

**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 mi<sup>2</sup>, 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 sea level.

**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 ft<sup>3</sup>/s.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 2,100 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Mar. 22	0615	*1,810	*7.08	(No peaks above base discharge.)			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	15	76	e42	566	130	544	123	52	28	9.2	7.4
2	23	15	66	e40	491	129	453	121	64	36	9.8	6.4
3	22	14	e46	e38	402	128	372	115	74	38	9.7	5.7
4	21	14	e42	e38	323	128	317	108	73	29	13	5.3
5	20	14	e42	e37	269	157	269	99	57	27	13	4.9
6	19	14	e41	e36	247	137	238	90	48	35	16	4.4
7	19	14	e40	e35	241	143	241	81	47	30	13	4.2
8	18	14	e40	e35	236	172	234	74	46	26	10	3.9
9	17	15	e40	e34	249	286	299	74	41	23	9.0	4.0
10	19	165	e40	e34	396	326	595	74	35	23	8.5	4.6
11	21	172	e39	e33	430	313	556	68	32	20	7.9	5.3
12	23	86	e39	e33	314	299	598	63	30	18	7.1	4.5
13	22	63	e38	e32	260	775	527	59	29	15	7.8	4.2
14	20	53	e38	e32	234	939	438	55	27	13	7.9	5.5
15	18	47	e38	e32	264	704	389	51	26	12	8.6	5.9
16	18	42	e47	e32	255	607	1160	50	77	12	8.8	5.7
17	20	39	215	e38	309	633	1270	47	235	11	9.3	5.3
18	88	37	351	e50	253	532	895	47	95	11	8.2	5.2
19	125	35	233	e77	222	446	647	51	57	11	7.4	5.2
20	53	33	e165	252	227	389	508	51	44	11	8.7	5.1
21	35	31	e140	312	204	563	424	65	41	11	7.8	6.0
22	28	e26	e110	e200	162	1570	366	121	77	9.9	6.6	5.8
23	23	e24	e88	e140	163	964	321	252	138	9.3	6.7	5.5
24	21	e23	e72	e120	163	668	282	142	130	8.6	7.8	8.4
25	19	e27	e62	e110	153	512	223	88	77	8.1	8.0	16
26	19	78	e57	e98	174	404	188	142	56	8.4	8.1	22
27	19	177	e53	e90	155	327	169	127	45	8.5	8.1	21
28	18	114	e50	e81	139	280	156	97	40	7.8	7.7	22
29	17	85	e47	e72	---	252	138	83	35	7.6	7.0	22
30	16	80	e45	e85	---	766	124	68	30	8.2	7.1	21
31	15	---	e44	520	---	693	---	58	---	8.5	7.0	---
TOTAL	842	1566	2444	2808	7501	14372	12941	2744	1858	524.9	274.8	252.4
MEAN	27.2	52.2	78.8	90.6	268	464	431	88.5	61.9	16.9	8.86	8.41
MAX	125	177	351	520	566	1570	1270	252	235	38	16	22
MIN	15	14	38	32	139	128	124	47	26	7.6	6.6	3.9

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)**

MEAN	109	189	263	256	384	573	475	312	185	82.6	61.3	63.5
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	63.5	93.0	103	55.0	25.0	8.40	3.25	5.08
(WY)	1964	1999	1999	1981	1963	1990	1971	1941	1991	1966	1966	1964

e Estimated.

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01564500 AUGHWICK CREEK NEAR THREE SPRINGS, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	68074		48128.1			
ANNUAL MEAN	186		132		246	
HIGHEST ANNUAL MEAN					486	1972
LOWEST ANNUAL MEAN					105	1992
HIGHEST DAILY MEAN	2980	Mar 22	1570	Mar 22	18700	Jun 23 1972
LOWEST DAILY MEAN	14	Nov 3-8	3.9	Sep 8	.80	Sep 3 1966
ANNUAL SEVEN-DAY MINIMUM	14	Nov 2	4.4	Sep 7	1.2	Aug 29 1966
MAXIMUM PEAK FLOW			1810	Mar 22	<sup>a</sup> 32600	Jan 19 1996
MAXIMUM PEAK STAGE			7.08	Mar 22	20.85	Jan 19 1996
INSTANTANEOUS LOW FLOW			3.8	Sep 8	.80	Sep 2 1966 <sup>b</sup>
10 PERCENT EXCEEDS	473		379		578	
50 PERCENT EXCEEDS	64		45		98	
90 PERCENT EXCEEDS	19		7.9		14	

**a** From rating curve extended above 7,100 ft<sup>3</sup>/s on basis of contracted-opening measurement at gage height 18.04 ft.  
**b** Also Sept. 3, 4, 11-13, 1966.

