

03456100 WEST FORK PIGEON RIVER AT BETHEL, NC

LOCATION.--Lat 35°27'48", long 82°53'59", 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 mi<sup>2</sup>.

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.--No estimated daily discharges. Records good. Considerable regulation, at times, caused by Lake Logan (station 03455773). Minimum discharge for current water year also occurred Sept. 22.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	90	110	439	118	305	182	199	149	137	122	102
2	128	85	108	264	111	283	199	257	140	804	86	75
3	115	82	104	286	108	256	180	194	159	271	114	69
4	105	83	118	236	204	237	169	179	171	198	148	82
5	102	97	330	216	144	226	218	347	139	175	185	82
6	92	182	195	201	134	737	187	1,860	130	170	112	69
7	85	110	162	185	136	414	274	1,410	613	184	104	66
8	82	99	147	180	117	342	244	859	315	156	106	69
9	79	94	138	169	117	306	329	622	216	149	104	66
10	76	101	136	161	134	279	327	503	185	153	127	62
11	84	346	225	149	117	257	326	435	172	142	132	60
12	76	263	160	139	114	237	382	377	203	125	103	59
13	70	204	223	139	110	223	433	331	171	143	109	58
14	68	168	221	132	150	211	378	303	156	144	100	57
15	104	151	181	125	287	200	319	289	163	156	106	84
16	327	363	170	124	397	251	283	263	141	128	105	66
17	127	295	158	119	392	206	261	246	139	127	106	59
18	104	223	149	109	259	204	419	262	151	110	89	56
19	94	195	150	116	221	267	300	232	161	107	84	55
20	89	174	379	113	206	610	270	212	134	102	81	54
21	87	294	219	124	198	363	305	222	121	111	83	53
22	82	216	197	121	1,130	299	278	379	114	151	85	384
23	78	185	178	103	755	269	247	278	111	125	84	296
24	75	171	618	112	465	245	231	249	106	102	74	106
25	74	157	416	106	379	227	219	221	103	97	73	85
26	82	146	303	99	376	212	224	216	100	92	70	77
27	74	141	264	95	414	201	205	193	97	89	70	76
28	103	128	233	93	350	190	192	181	100	87	68	101
29	129	123	210	148	---	182	183	177	110	84	68	73
30	126	116	194	176	---	198	177	167	111	90	79	69
31	100	---	182	132	---	175	---	159	---	93	71	---
TOTAL	3,166	5,082	6,578	4,911	7,643	8,612	7,941	11,822	4,881	4,802	3,048	2,670
MEAN	102	169	212	158	273	278	265	381	163	155	98.3	89.0
MAX	327	363	618	439	1,130	737	433	1,860	613	804	185	384
MIN	68	82	104	93	108	175	169	159	97	84	68	53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2003, BY WATER YEAR (WY)

MEAN	92.4	124	165	205	252	265	224	173	117	85.3	88.5	73.4
MAX	336	341	334	450	522	461	481	381	287	281	317	207
(WY)	(1996)	(1993)	(1984)	(1998)	(1998)	(1997)	(1983)	(2003)	(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1981 - 2003	
ANNUAL TOTAL	44,069		71,156			
ANNUAL MEAN	121		195		157	
HIGHEST ANNUAL MEAN					211	
LOWEST ANNUAL MEAN					87.5	
HIGHEST DAILY MEAN	1,640	Sep 27	1,860	May 6	3,810	Feb 2, 1983
LOWEST DAILY MEAN	27	Aug 5	53	Sep 21	9.2	Sep 2, 1986
ANNUAL SEVEN-DAY MINIMUM	28	Aug 4	61	Sep 15	16	Sep 2, 1986
MAXIMUM PEAK FLOW			3,600	May 6	8,900	Aug 17, 1994
MAXIMUM PEAK STAGE			6.45	May 6	12.63	Aug 17, 1994
INSTANTANEOUS LOW FLOW			52*	Sep 21	4.2	Sep 5, 1986
10 PERCENT EXCEEDS	220		335		304	
50 PERCENT EXCEEDS	99		151		108	
90 PERCENT EXCEEDS	31		79		43	

\* See REMARKS.

03456100 WEST FORK PIGEON RIVER AT BETHEL, NC—Continued

