

05287890 ELM CREEK NEAR CHAMPLIN, MN
USGS Water-Year Summary 2018

LOCATION - Lat 45°09'48", Long 93°26'11" North American Datum of 1927, in NE 1/4 NW 1/4 sec.35, T.120 N., R.22 W., Hennepin County, MN.
DISCHARGE, CUBIC FEET PER SECOND. YEAR 2017-10-01 to 2018-09-30. DAILY MEAN VALUES.
DRAINAGE AREA - 86 mi². [E, Value has been estimated.]

Complete data can be downloaded from:

https://waterdata.usgs.gov/nwis/wys_rpt?dv_ts_ids=73213&wys_water_yr=2018&site_no=05287890&agency_cd=USGS&adr_water_years=2006%2C2007%2C2008%2C2009%2C2010%2C2011%2C2012%2C2013%2C2014%2C2015%2C2016%2C2017&referred_module=

Day	Oct 2016	Nov 2016	Dec 2016	Jan 2017	Feb 2017	Mar 2017	Apr 2017	May 2017	Jun 2017	Jul 2017	Aug 2017	Sep 2017
1	22.3	31.3	19.7	E6.74	E3.81	4.14	135	214	68.8	74	8.28	18.4
2	26.2	28.4	21.9	E6.03	E3.8	4.31	145	185	64.1	115	7.39	15.3
3	52	26.9	22	E5.46	E3.8	4.37	141	163	60.1	140	7.2	13
4	84.2	27.4	24.4	E5.09	E3.8	4.91	129	144	53.9	173	10.1	14.1
5	101	28.8	25.3	E4.75	E3.78	5.55	124	128	47.3	197	12.3	22.8
6	130	28.1	24.6	E4.59	E3.76	5.33	109	114	42.1	195	11.8	23.6
7	155	25.8	23.3	E4.55	E3.74	E5.36	107	100	37.3	179	12.1	22.6
8	156	24.1	23	E4.56	E3.74	E5.5	93.7	89	32.1	159	11.8	20.7
9	141	22.4	21.3	E4.64	E3.68	5.4	84	82.5	28.7	136	10.4	17.4
10	121	27.6	19.5	E4.64	E3.69	5.2 6	79.1	76	27.3	115	8.64	12.9
11	102	20.7	19	E4.57	E3.71	4.8 4	76.5	69.8	25.5	99.1	7.09	9.99
12	87.8	16.3	22.8	E4.39	E3.72	4.7 8	89.4	64.9	24.9	98.6	6.19	8.41
13	74.3	14	15.4	E4.23	E3.73	5.14	109	60.2	23.2	119	5.99	6.43
14	63.8	12.8	21.2	E4.21	E3.76	5.64	109	56	20.9	115	5.38	6.35
15	63.3	13.3	18.7	E4.3	E3.76	6.76	158	53.7	18.5	109	5.42	6.19
16	59.7	16.5	20.3	E4.34	E3.76	E7.68	122	50.6	18.8	97.5	4.87	6.08
17	56.8	17.6	20.7	E4.44	E3.76	8.19	129	46.1	25.7	82.7	5.55	7.28
18	54.6	18.1	20.9	E4.48	E3.83	13	131	40.9	45.5	70.1	5.32	9.89
19	52.7	16.3	21.9	E4.48	E3.87	25	128	39.2	52.5	61.2	4.87	10.5
20	48.9	17.6	21.2	E4.47	E3.84	27.5	159	34	56.8	54.1	5.47	20.3
21	47.9	16.8	23.7	E4.45	E3.78	E29.1	205	31.1	61.7	47.2	5.62	75.3
22	48.7	16.4	21.9	E4.19	E3.61	29.2	265	28.7	65.2	39.8	4.97	86.7
23	49.4	15.4	20.8	E3.95	E3.51	39.6	333	26.9	64.6	33.8	5.07	100
24	48.2	16.6	18.7	E3.86	E3.48	49.9	382	25	59.7	28.3	10.4	117
25	44.3	17.1	17.2	E3.88	E3.45	58.7	400	36.7	52.8	23.7	17.4	121
26	41.5	17.3	E14.8	E3.89	E3.9	72	394	44.1	54.6	20.2	16.8	111
27	41.1	16.7	E12.4	E3.89	3.96	87	370	39.7	59.1	17.2	19	93.7
28	40.6	19.1	E10.4	E3.89	4.01	102	335	36.4	58.9	14.1	22.8	76.9
29	38.8	19.4	E9.1	E3.88		112	289	45.3	59.6	11.9	23.9	63.1
30	36.4	19.1	E8.47	E3.86		122	248	62.3	58.2	10.4	22.3	51.8
31	33.9		E7.58	E3.85		144		69.3		9.17	21.4	
STATISTICS FOR WATER YEAR OCTOBER 2017 TO SEPTEMBER 2018												
Total	2,123	608	592	139	105	1,004	5,579	2,257	1,368	2,645	326	1,169
Mean	68.5	20.3	19.1	4.47	3.75	32.4	186	72.8	45.6	85.3	10.5	39.0
Max	156	31.3	25.3	6.74	4.01	144	400	214	68.8	197	23.9	121
Min	22.3	12.8	7.58	3.85	3.45	4.14	76.5	25	18.5	9.17	4.87	6.08
Ac-ft	4,212	1,206	1,175	275	208	1,992	11,065	4,476	2,714	5,246	646	2,318

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	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	34.8	23.7	12.3	6.14	9.99	58.8	100	87.9	64.5	41.7	31.0	33.4
Max	240	120	67.2	30.4	99.1	189	414	355	391	157	163	356
(WY)	(1986)	(2016)	(2017)	(2017)	(1984)	(2011)	(2001)	(2014)	(2014)	(1993)	(2016)	(2016)
Min	1.13	1.03	.92	.74	.85	3.48	5.31	3.54	1.34	.76	1.36	1.03
(WY)	(1990)	(1990)	(1990)	(1991)	(2014)	(2014)	(1987)	(2000)	(1988)	(1988)	(2008)	(2013)

<u>SUMMARY STATISTICS</u>	<u>WATER YEAR 2018</u>		<u>WATER YEARS 1979 - 2017</u>	
Annual total	17,914		42.1	
Annual mean	49.1		90.0	
Highest annual mean			2014	
Lowest annual mean			4.54	
Highest daily mean	214	May 1	1,160	Sep 24, 2016
Lowest daily mean	3.45	Feb 25	0.310	Jun 30, 1988
Annual 7-day minimum	3.67	Feb 25	0.347	Jun 26, 1988
Maximum peak flow	NA	Unavailable	1,220	Sep 24, 2016
Maximum peak stage	NA	Unavailable	10.25	Sep 24, 2016
Annual runoff (cfsm)	0.571		0.490	
Annual runoff (inches)	7.75		6.65	
10 percent exceeds	125.6		116.0	
50 percent exceeds	23.0		12.7	
90 percent exceeds	3.99		1.54	