

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 NGVD of 1929 (levels by Tennessee Valley Authority). Satellite and telephone telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Considerable regulation, at times, caused by Lake Logan (station 03455773).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	56	76	e66	140	78	256	177	81	45	30	30
2	41	55	66	62	127	141	198	123	77	43	28	30
3	39	55	61	64	119	172	178	128	81	43	32	29
4	39	54	58	60	113	109	164	361	95	45	28	28
5	39	53	56	e60	103	97	154	222	185	39	27	27
6	42	51	54	78	119	96	144	174	110	37	28	28
7	42	51	53	67	229	92	137	156	94	35	28	30
8	39	50	52	58	165	89	130	142	83	35	29	30
9	38	49	57	60	145	98	171	133	77	34	28	30
10	39	49	93	64	143	108	202	132	71	35	27	29
11	38	48	177	83	134	90	157	119	68	38	28	28
12	66	47	88	69	124	126	147	114	65	49	29	27
13	96	47	108	62	116	241	160	127	64	57	29	28
14	589	46	119	59	110	155	148	135	62	80	29	32
15	152	46	101	59	107	132	139	108	62	46	29	70
16	101	46	86	56	103	137	130	102	58	43	33	81
17	86	45	120	56	97	192	140	98	55	38	30	44
18	79	45	195	58	93	190	138	200	55	36	30	37
19	73	45	117	255	93	169	126	127	52	34	32	36
20	70	44	99	260	105	165	119	115	50	32	31	37
21	66	43	90	181	101	206	114	109	50	32	28	253
22	63	43	84	146	91	166	111	106	49	32	27	245
23	63	44	94	505	88	150	107	100	55	34	27	154
24	62	100	131	342	86	139	105	95	57	38	27	80
25	67	345	91	483	84	129	130	90	51	87	29	86
26	61	91	84	280	e81	157	100	88	71	55	33	456
27	59	73	76	223	78	169	96	120	89	48	89	1640
28	59	66	77	192	e75	136	98	100	60	37	69	369
29	59	60	73	172	---	128	93	88	51	33	38	227
30	59	100	69	157	---	210	89	83	47	31	33	176
31	58	---	67	146	---	250	---	81	---	31	31	---
TOTAL	2427	1947	2772	4483	3169	4517	4181	4053	2125	1302	1016	4397
MEAN	78.29	64.90	89.42	144.6	113.2	145.7	139.4	130.7	70.83	42.00	32.77	146.6
MAX	589	345	195	505	229	250	256	361	185	87	89	1640
MIN	38	43	52	56	75	78	89	81	47	31	27	27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2002, 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	2002	
MEAN	91.99	122.2	162.3	206.8	251.4	264.9	221.8	163.0	114.7	82.16	88.07	72.67											
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	42.0	29.3	27.6											
(WY)	1999	1982	1989	1981	1986	1988	1986	2001	1988	2002	1993	1998											

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1981 - 2002

ANNUAL TOTAL	36193	36389		
ANNUAL MEAN	99.16	99.70	155.1	
HIGHEST ANNUAL MEAN			211	1996
LOWEST ANNUAL MEAN			87.5	1988
HIGHEST DAILY MEAN	984	Jan 19	1640	Sep 27
LOWEST DAILY MEAN	35	Jul 24	27	Aug 5
ANNUAL SEVEN-DAY MINIMUM	37	Sep 13	28	Aug 4
MAXIMUM PEAK FLOW			2670	Sep 27
MAXIMUM PEAK STAGE			5.38	Sep 27
INSTANTANEOUS LOW FLOW			26	Aug 9
10 PERCENT EXCEEDS	182		175	
50 PERCENT EXCEEDS	70		78	
90 PERCENT EXCEEDS	41		31	

e Estimated.

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

