

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 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 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. 24	0200	2,290	8.06	June 7	0115	2,840	8.88
Mar. 29	0815	*5,740	*12.17				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	86	1060	211	e130	e210	853	161	57	26	17	25
2	341	80	972	187	e130	e190	1240	139	52	28	15	24
3	282	77	761	171	e125	e160	1450	127	53	23	14	16
4	233	79	598	190	e120	e145	973	120	59	21	13	13
5	199	106	482	536	e120	e155	730	111	62	20	13	10
6	172	105	390	1750	e115	e180	595	106	626	26	13	9.4
7	155	87	375	1240	e125	e250	497	104	1280	37	13	8.1
8	140	80	413	1490	e150	e450	437	103	336	145	13	7.1
9	129	74	322	1460	e205	e350	361	98	204	117	15	6.4
10	123	69	966	994	419	e325	308	92	163	55	22	6.3
11	113	67	1480	814	298	306	274	89	153	36	21	5.8
12	106	94	980	1350	241	285	243	86	132	29	16	5.7
13	103	222	733	1110	218	248	222	79	105	25	14	5.6
14	108	177	562	1360	221	213	203	78	236	22	21	5.3
15	119	146	430	1170	443	187	184	89	114	23	26	5.3
16	134	136	347	e875	445	173	167	87	84	36	23	5.4
17	118	130	e300	e700	397	166	156	75	71	71	21	5.6
18	99	126	e255	e475	329	160	151	70	62	87	22	5.7
19	117	122	e215	e450	e230	150	145	66	54	143	20	5.9
20	145	131	e185	e445	e220	144	138	93	48	86	17	6.1
21	141	160	e190	e350	e245	142	133	154	44	67	15	6.1
22	143	141	e200	e250	281	130	128	102	42	95	13	5.9
23	125	135	335	e300	252	644	225	85	42	57	11	5.7
24	114	275	606	e285	228	1670	321	84	38	40	9.8	5.7
25	113	1240	e350	e250	e220	948	211	91	34	40	8.9	5.8
26	108	845	e300	e200	e200	714	180	87	31	44	8.0	5.5
27	100	608	e270	e180	e190	605	161	74	28	36	8.0	7.9
28	93	1240	e210	e145	e195	1610	148	68	26	28	11	7.6
29	88	1100	e230	e135	---	4430	143	72	25	23	12	7.9
30	90	786	e225	e135	---	1850	145	69	25	20	13	7.7
31	91	---	212	e135	---	1160	---	62	---	18	18	---
TOTAL	4592	8724	14954	19343	6492	18350	11122	2921	4286	1524	476.7	247.5
MEAN	148	291	482	624	232	592	371	94.2	143	49.2	15.4	8.25
MAX	450	1240	1480	1750	445	4430	1450	161	1280	145	26	25
MIN	88	67	185	135	115	130	128	62	25	18	8.0	5.3
CFSM	0.72	1.42	2.35	3.04	1.13	2.89	1.81	0.46	0.70	0.24	0.08	0.04
IN.	0.83	1.58	2.71	3.51	1.18	3.33	2.02	0.53	0.78	0.28	0.09	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

MEAN	111	194	270	263	373	573	474	313	189	82.3	62.6	81.3
MAX	656	946	890	1062	1399	1612	1296	798	1985	848	355	984
(WY)	1977	1951	1973	1996	1984	1994	1993	1960	1972	1989	1967	2004
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL TOTAL	140825		93032.2			
ANNUAL MEAN	385		255		248	
HIGHEST ANNUAL MEAN					486	1972
LOWEST ANNUAL MEAN					93.9	2002
HIGHEST DAILY MEAN	12400	Sep 18	4430	Mar 29	18700	Jun 23 1972
LOWEST DAILY MEAN	26	Sep 6,7	5.3	Sep 14,15	0.80	Sep 3 1966
ANNUAL SEVEN-DAY MINIMUM	29	Sep 1	5.5	Sep 12	1.2	Aug 29 1966
MAXIMUM PEAK FLOW			5740	Mar 29	<b>e</b> 32600	Jan 19 1996 <b>a</b>
MAXIMUM PEAK STAGE			12.17	Mar 29	<b>b</b> 21.82	Sep 18 2004
INSTANTANEOUS LOW FLOW			4.9	Sep 14,26	0.80	Sep 2 1966 <b>c</b>
ANNUAL RUNOFF (CFSM)	1.88		1.24		1.21	
ANNUAL RUNOFF (INCHES)	25.55		16.88		16.46	
10 PERCENT EXCEEDS	943		706		593	
50 PERCENT EXCEEDS	211		130		101	
90 PERCENT EXCEEDS	67		13		14	

- a** Gage height unknown.  
**b** From highwater mark in gage.  
**c** Also Sept. 3, 4, 11-13, 1966.  
**e** Estimated.

