

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 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 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)
Mar. 22	0700	*3,790	*9.34	Apr. 22	2030	3,120	8.64

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	23	100	69	e40	481	219	276	350	71	125	27
2	60	28	80	75	e39	425	202	270	273	60	92	33
3	37	125	78	66	e39	340	204	242	212	55	73	45
4	36	110	69	66	e38	291	918	208	173	65	60	32
5	79	65	63	66	e38	256	740	195	159	67	52	28
6	79	49	63	56	e38	220	546	181	536	53	49	23
7	49	43	63	48	e38	188	440	162	400	43	98	19
8	36	38	54	45	e37	173	392	148	259	38	92	17
9	29	34	48	50	e37	160	471	137	203	35	61	16
10	75	32	52	60	e37	151	374	123	163	35	49	15
11	203	32	89	122	e38	170	324	107	134	48	42	16
12	104	30	80	e100	e45	1090	321	96	150	42	35	18
13	67	27	71	e90	e110	709	280	90	148	34	31	21
14	78	26	264	e68	e140	492	254	85	232	31	28	29
15	78	25	752	e66	e550	387	241	76	188	68	26	25
16	54	24	392	e57	482	326	230	68	219	77	24	19
17	45	22	263	e57	367	414	274	64	432	53	21	16
18	38	22	196	e55	298	327	509	62	302	45	21	16
19	33	21	158	e57	443	278	954	118	230	37	20	16
20	34	21	144	e56	464	261	705	257	175	38	21	18
21	36	21	196	e55	393	674	743	220	156	44	20	19
22	38	22	160	e55	439	2980	2010	221	227	36	18	18
23	34	22	135	e54	507	1480	2260	564	154	32	17	16
24	32	22	114	e54	512	933	1270	1290	115	29	17	16
25	29	29	103	e52	464	683	844	736	94	33	17	18
26	27	163	e100	e50	388	555	632	444	83	38	21	65
27	25	626	e94	e48	339	448	528	322	82	33	23	103
28	25	285	e90	47	705	428	479	373	211	52	47	57
29	24	170	e83	42	574	366	391	977	122	237	42	38
30	23	125	80	41	---	298	332	622	88	131	32	30
31	23	---	82	e40	---	252	---	456	---	143	27	---
TOTAL	1667	2282	4316	1867	7639	16236	18087	9190	6270	1803	1301	829
MEAN	53.8	76.1	139	60.2	263	524	603	296	209	58.2	42.0	27.6
MAX	203	626	752	122	705	2980	2260	1290	536	237	125	103
MIN	23	21	48	40	37	151	202	62	82	29	17	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

MEAN	110	191	266	259	386	575	476	316	187	83.7	62.1	64.4
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1938 - 2000	
ANNUAL TOTAL	62454.1		71487			
ANNUAL MEAN	171		195		247	
HIGHEST ANNUAL MEAN					486	1972
LOWEST ANNUAL MEAN					105	1992
HIGHEST DAILY MEAN	2400	Apr 10	2980	Mar 22	18700	Jun 23 1972
LOWEST DAILY MEAN	7.6	Sep 4	15	Sep 10	.80	Sep 3 1966
ANNUAL SEVEN-DAY MINIMUM	8.1	Aug 7	17	Sep 17	1.2	Aug 29 1966
INSTANTANEOUS PEAK FLOW			3790	Mar 22	^a 32600	Jan 19 1996
INSTANTANEOUS PEAK STAGE			9.34	Mar 22	20.85	Jan 19 1996
INSTANTANEOUS LOW FLOW			14	Sep 25	.80	Sep 2 1966 ^b
10 PERCENT EXCEEDS	454		481		585	
50 PERCENT EXCEEDS	48		78		100	
90 PERCENT EXCEEDS	11		23		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.

