

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)
Jan. 24	--	Unknown	*a10.81	Mar. 18	2330	2,140	7.46
Mar. 4	0745	2,780	8.25	Apr. 10	0415	*3,160	8.69

a Ice jam.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	10	12	e9.8	88	e60	159	220	44	19	9.0	9.2
2	8.8	10	12	e9.4	133	e66	183	194	47	21	9.4	8.4
3	8.7	10	12	e9.4	158	e90	153	175	71	28	10	7.9
4	12	11	14	e12	122	1720	170	164	68	24	9.6	7.6
5	16	11	12	e22	106	782	1170	151	48	20	9.0	7.9
6	17	11	12	e16	93	511	667	139	40	16	8.7	12
7	15	11	12	e14	89	408	490	143	36	14	8.2	28
8	21	13	15	e13	100	282	378	1300	33	13	8.3	43
9	33	11	18	e15	114	259	775	745	29	12	8.3	33
10	32	12	16	e17	104	223	2400	462	26	12	8.2	20
11	23	13	17	e18	96	190	1480	344	25	12	8.1	15
12	18	12	16	e21	90	180	1530	290	25	12	7.9	12
13	15	12	15	e23	95	189	1080	346	25	12	7.8	11
14	12	13	13	e26	83	223	748	278	26	11	12	11
15	11	13	13	e29	71	238	580	223	26	11	9.4	10
16	11	12	13	e35	74	259	591	186	24	11	11	33
17	11	12	12	e34	73	462	439	165	40	10	9.8	64
18	10	12	12	e38	75	1610	361	150	74	11	9.2	44
19	10	12	12	e80	71	1520	308	139	54	11	8.8	25
20	9.6	12	12	e140	62	852	334	128	35	10	12	18
21	9.5	12	12	e130	e50	796	331	116	28	11	13	17
22	9.3	12	13	e120	e43	1610	1070	107	25	12	15	15
23	9.5	12	13	e140	e37	975	1220	128	24	12	12	14
24	9.5	15	12	e2300	e40	681	1060	135	22	12	10	13
25	9.4	16	12	1060	e46	512	703	110	20	13	9.7	12
26	9.9	13	e10	462	e40	392	557	92	19	16	12	12
27	10	15	e9.6	304	e36	315	448	78	18	12	20	11
28	10	13	e9.6	273	e40	268	359	68	17	11	24	16
29	10	14	e9.6	276	---	228	302	61	19	10	15	31
30	9.8	13	e9.6	165	---	191	260	53	20	9.9	14	206
31	9.7	---	e9.8	116	---	164	---	47	---	9.2	11	---
TOTAL	410.3	368	390.2	5927.6	2229	16256	20306	6937	1008	418.1	340.4	767.0
MEAN	13.2	12.3	12.6	191	79.6	524	677	224	33.6	13.5	11.0	25.6
MAX	33	16	18	2300	158	1720	2400	1300	74	28	24	206
MIN	8.7	10	9.6	9.4	36	60	153	47	17	9.2	7.8	7.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1999, BY WATER YEAR (WY)

MEAN	111	193	268	262	388	576	474	316	187	84.1	62.4	65.0
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

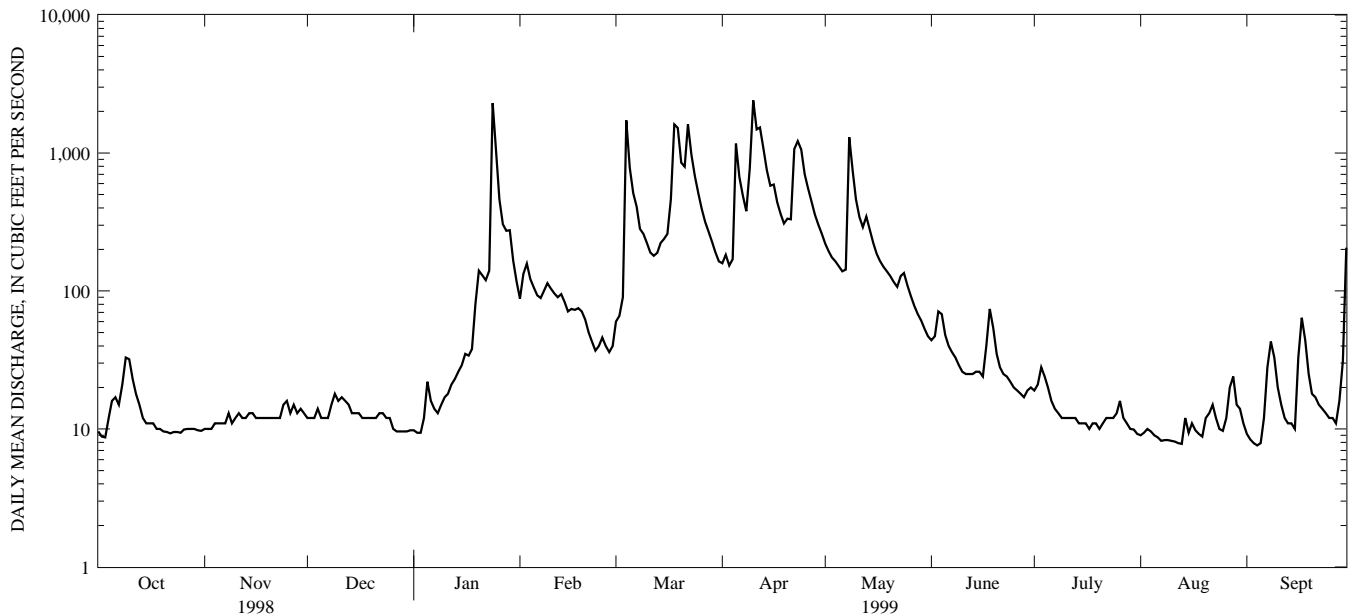
e Estimated.

JUNIATA RIVER BASIN

01564500 AUGHWICK CREEK NEAR THREE SPRINGS, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1938 - 1999	
ANNUAL TOTAL	115003.8		55357.6		248	
ANNUAL MEAN	315		152		486	
HIGHEST ANNUAL MEAN					1972	
LOWEST ANNUAL MEAN					1992	
HIGHEST DAILY MEAN	3490	Apr 20	2400	Apr 10	18700	Jun 23 1972
LOWEST DAILY MEAN	7.0	Sep 17	7.6	Sep 4	.80	Sep 3 1966
ANNUAL SEVEN-DAY MINIMUM	7.3	Sep 14	8.1	Aug 7	1.2	Aug 29 1966
INSTANTANEOUS PEAK FLOW			3160	Apr 10	b32600	Jan 19 1996
INSTANTANEOUS PEAK STAGE			c8.69	Apr 10	20.85	Jan 19 1996
INSTANTANEOUS LOW FLOW			7.4	Sep 4,5	.80	Sep 2 1966d
10 PERCENT EXCEEDS	1030		420		588	
50 PERCENT EXCEEDS	45		20		100	
90 PERCENT EXCEEDS	9.8		9.7		14	

- b From rating curve extended above 7,100 ft³/s on basis of contracted-opening measurement at gage height 18.04 ft.
- c Maximum gage height, 10.81 ft, Jan. 24 (backwater from ice).
- d Also Sept. 3, 4, 11-13, 1966.



1-YEAR HYDROGRAPH
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999