

JUNIATA RIVER BASIN

01564500 AUGHWICK CREEK NEAR THREE SPRINGS, PA

LOCATION.--Lat 40°12'45", long 77°55'32", Huntingdon County, Hydrologic Unit 02050304, on right bank 10 ft downstream from bridge on State Highway 994, 300 ft upstream from East Broad Top Railroad bridge, 350 ft upstream from Three Springs Creek, and 3.5 mi northeast of Three Springs. Records include flow of Three Springs Creek.

DRAINAGE AREA.--205 mi², includes that of Three Springs Creek.

PERIOD OF RECORD.--June 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 618.65 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1889, reached a stage of about 19.3 ft, discharge, about 24,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 2,100 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
May 18	1545	*3,310	*8.85	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	14	24	e9.3	57	20	298	460	121	24	11	8.2
2	19	9.7	27	e8.7	54	19	253	400	111	20	8.9	8.1
3	19	11	25	e8.8	48	46	222	355	84	17	7.4	7.5
4	18	11	20	e8.5	44	123	193	264	72	15	6.5	7.0
5	17	11	18	e8.4	37	63	166	226	72	14	8.3	6.8
6	17	10	16	e8.0	33	54	149	201	179	12	13	6.3
7	17	9.8	15	e8.6	41	58	135	185	481	11	9.7	5.7
8	17	9.8	16	e8.9	34	47	120	177	212	10	8.5	4.7
9	17	9.7	22	e12	32	42	114	392	146	9.6	7.7	4.0
10	17	9.7	25	e13	30	39	144	503	115	11	6.3	3.9
11	17	9.3	27	e30	30	38	128	345	95	10	5.3	3.6
12	17	9.5	23	e90	30	36	105	316	80	10	4.6	3.3
13	23	9.7	20	e60	29	35	102	409	77	9.4	4.7	3.0
14	21	9.6	21	e48	26	36	119	458	103	10	4.5	2.7
15	24	9.4	27	e41	23	36	259	364	127	12	4.2	3.2
16	34	9.4	33	e36	24	36	285	277	102	15	3.9	5.9
17	24	8.8	29	e31	26	39	248	228	76	14	3.9	7.3
18	25	8.8	28	e25	24	82	235	2010	60	11	3.8	8.6
19	18	8.9	27	e23	21	257	482	1350	52	9.8	3.7	9.3
20	14	8.7	26	24	20	735	393	743	45	11	4.6	10
21	13	8.5	24	27	22	1230	340	529	39	27	4.7	13
22	12	8.7	21	25	22	541	416	404	35	21	4.4	16
23	11	8.7	18	25	21	346	408	323	31	14	7.5	21
24	12	8.7	e18	59	20	257	331	268	28	15	10	36
25	13	20	e16	177	19	205	285	225	25	15	21	26
26	12	51	e16	97	19	193	250	195	23	16	20	19
27	12	49	e15	68	20	369	208	222	23	21	15	50
28	13	30	e14	56	20	287	498	176	28	45	11	148
29	13	23	e13	47	---	238	849	152	43	37	10	81
30	13	22	e12	43	---	208	573	134	34	20	9.0	43
31	14	---	e11	47	---	185	---	116	---	14	8.6	---
TOTAL	533	427.4	647	1173.2	826	5900	8308	12407	2719	500.8	251.7	572.1
MEAN	17.2	14.2	20.9	37.8	29.5	190	277	400	90.6	16.2	8.12	19.1
MAX	34	51	33	177	57	1230	849	2010	481	45	21	148
MIN	11	8.5	11	8.0	19	19	102	116	23	9.4	3.7	2.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

MEAN	107	186	259	253	378	567	472	313	184	81.6	60.4	62.8
MAX	656	946	890	1062	1399	1612	1296	798	1985	848	355	978
(WY)	1977	1951	1973	1996	1984	1994	1993	1960	1972	1989	1967	1996
MIN	6.59	12.3	12.6	14.2	29.5	93.0	103	55.0	25.0	8.40	3.25	5.08
(WY)	1964	1999	1999	1981	2002	1990	1971	1941	1991	1966	1966	1964

e Estimated.

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01564500 AUGHWICK CREEK NEAR THREE SPRINGS, PA--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	44883.5		34265.2		243	
ANNUAL MEAN	123		93.9		486	
HIGHEST ANNUAL MEAN					1972	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	1570	Mar 22	2010	May 18	18700	Jun 23 1972
LOWEST DAILY MEAN	3.9	Sep 8	2.7	Sep 14	0.80	Sep 3 1966
ANNUAL SEVEN-DAY MINIMUM	4.4	Sep 7	3.4	Sep 9	1.2	Aug 29 1966
MAXIMUM PEAK FLOW			3310	May 18	^a 32600	Jan 19 1996
MAXIMUM PEAK STAGE			8.85	May 18	20.85	Jan 19 1996
INSTANTANEOUS LOW FLOW			2.6	Sep 14	0.80	Sep 2 1966 ^b
10 PERCENT EXCEEDS	379		272		575	
50 PERCENT EXCEEDS	32		24		97	
90 PERCENT EXCEEDS	7.9		8.4		14	

^a From rating curve extended above 7,100 ft³/s on basis of contracted-opening measurement at gage height 18.04 ft.

^b Also Sept. 3, 4, 11-13, 1966.

