

**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 sea level. 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 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.

**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)
Apr. 17	2045	*713	*3.57	(No peaks above base discharge.)			

**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	8.5	5.9	44	28	e38	200	49	72	49	23	e13	7.7
2	5.9	24	39	26	e37	170	46	69	45	22	e14	7.4
3	5.1	34	36	27	e37	132	49	60	44	24	e16	7.1
4	10	14	34	37	e37	113	112	54	38	23	e17	6.8
5	7.0	11	31	32	e36	98	74	50	41	20	e15	6.3
6	5.4	9.9	33	27	e35	83	69	47	70	18	e17	6.0
7	4.8	9.3	29	24	e35	72	66	43	44	17	e22	5.8
8	4.6	8.8	26	23	e35	66	79	41	36	16	e17	5.7
9	4.7	8.6	24	22	36	61	84	39	32	15	13	5.7
10	23	8.5	25	32	54	56	72	38	28	e14	11	5.7
11	13	8.3	24	40	70	74	69	35	26	e14	9.3	6.4
12	7.6	7.8	22	32	69	92	76	33	27	e13	9.7	6.3
13	6.9	7.7	24	31	54	68	66	31	32	e13	8.9	6.6
14	18	7.4	134	45	314	65	62	28	53	e13	8.3	5.7
15	10	7.4	127	44	300	62	60	26	141	e15	7.8	6.0
16	7.7	7.4	82	36	160	64	58	25	133	e17	7.7	6.3
17	7.0	7.0	65	35	82	106	209	23	87	e15	7.0	5.8
18	6.5	6.9	56	44	72	72	437	23	75	e13	7.4	5.5
19	6.1	6.8	49	e44	77	69	294	42	66	e13	7.6	5.6
20	6.3	7.3	57	e43	63	67	211	36	53	e13	6.9	5.7
21	6.1	7.5	60	e43	61	176	357	29	52	e13	6.6	5.4
22	6.1	7.0	49	e42	69	192	425	31	55	e12	6.5	5.2
23	6.5	7.3	44	e42	99	152	431	49	43	e12	7.5	5.4
24	6.3	7.1	e43	e42	144	126	322	206	38	e12	13	14
25	6.0	15	e42	e42	224	112	234	122	35	e11	8.8	8.0
26	5.9	267	e40	e41	209	98	178	95	37	e11	7.0	13
27	5.9	169	e37	e40	218	85	141	82	35	e11	6.6	11
28	5.8	86	e36	e40	317	78	116	80	30	e14	16	7.4
29	5.7	63	e35	e39	232	69	98	83	28	e17	10	6.7
30	5.6	52	e35	e39	---	60	82	61	25	e15	8.4	6.4
31	5.7	---	33	e38	---	53	---	53	---	e14	7.7	---
TOTAL	233.7	888.9	1415	1120	3214	2991	4626	1706	1498	473	333.7	206.6
MEAN	7.54	29.6	45.6	36.1	111	96.5	154	55.0	49.9	15.3	10.8	6.89
MAX	23	267	134	45	317	200	437	206	141	24	22	14
MIN	4.6	5.9	22	22	35	53	46	23	25	11	6.5	5.2
CFSM	.17	.67	1.04	.82	2.51	2.19	3.50	1.25	1.13	.35	.24	.16
IN.	.20	.75	1.19	.94	2.71	2.52	3.90	1.44	1.26	.40	.28	.17

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2000, BY WATER YEAR (WY)**

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
MEAN	33.7	178	4.10	1991	56.8	216	5.95	1951	76.4	217	6.43	1973
MAX	1991	1951	1973	1952	1981	1945	1993	1978	1972	1956	1956	1996
MIN	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1945 - 2000	
ANNUAL TOTAL	17362.6		18705.9			
ANNUAL MEAN	47.6		51.1		75.6	
HIGHEST ANNUAL MEAN					133	1951
LOWEST ANNUAL MEAN					42.8	1999
HIGHEST DAILY MEAN	574	Mar 4	437	Apr 18	2800	Jun 23 1972
LOWEST DAILY MEAN	4.0	Sep 13	4.6	Oct 8	1.4	Sep 13 1973
ANNUAL SEVEN-DAY MINIMUM	4.4	Aug 30	5.5	Sep 17	1.7	Sep 7 1973
INSTANTANEOUS PEAK FLOW			713	Apr 17	a5140	Nov 25 1950
INSTANTANEOUS PEAK STAGE			3.57	Apr 17	b7.50	Nov 25 1950
INSTANTANEOUS LOW FLOW			4.5	Oct 8	1.4	Sep 12 1973
ANNUAL RUNOFF (CFSM)	1.08		1.16		1.71	
ANNUAL RUNOFF (INCHES)	14.65		15.78		23.30	
10 PERCENT EXCEEDS	133		114		172	
50 PERCENT EXCEEDS	15		33		41	
90 PERCENT EXCEEDS	5.1		6.4		7.6	

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.

