



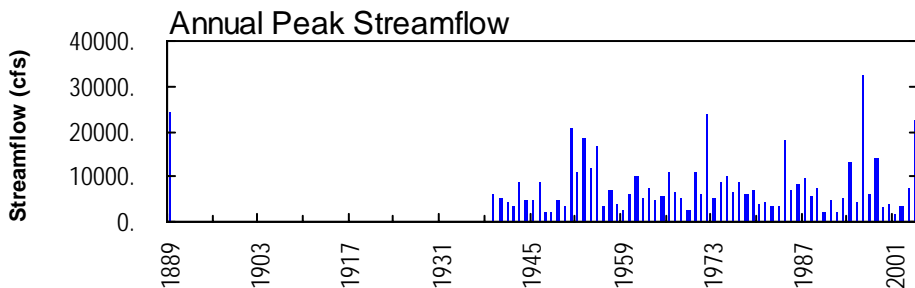
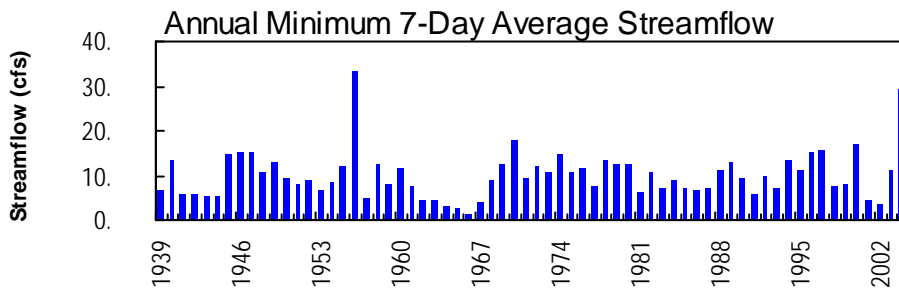
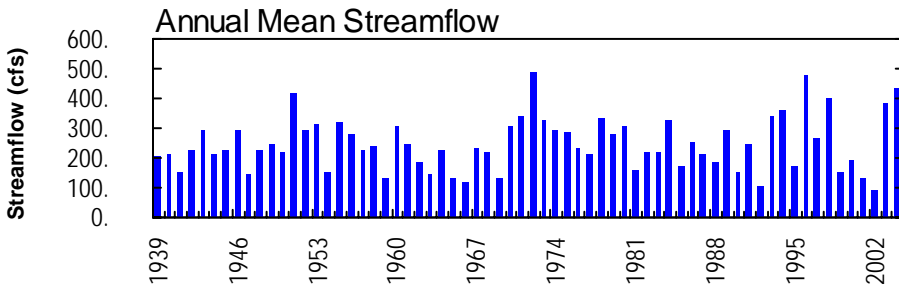
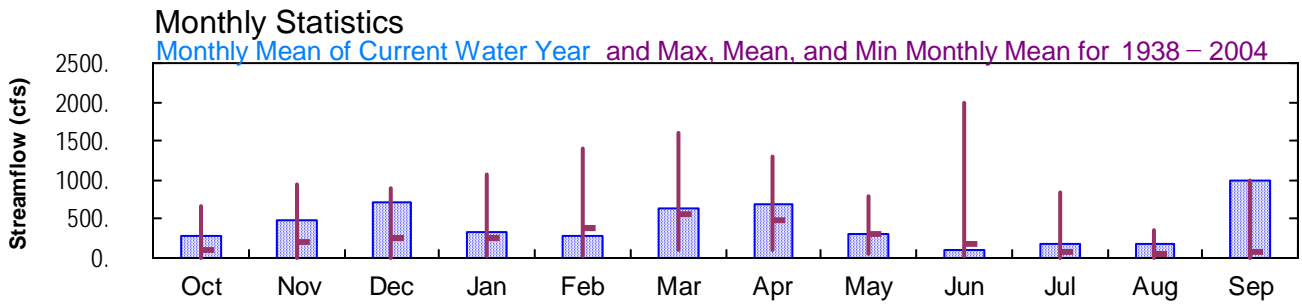
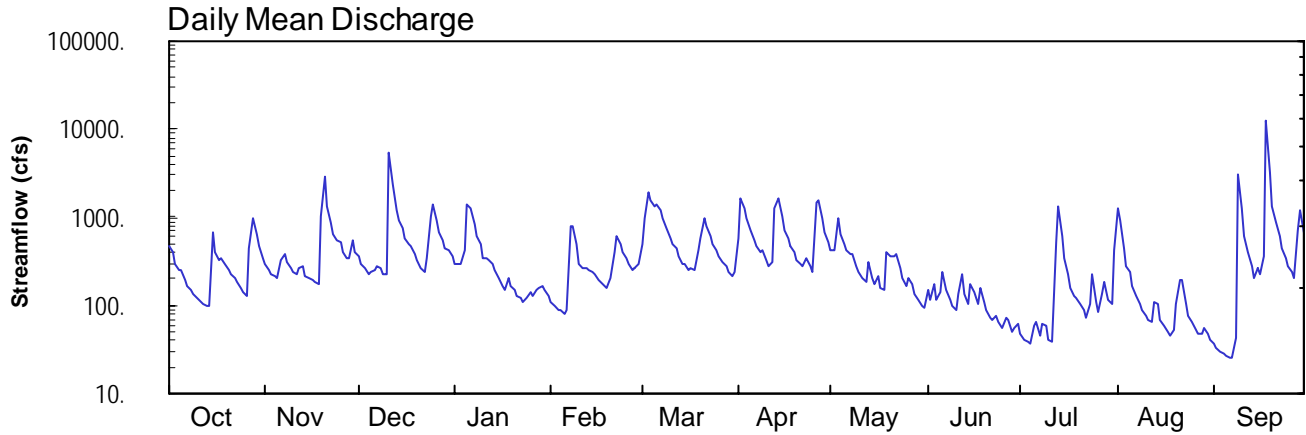
2004 Water Year JUNIATA RIVER BASIN

01564500 Aughwick Creek near Three Springs, PA

Latitude: 40° 12' 45"
Huntingdon County

Longitude: 077° 55' 32"
Datum: 618.65 feet

Hydrologic Unit Code: 02050304
Drainage Area: 205. mi²



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 discharges above 7,100 ft³/s and 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)
Nov. 20	0215	4,310	10.66	Apr. 26	2015	2,660	8.62
Dec. 11	1630	7,910	14.05	Sept. 9	1245	5,220	11.65
Mar. 3	0200	2,540	8.44	Sept. 18	Unknown	*22,500	*a21.82

a From highwater mark in gage.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	481	291	357	302	e110	e500	567	431	147	47	1270	36
2	401	256	302	293	e100	e1000	1610	435	117	41	938	32
3	291	230	261	298	e90	1960	1260	980	176	39	436	30
4	255	210	232	433	e90	1540	956	626	118	36	272	28
5	250	207	238	1430	e80	1300	700	496	144	59	236	27
6	197	334	255	1280	e90	1430	547	413	233	66	169	26
7	166	376	276	815	e780	1190	464	372	152	44	130	26
8	147	315	269	616	e800	985	409	387	117	61	107	44
9	132	266	221	502	e500	742	415	281	97	57	90	3100
10	120	236	223	e350	e300	590	325	237	88	41	78	1260
11	111	228	5370	e340	e270	489	279	207	138	38	69	624
12	103	270	2400	e330	e260	436	314	186	227	534	64	393
13	97	281	1230	e300	e250	356	1270	317	136	1320	107	274
14	101	221	914	e250	e240	299	1630	208	102	606	105	203
15	663	202	742	e200	e230	288	1050	178	177	340	69	266
16	406	191	574	e170	e190	257	731	218	139	221	58	230
17	321	184	499	e150	e180	259	575	157	105	160	50	363
18	347	172	464	e200	e170	246	469	153	157	128	46	12400
19	290	1020	374	e170	e160	424	394	399	112	119	53	3190
20	253	2900	319	e150	e200	566	334	368	87	101	103	1340
21	225	1300	268	e130	e400	980	294	354	74	87	190	874
22	205	865	243	e120	e600	809	283	377	68	72	196	623
23	182	649	352	e110	e500	614	339	269	78	103	105	455
24	160	536	1050	e120	e400	499	276	205	66	225	77	347
25	142	513	1420	e140	e350	421	237	167	55	108	64	279
26	131	401	904	e130	e300	356	1460	209	74	85	54	237
27	451	346	674	e150	e250	313	1600	171	67	133	47	201
28	979	349	537	e160	e260	276	955	138	51	182	47	719
29	631	543	452	e170	e300	236	672	117	57	118	56	1230
30	462	411	429	e150	---	215	524	98	61	105	49	667
31	343	---	363	e130	---	241	---	92	---	418	41	---
TOTAL	9043	14303	22212	10089	8450	19817	20939	9246	3420	5694	5376	29524
MEAN	292	477	717	325	291	639	698	298	114	184	173	984
MAX	979	2900	5370	1430	800	1960	1630	980	233	1320	1270	12400
MIN	97	172	221	110	80	215	237	92	51	36	41	26
CFSM	1.42	2.33	3.50	1.59	1.42	3.12	3.40	1.45	0.56	0.90	0.85	4.80
IN.	1.64	2.60	4.03	1.83	1.53	3.60	3.80	1.68	0.62	1.03	0.98	5.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	110	192	267	257	375	573	475	317	190	82.8	63.3	82.4
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.

JUNIATA RIVER BASIN

01564500 AUGHWICK CREEK NEAR THREE SPRINGS, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL TOTAL	164650		158113			
ANNUAL MEAN	451		432		248	
HIGHEST ANNUAL MEAN					486	
LOWEST ANNUAL MEAN					93.9	
HIGHEST DAILY MEAN	5370	Dec 11	12400	Sep 18	18700	Jun 23 1972
LOWEST DAILY MEAN	25	Jul 31	26	Sep 6,7	0.80	Sep 3 1966
ANNUAL SEVEN-DAY MINIMUM	33	Jul 25	29	Sep 1	1.2	Aug 29 1966
MAXIMUM PEAK FLOW			b 22500	Sep 18	e 32600	Jan 19 1996 c
MAXIMUM PEAK STAGE			a 21.82	Sep 18	a 21.82	Sep 18 2004
INSTANTANEOUS LOW FLOW			25	Sep 6	0.80	Sep 2 1966 d
ANNUAL RUNOFF (CFSM)	2.20		2.11		1.21	
ANNUAL RUNOFF (INCHES)	29.88		28.69		16.46	
10 PERCENT EXCEEDS	1010		955		591	
50 PERCENT EXCEEDS	263		256		100	
90 PERCENT EXCEEDS	62		67		14	

- a** From highwater mark in gage.
- b** From rating curve extended above 7,100 ft³/s.
- c** Gage height unknown.
- d** Also Sept. 3, 4, 11-13, 1966.
- e** Estimated.