

**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)
Mar. 21	2200	*416	*2.98	(No peaks above base discharge.)			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	11	42	e21	195	51	94	50	28	15	6.5	7.4
2	6.0	11	36	e21	126	51	94	47	77	15	5.7	5.5
3	6.2	11	e34	e21	87	51	95	44	61	12	7.1	5.0
4	5.9	11	e31	e20	70	50	97	41	46	12	14	4.7
5	11	11	e29	e20	50	50	90	39	40	12	7.9	4.6
6	36	10	e27	e20	45	54	110	36	37	12	6.2	4.3
7	16	10	e26	e20	50	46	124	34	35	10	5.4	4.2
8	9.7	10	e25	e19	48	46	131	33	31	12	4.8	4.2
9	8.9	12	e25	e19	70	49	132	32	28	11	4.5	3.9
10	9.3	67	e24	e19	150	46	137	30	26	11	40	4.0
11	9.0	38	e24	e18	112	45	128	29	24	17	15	4.2
12	8.0	26	e25	e18	86	53	123	27	23	11	8.5	3.6
13	7.5	22	e25	e18	78	280	112	25	22	9.4	7.4	3.5
14	7.4	21	e25	e18	92	297	101	24	20	8.8	6.4	6.3
15	7.3	19	e24	e18	183	209	104	23	19	8.4	5.4	4.8
16	7.2	19	e24	e18	194	174	334	22	27	8.1	5.5	4.1
17	24	18	e55	e18	184	190	285	21	28	8.0	17	3.8
18	145	17	e80	e20	140	153	215	21	18	7.7	7.7	3.6
19	44	16	e45	e21	117	132	164	20	16	7.5	37	3.5
20	26	16	e38	e21	106	118	138	19	15	7.0	76	7.8
21	20	15	e34	18	92	198	137	20	16	6.9	17	8.2
22	17	16	e31	e18	85	313	113	23	20	6.6	11	5.1
23	15	17	e28	e19	85	224	99	51	37	6.6	9.4	4.3
24	14	e15	e26	e19	59	169	91	23	23	6.1	9.0	11
25	14	e15	e25	e18	63	133	82	21	17	7.2	7.6	24
26	14	e14	e25	e18	66	112	74	24	15	11	7.0	9.8
27	13	e15	e24	e18	57	94	69	37	13	7.2	7.4	7.3
28	14	43	e23	e18	55	82	63	31	12	6.2	6.7	6.9
29	13	41	e22	e33	---	75	57	24	12	6.0	7.1	6.2
30	12	52	e22	125	---	133	53	22	12	7.0	6.1	5.4
31	12	---	e21	234	---	97	---	20	---	7.2	5.8	---
TOTAL	558.5	619	945	926	2745	3775	3646	913	798	292.9	382.1	181.2
MEAN	18.0	20.6	30.5	29.9	98.0	122	122	29.5	26.6	9.45	12.3	6.04
MAX	145	67	80	234	195	313	334	51	77	17	76	24
MIN	5.9	10	21	18	45	45	53	19	12	6.0	4.5	3.5
CFSM	.41	.47	.69	.68	2.22	2.76	2.76	.67	.60	.21	.28	.14
IN.	.47	.52	.80	.78	2.32	3.18	3.08	.77	.67	.25	.32	.15

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2001, BY WATER YEAR (WY)**

MEAN	33.4	56.1	75.6	79.5	104	164	146	107	62.5	30.7	20.6	23.6
MAX	178	216	217	226	251	364	399	304	377	138	99.8	157
(WY)	1991	1951	1973	1952	1981	1945	1993	1978	1972	1956	1956	1996
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.

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01557500 BALD EAGLE CREEK AT TYRONE, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1945 - 2001	
ANNUAL TOTAL	18290.8		15781.7			
ANNUAL MEAN	50.0		43.2		75.1	
HIGHEST ANNUAL MEAN					133	1951
LOWEST ANNUAL MEAN					42.8	1999
HIGHEST DAILY MEAN	437	Apr 18	334	Apr 16	2800	Jun 23 1972
LOWEST DAILY MEAN	5.2	Sep 22	3.5	Sep 13,19	1.4	Sep 13 1973
ANNUAL SEVEN-DAY MINIMUM	5.5	Sep 17	3.9	Sep 7	1.7	Sep 7 1973
MAXIMUM PEAK FLOW			416	Mar 21	a5140	Nov 25 1950
MAXIMUM PEAK STAGE			2.98	Mar 21	b7.50	Nov 25 1950
INSTANTANEOUS LOW FLOW			3.2	Sep 13	1.4	Sep 12 1973
ANNUAL RUNOFF (CFSM)	1.13		.98		1.70	
ANNUAL RUNOFF (INCHES)	15.43		13.31		23.13	
10 PERCENT EXCEEDS	108		117		171	
50 PERCENT EXCEEDS	29		21		41	
90 PERCENT EXCEEDS	7.4		6.2		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.

