



2005 Water Year  
JUNIATA RIVER BASIN  
01557500 Bald Eagle Creek at Tyrone, PA

Latitude: 40° 41' 01"

Longitude: 078° 14' 02"

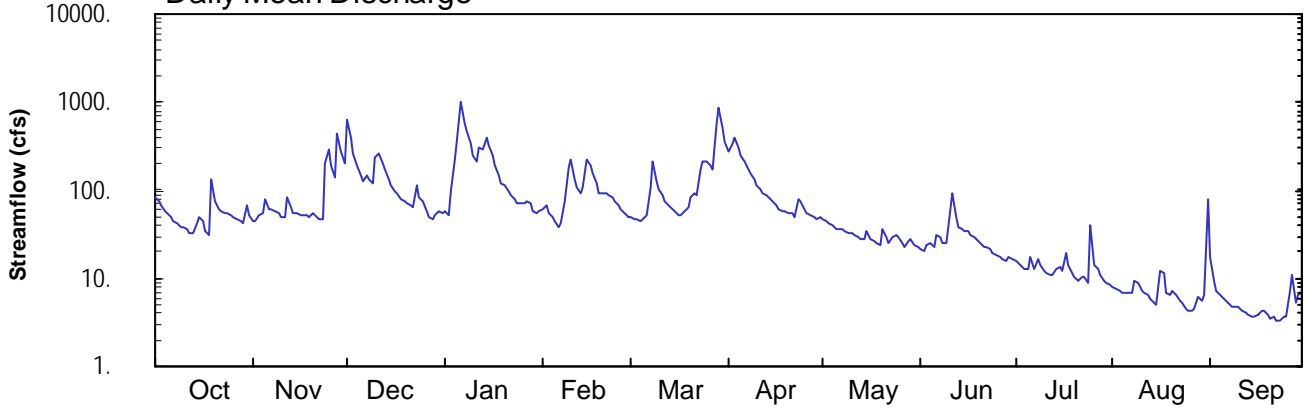
Hydrologic Unit Code: 02050302

Blair County

Datum: 921.80 feet

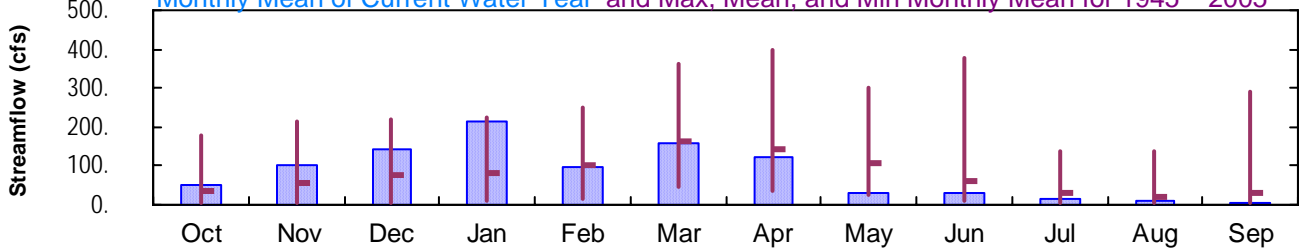
Drainage Area: 44.1 mi<sup>2</sup>

### Daily Mean Discharge

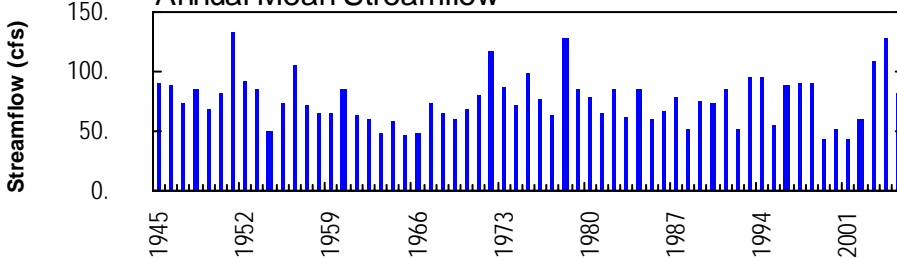


### Monthly Statistics

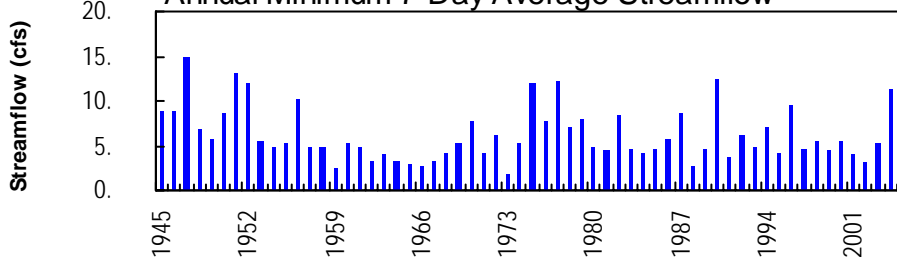
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1945 – 2005



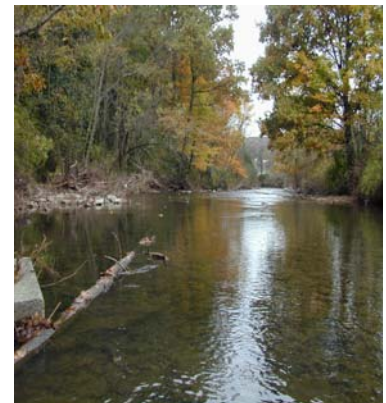
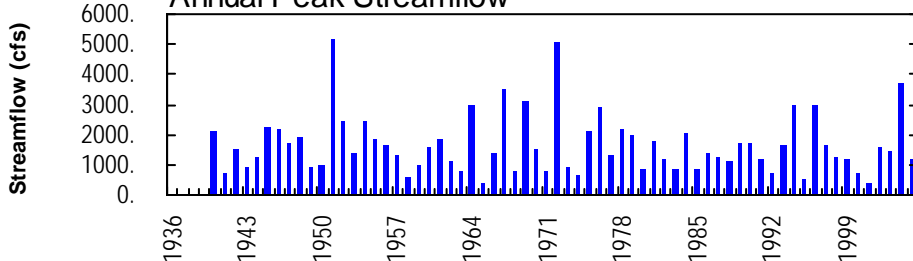
### Annual Mean Streamflow



### Annual Minimum 7-Day Average Streamflow



### Annual Peak Streamflow



## JUNIATA RIVER BASIN

## 01557500 BALD EAGLE CREEK AT TYRONE, PA

**LOCATION.**--Lat 40°41'01", long 78°14'02", Blair County, Hydrologic Unit 02050302, on left bank 0.2 mi upstream from highway bridge on SR 220 at Tyrone, 0.2 mi upstream from Laurel Run, and 1.3 mi upstream from mouth.

**DRAINAGE AREA.**--44.1 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1944 to current year. Prior to October 1967, published as South Bald Eagle Creek at Tyrone.

**REVISED RECORDS.**--WSP 1903: 1954(M). WDR PA-75-2: 1974.

**GAGE.**--Water-stage recorder. Datum of gage is 921.80 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1944, to Nov. 15, 1950, water-stage recorder, and Nov. 16, 1950, to Nov. 30, 1952, nonrecording gage at site 0.5 mi downstream at datum 17.99 ft lower.

**REMARKS.**--Records good Oct. 1 to May 31, fair June 1 to Sept. 30, except those for estimated daily discharges, which are poor. Prior to Nov. 30, 1952, daily discharges were affected by West Virginia Pulp and Paper Company diversion. Several measurements of water temperature were made during the year. Satellite telemetry at station.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Maximum stage known, about 15 ft, Mar. 17 or 18, 1936, site and datum in use prior to Dec. 1, 1952.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 940 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)
Dec. 1	0915	983	3.02	Mar. 29	0030	1,190	3.34
Jan. 6	1145	*1,190	*3.34				

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	82	45	637	59	e61	e50	275	48	21	16	8.2	18
2	75	44	389	53	e66	e48	333	45	20	15	7.7	9.4
3	69	53	262	99	e56	e46	403	43	24	14	7.4	7.2
4	58	56	190	223	e50	e44	313	40	26	13	6.9	6.4
5	54	77	148	360	e44	e47	254	37	23	13	6.8	5.8
6	49	62	124	1020	38	52	217	36	31	17	6.8	5.4
7	44	62	148	573	42	111	189	36	29	13	6.8	5.1
8	42	58	131	465	76	211	157	35	26	17	9.2	4.9
9	39	54	118	331	178	127	131	33	26	14	8.7	4.7
10	38	51	241	245	228	101	114	32	39	12	7.3	4.7
11	36	49	257	218	132	87	103	31	94	11	6.8	4.4
12	33	84	203	304	108	77	92	30	49	11	6.6	4.0
13	33	65	171	291	92	67	88	28	39	11	6.0	3.9
14	43	56	135	392	108	61	81	28	37	13	5.2	3.8
15	51	55	111	325	223	57	74	34	35	14	4.9	3.7
16	44	54	100	253	191	53	66	28	34	12	12	3.9
17	35	52	93	194	154	53	62	26	31	20	12	4.3
18	32	52	79	145	122	58	59	25	29	14	6.9	4.2
19	132	49	e74	121	e92	64	57	24	27	11	6.6	3.9
20	73	54	e70	112	93	83	55	37	25	10	7.1	3.6
21	62	52	e68	98	93	91	54	29	23	9.5	6.6	3.6
22	57	48	66	e88	87	89	50	26	23	10	5.6	3.4
23	54	47	113	e80	82	169	80	29	21	10	5.2	3.3
24	54	201	83	e72	74	213	74	32	20	9.0	4.6	3.6
25	52	290	e77	e70	68	208	61	30	19	40	4.3	3.7
26	49	187	e58	e73	60	188	55	25	18	14	4.3	7.3
27	46	143	e50	76	e54	171	52	23	17	13	4.6	11
28	44	435	e46	e73	e50	575	49	27	16	11	6.3	5.4
29	43	271	e51	e58	---	866	48	28	18	9.6	5.4	6.5
30	66	201	58	e54	---	512	50	24	17	8.9	6.7	6.7
31	51	---	56	e57	---	365	---	23	---	8.5	81	---
TOTAL	1640	3007	4407	6582	2722	4944	3696	972	857	414.5	284.5	165.8
MEAN	52.9	100	142	212	97.2	159	123	31.4	28.6	13.4	9.18	5.53
MAX	132	435	637	1020	228	866	403	48	94	40	81	18
MIN	32	44	46	53	38	44	48	23	16	8.5	4.3	3.3
CFSM	1.20	2.27	3.22	4.81	2.20	3.62	2.79	0.71	0.65	0.30	0.21	0.13
IN.	1.38	2.54	3.72	5.55	2.30	4.17	3.12	0.82	0.72	0.35	0.24	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2005, BY WATER YEAR (WY)

MEAN	33.9	57.6	77.1	82.1	102	165	145	107	63.1	31.5	22.8	30.9
MAX	178	216	217	226	251	364	399	304	377	138	140	289
(WY)	1991	1951	1973	1952	1981	1945	1993	1978	1972	1956	2003	2004
MIN	4.10	5.95	6.43	10.9	15.9	48.1	34.0	23.8	11.9	5.41	4.15	3.59
(WY)	1964	1954	1966	1981	1963	1990	1946	1976	1999	1965	1966	1965

e Estimated.

## JUNIATA RIVER BASIN

## 01557500 BALD EAGLE CREEK AT TYRONE, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1945 - 2005	
ANNUAL TOTAL	44313.6		29691.8			
ANNUAL MEAN	121		81.3		76.3	
HIGHEST ANNUAL MEAN					133	1951
LOWEST ANNUAL MEAN					42.8	1999
HIGHEST DAILY MEAN	2040	Sep 18	1020	Jan 6	2800	Jun 23 1972
LOWEST DAILY MEAN	9.6	Jul 3	3.3	Sep 23	1.4	Sep 13 1973
ANNUAL SEVEN-DAY MINIMUM	11	Jun 27	3.6	Sep 19	1.7	Sep 7 1973
MAXIMUM PEAK FLOW			1190	Jan 6, Mar 29	<b>a</b> 5140	Nov 25 1950
MAXIMUM PEAK STAGE			3.34	Jan 6	<b>b</b> 7.50	Nov 25 1950
INSTANTANEOUS LOW FLOW			3.0	Sep 22	1.4	Sep 12 1973
ANNUAL RUNOFF (CFSM)	2.75		1.84		1.73	
ANNUAL RUNOFF (INCHES)	37.38		25.05		23.52	
10 PERCENT EXCEEDS	255		205		175	
50 PERCENT EXCEEDS	70		49		42	
90 PERCENT EXCEEDS	29		6.6		7.5	

**a** From rating curve extended above 2,100 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow.

**b** From floodmark, site and datum then in use.

