

TENNESSEE RIVER BASIN

03456100 WEST FORK PIGEON RIVER AT BETHEL, NC

LOCATION.--Lat 35°27'48", long 82°54'00", Haywood County, Hydrologic Unit 06010106, on left bank 20 ft downstream of bridge on Secondary Road 1112, 0.6 mi southwest of Bethel, 1.6 mi upstream from confluence with East Fork Pigeon River, and 5.6 mi downstream of Lake Logan.

DRAINAGE AREA.--58.4 mi².

PERIOD OF RECORD.--January 1981 to current year.

REVISED RECORDS.--WDR NC-95-1: 1994 (M).

GAGE.--Water-stage recorder. Datum of gage is 2,667.78 ft above sea level (levels by Tennessee Valley Authority). Satellite and telephone telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Considerable regulation, at times, caused by Lake Logan (station 03455773). Minimum discharge for current water year also occurred Oct. 4, 5, 6, 7.

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	30	59	57	e52	98	167	337	103	137	74	52	41
2	30	39	54	e50	95	155	281	97	115	56	48	46
3	29	36	53	e49	94	155	310	91	85	55	45	57
4	29	36	49	e49	92	245	313	88	81	53	70	80
5	28	36	48	e49	89	184	280	87	73	59	119	50
6	29	35	47	49	85	162	255	90	69	48	108	41
7	29	36	46	48	84	148	229	83	68	46	65	39
8	29	38	45	54	82	151	207	82	86	46	62	37
9	30	345	43	47	82	141	193	81	82	48	57	36
10	31	205	44	e44	105	127	181	90	70	52	56	100
11	31	71	47	e44	86	121	170	78	67	45	69	56
12	31	56	43	61	92	140	159	75	62	43	58	45
13	31	50	45	52	97	204	209	73	60	41	91	41
14	31	46	134	50	152	147	174	70	63	40	78	39
15	31	43	70	58	147	206	179	69	69	37	60	38
16	31	42	174	53	154	209	168	66	62	37	54	36
17	31	63	514	48	324	181	153	64	58	37	50	35
18	32	48	150	150	191	162	145	64	55	37	48	35
19	33	47	122	984	164	149	140	66	53	37	45	36
20	33	46	e88	442	146	167	134	82	52	49	42	96
21	33	40	e81	241	136	166	128	71	55	44	41	49
22	34	39	e79	191	167	170	123	72	55	38	39	40
23	35	42	77	162	155	187	120	79	65	36	38	37
24	37	43	76	144	135	199	117	68	51	35	39	210
25	38	273	69	126	365	204	121	142	50	72	39	94
26	39	139	66	116	258	194	109	98	63	84	58	64
27	39	86	66	112	203	172	103	75	64	46	42	54
28	39	73	65	104	183	160	100	76	76	44	38	49
29	39	66	60	102	---	370	98	90	57	148	37	46
30	40	61	e57	177	---	451	98	72	77	108	36	44
31	56	---	e54	110	---	403	---	68	---	61	36	---
TOTAL	1038	2239	2623	4018	4061	5997	5334	2510	2080	1656	1720	1671
MEAN	33.5	74.6	84.6	130	145	193	178	81.0	69.3	53.4	55.5	55.7
MAX	56	345	514	984	365	451	337	142	137	148	119	210
MIN	28	35	43	44	82	121	98	64	50	35	36	35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2001, BY WATER YEAR (WY)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
MEAN	92.7	125	166	210	258	271	226	165	117	84.1	90.7	69.2										
MAX	336	341	334	450	522	461	481	368	287	281	317	207										
(WY)	1996	1993	1984	1998	1998	1997	1983	1984	1992	1989	1994	1989										
MIN	30.5	43.0	83.5	53.5	102	83.6	83.5	81.0	53.0	45.8	29.3	27.6										
(WY)	1999	1982	1989	1981	1986	1988	1986	2001	1988	1993	1993	1998										

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1981 - 2001

ANNUAL TOTAL	39100	34947		
ANNUAL MEAN	107	95.7	158	
HIGHEST ANNUAL MEAN			211	1996
LOWEST ANNUAL MEAN			87.5	1988
HIGHEST DAILY MEAN	1550	Mar 20	984	Jan 19
LOWEST DAILY MEAN	28	Oct 5	28	Oct 5
ANNUAL SEVEN-DAY MINIMUM	29	Oct 2	29	Oct 2
MAXIMUM PEAK FLOW			2220	Jan 19
MAXIMUM PEAK STAGE			4.85	Jan 19
INSTANTANEOUS LOW FLOW			28*	Oct 3
10 PERCENT EXCEEDS	205	183	304	
50 PERCENT EXCEEDS	75	66	106	
90 PERCENT EXCEEDS	33	36	44	

e Estimated.
* See REMARKS.

03456100 WEST FORK PIGEON RIVER AT BETHEL, NC--Continued

