01555500 EAST MAHANTANGO CREEK NEAR DALMATIA, PA

Lower Susquehanna Basin
Lower Susquehanna-Penns Subbasin

LOCATION.--Lat 40°36′40″, long 76°54′44″ referenced to North American Datum of 1927, Northumberland County, PA, Hydrologic Unit 02050301, on right bank at bridge on SR 3017, 2.0 mi upstream from mouth, and 3.2 mi south of Dalmatia.

DRAINAGE AREA.--162 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1929 to current year. Prior to October 1945, published as Mahantango Creek East near Dalmatia.

REVISED RECORDS.--WSP 891: 1933(M). WSP 1302: 1930(M), 1938(M).

GAGE.--Water-stage recorder. Datum of gage is 401.22 ft above National Geodetic Vertical Datum of 1929. Oct 1, 1929, to Feb 11, 1930, non-recording gage, and Feb 12, 1930, to Nov 18, 1973, water-stage recorder at present site at datum 0.72 ft lower. Nov 19, 1973, to Jun 18, 1974, non-recording gage at site 2 mi upstream at different datum. Satellite telemetry at station.

COOPERATION.--Station established and maintained by the U.S. Geological Survey. Funding for the operation of this station is provided by the Pennsylvania Department of Environmental Protection and the U.S. Geological Survey through the Cooperative Water Program.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Intermittent regulation of unknown origin evident during low flows. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 30	0645	*3,690	*7.47
Dec 21	1530	3,280	6.99
Jan 31	1145	2,630	6.18
Jun 11	0345	3,540	7.30

Minimum discharge, 21 ft^3/s, Sept. 30, gage height, 1.21 ft.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01555500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01555500.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	57	984	88	227	1,260	259	174	153	91	328	55	34
2	57	647	84	213	757	236	163	137	85	362	55	34
3	66	469	84	e180	588	217	149	128	81	267	66	40
4	74	356	85	e170	474	198	141	122	75	218	83	34
5	82	294	88	168	388	181	139	117	69	176	63	29
6	70	249	81	159	331	172	136	112	67	147	52	27
7	61	221	80	158	280	161	129	109	83	126	48	25
8	56	195	108	153	254	149	128	296	86	130	55	25
9	52	172	109	147	244	141	123	998	75	129	63	25
10	49	156	114	144	e200	134	121	648	87	112	161	24
11	46	142	179	147	211	130	158	697	1,830	102	101	24
12	42	131	207	244	215	158	161	654	541	91	81	33
13	39	241	183	291	192	334	190	527	478	114	86	45
14	37	304	166	303	181	262	159	424	479	110	77	39
15	37	244	153	278	172	238	144	359	313	88	62	30
16	39	219	144	280	174	233	136	313	239	78	55	27
17	39	194	138	273	163	225	153	264	196	70	50	26
18	38	173	155	262	e125	208	142	231	161	63	46	25
19	219	160	149	246	e140	218	156	208	138	60	44	24
20	307	151	135	266	e140	293	454	188	117	58	44	23
21	219	143	1,910	e250	e130	286	351	171	105	53	41	23
22	167	133	1,420	e240	e130	262	284	157	93	52	41	33
23	136	125	780	e170	126	238	252	156	86	86	43	44
24	119	121	567	e170	122	220	237	196	76	69	44	33
25	104	112	455	e160	118	217	246	157	75	55	39	27
26	93	106	376	e160	112	226	209	136	92	50	35	25
27	89	103	388	e170	181	200	182	120	126	46	34	24
28	89	109	320	e170	283	183	169	117	367	123	39	23
29	258	99	286	184	---	172	165	125	532	98	50	22
30	3,100	91	268	252	---	163	167	110	306	68	39	21
31	1,760	---	237	1,940	---	163	---	99	---	58	35	---
Total	7,601	6,844	9,537	8,175	7,691	6,477	5,518	8,229	7,149	3,587	1,787	868
Mean	245	228	308	264	275	209	184	265	238	116	57.6	28.9
Max	3,100	984	1,910	1,940	1,260	334	454	998	1,830	362	161	45
Min	37	91	80	144	112	130	121	99	67	46	34	21
Cfsm	1.51	1.41	1.90	1.63	1.70	1.29	1.14	1.64	1.47	0.71	0.36	0.18
In.	1.75	1.57	2.19	1.88	1.77	1.49	1.27	1.89	1.64	0.82	0.41	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	140	217	301	285	300	429	366	279	184	99.6	81.0	131
Max	1,025	553	852	1,259	831	1,212	1,160	986	2,361	504	585	2,329
(WY)	(1977)	(1951)	(1997)	(1996)	(1981)	(1994)	(1993)	(1989)	(1972)	(1947)	(1933)	(2011)
Min	5.14	8.65	14.0	12.4	54.3	111	105	67.5	29.7	13.5	9.36	3.98
(WY)	(1931)	(1931)	(1931)	(1981)	(1934)	(1931)	(2012)	(1941)	(1965)	(1965)	(1957)	(1932)

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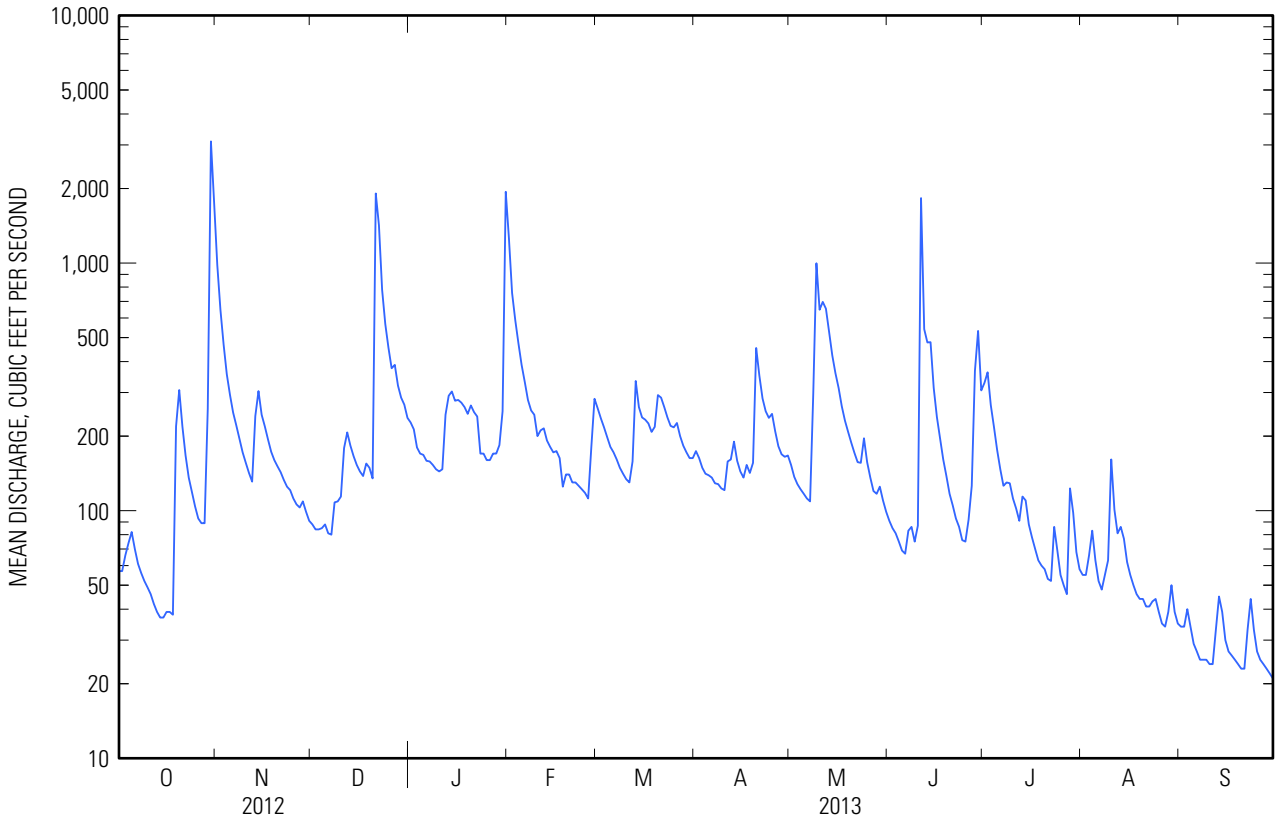
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1930 - 2013	
Annual total	73,219		73,463			
Annual mean	200		201		234	
Highest annual mean					582	2011
Lowest annual mean					70.7	1931
Highest daily mean	3,100	Oct 30	3,100	Oct 30	39,000	Jun 22, 1972
Lowest daily mean	23	Sep 16[a]	21	Sep 30	1.5	Sep 21, 1932
Annual seven-day minimum	26	Sep 11	25	Sep 24	1.7	Sep 16, 1932
Maximum peak flow			3,690	Oct 30	[b]69,900	Jun 22, 1972
Maximum peak stage			7.47	Oct 30	[c]26.62	Jun 22, 1972
Instantaneous low flow			21	Sep 30	1.3	Oct 7, 1957[d]
Annual runoff (cfsm)	1.23		1.24		1.44	
Annual runoff (inches)	16.81		16.87		19.62	
10 percent exceeds	380		332		500	
50 percent exceeds	132		142		124	
90 percent exceeds	40		39		24	

[a] Also Sep 17.
[b] From rating curve extended above 11,600 ft³/s on basis of slope-area measurement of peak flow at gage height 26.62 ft.
[c] From floodmark in gage.
[d] Also Nov 3, 1964.