	0.45	0.34	71
5287890*	8/4/2018	1:40	8/6/2018	9:35	0.97	0.09	0.11	0.032	0.163	1.1	0.194	0.18	0.12	71.2
5287890*	8/24/2018	14:31	8/27/2018	8:36	1.2	0.08	0.1	0.032	0.234	1.3	0.266	0.2	0.11	79.1
5287890	8/28/2018	10:00			1.4	0.09	0.11	0.024	0.173	1.5	0.197	0.22	0.12	80.6
5287890	9/6/2018	9:30			1	0.07	0.1	0.019	0.181	1.1	0.2	0.17	0.1	93
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U.S. Geological Survey  
 Elm Creek near Champlin, Station Number 5287890  
 Water-Quality Data for Water Year 2018

site no	sample date	sample time	sample end date	sample end time	p30207	p50280	p62856	p71845	p71846	p71851	p71856	p71999	p72101	p72105	p72123
5287890*	10/3/2017	12:26	10/6/2017	9:26		1002		0.028	0.05	0.548	0.027	10			
5287890*	10/6/2017	13:44	10/9/2017	10:44		1002		0.027	0.049	0.349	0.017	10			
5287890	10/19/2017	11:00			1.61	1001		0.313	0.065	0.737	0.089	10		20	
5287890	11/14/2017	10:00			1.36	1001		0.151	0.14	1.01	0.027	10		20	
5287890	12/12/2017	10:00			1.36	1001		0.176	0.171	1.01	0.016	10		20	
5287890	1/31/2018	10:00			1.05	1001		0.551	0.503	1.11	0.014	10	300		
5287890	2/14/2018	10:00			1.17	1001		0.568	0.531	1.16	0.013	10		20	
5287890	3/27/2018	10:30			1.38	1001		1.04	0.916	2.42	0.111	10		20	
5287890	4/24/2018	9:30			2.61	1001		0.375	0.334	2.46	0.075	10		20	
5287890	5/21/2018	10:30			1.3	1001		0.081	0.077	0.407	0.038	10		20	
5287890*	5/29/2018	10:15	5/31/2018	7:15		1002	54	0.16	0.141	2.34	0.131	10		0	42
5287890*	6/16/2018	10:52	6/17/2018	11:47		1002	22	0.102	0.084	0.452	0.038	10		0	20
5287890	6/20/2018	9:30			1.51	1001		0.071	0.062	0.593	0.028	10		20	
5287890*	6/26/2018	5:22	6/27/2018	4:07		1002	58	0.076	0.068	0.261	0.019	10		0	55
5287890*	7/3/2018	12:27	7/5/2018	11:37		1002	199	0.125	0.104	0.247	0.016	10		0	171
5287890*	7/12/2018	6:27	7/15/2018	11:37		1002	124	0.151	0.141	0.242	0.027	10		0	111
5287890	7/17/2018	10:00			1.71	1001		0.066	0.101	0.224	0.017	10		20	
5287890*	8/4/2018	1:40	8/6/2018	9:35		1002	12	0.144	0.114	0.72	0.104	10		0	11
5287890*	8/24/2018	14:31	8/27/2018	8:36		1002	18	0.126	0.105	1.04	0.105	10		0	17
5287890	8/28/2018	10:00			1.3	1001		0.14	0.114	0.768	0.078	10		20	
5287890	9/6/2018	9:30			1.3	1001		0.124	0.088	0.803	0.061	10		20	
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 Elm Creek near Champlin, Station Number 5287890  
 Water-Quality Data for Water Year 2018

site no	sample date	sample time	sample end date	sample end time	p82398	p84164	p84171	p84182	p90095	p99111	p99156	p99162	p99163	p99165	p99171
5287890*	10/3/2017	12:26	10/6/2017	9:26	25	4115	10	2	463	1	40247			30451	20227
5287890*	10/6/2017	13:44	10/9/2017	10:44	25	4115	10	2	476	1	40247			30451	20227
5287890	10/19/2017	11:00			40	3061	10	1		1	40247	30470	30538	30565	20227
5287890	11/14/2017	10:00			40	3061	10	1		1	40247	30533	30538	30565	20227
5287890	12/12/2017	10:00			40	3061	10	1		1	40247	30533	30538	30565	20227
5287890	1/31/2018	10:00			40	3061	10	1		1	40247	30533	30538	30565	20258
5287890	2/14/2018	10:00			40	3061	10	1		1	40247	30533	30538	30565	20258
5287890	3/27/2018	10:30			40	3061	10	1		1	40251	30533	30538	30565	20258
5287890	4/24/2018	9:30			40	3061	10	1		1	40251	30533	30634	30565	20258
5287890	5/21/2018	10:30			40	3061	10	1		1	40251	30650	30634	30651	20287
5287890*	5/29/2018	10:15	5/31/2018	7:15	25	4115	10	2		1	40251				
5287890*	6/16/2018	10:52	6/17/2018	11:47	50	4115	10	2	615	1	40251				
5287890	6/20/2018	9:30			40	3061	10	1		1	40251	30650	30634	30651	20287
5287890*	6/26/2018	5:22	6/27/2018	4:07	50	4115	40	2		1	40264				
5287890*	7/3/2018	12:27	7/5/2018	11:37	50	4115	40	2		1	40264				
5287890*	7/12/2018	6:27	7/15/2018	11:37	50	4115	40	2		1	40264				
5287890	7/17/2018	10:00			40	3061	10	1		1	40264	30650	30634	30651	20287
5287890*	8/4/2018	1:40	8/6/2018	9:35	50	4115	40	2	584	1	40251				
5287890*	8/24/2018	14:31	8/27/2018	8:36	50	4115	40	2		1	40264				
5287890	8/28/2018	10:00			40	3061	10	1		1	40273	30641	30634	30657	20334
5287890	9/6/2018	9:30			40	3061	10	1		1	40273	30641	30634	30670	20318
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U.S. Geological Survey  
 Elm Creek near Champlin, Station Number 5287890  
 Water-Quality Data for Water Year 2018

site no	sample date	sample time	sample end date	sample end time	p99172	p99173	p99206	p99234
5287890*	10/3/2017	12:26	10/6/2017	9:26		20218	10048	
5287890*	10/6/2017	13:44	10/9/2017	10:44		20218	10048	
5287890	10/19/2017	11:00			20261	20259	10048	
5287890	11/14/2017	10:00			20261	20259	10052	
5287890	12/12/2017	10:00			20261	20259	10052	
5287890	1/31/2018	10:00			20261	20241	10048	
5287890	2/14/2018	10:00			20261	20241	10052	
5287890	3/27/2018	10:30			20261	20241	10052	
5287890	4/24/2018	9:30			20261	20241	10052	
5287890	5/21/2018	10:30			20311	20241	10052	
5287890*	5/29/2018	10:15	5/31/2018	7:15			10052	16
5287890*	6/16/2018	10:52	6/17/2018	11:47			10052	24
5287890	6/20/2018	9:30			20311	20289	10052	
5287890*	6/26/2018	5:22	6/27/2018	4:07			10052	23
5287890*	7/3/2018	12:27	7/5/2018	11:37			10052	24
5287890*	7/12/2018	6:27	7/15/2018	11:37			10052	
5287890	7/17/2018	10:00			20311	20289	10052	
5287890*	8/4/2018	1:40	8/6/2018	9:35			10052	12
5287890*	8/24/2018	14:31	8/27/2018	8:36			10052	14
5287890	8/28/2018	10:00			20311	20329	10052	
5287890	9/6/2018	9:30			20311	20330	10055	
* Automatic Event Samples								