

03456100 WEST FORK PIGEON RIVER AT BETHEL, NC

LOCATION.--Lat 35°27'50", 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-04-1: 1983(M), 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 fair. Considerable regulation, at times, caused by Lake Logan (station 03455773). Maximum discharge for period of record from rating curve extended above 7,000 ft³/s on basis of slope-area measurement of peak flow. Maximum gage height for period of record from high-water mark in gage. Minimum discharge for current water year also occurred Aug. 5.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	463	123	366	186	122	157	243	272	139	364	171	282
2	332	122	270	178	121	142	392	263	377	292	150	223
3	361	164	245	171	214	141	279	199	262	235	133	190
4	327	531	226	e165	152	137	263	72	225	227	139	167
5	299	273	211	e160	136	155	245	71	195	202	113	153
6	274	200	272	e155	132	142	223	70	230	197	119	140
7	251	175	369	150	128	148	245	94	214	761	135	130
8	231	161	292	168	132	429	387	126	276	452	186	122
9	222	148	437	149	137	243	e290	123	247	466	154	115
10	211	139	420	320	137	215	e255	188	210	521	137	108
11	201	136	338	351	e125	198	237	191	245	231	121	103
12	193	411	300	154	e120	183	e230	154	1,270	599	110	98
13	214	268	272	132	e125	182	e310	171	1,180	398	110	94
14	183	216	247	331	e140	204	e300	146	517	340	144	90
15	170	194	287	279	e136	178	e280	162	389	297	107	86
16	155	180	220	256	134	208	275	151	323	271	100	97
17	149	169	211	306	128	202	268	136	280	247	103	95
18	147	160	135	383	117	177	261	130	260	222	103	81
19	174	152	186	301	114	170	255	127	274	217	110	76
20	158	146	e180	124	122	162	234	382	284	253	96	74
21	143	139	303	122	297	155	114	266	246	212	91	72
22	135	135	294	120	245	163	91	213	217	266	122	71
23	130	178	548	114	189	322	152	186	198	244	128	69
24	128	564	379	128	214	219	181	168	181	190	97	66
25	124	439	297	178	189	197	168	156	167	172	88	65
26	120	308	265	132	170	188	168	147	175	159	85	85
27	116	276	241	95	162	195	173	138	262	147	83	86
28	119	305	227	65	179	727	158	135	169	151	233	68
29	169	250	248	71	---	369	169	127	264	296	374	68
30	127	231	222	74	---	279	221	119	203	196	1,020	68
31	121	---	147	85	---	237	---	112	---	175	461	---
TOTAL	6,147	6,893	8,655	5,603	4,317	6,824	7,067	4,995	9,479	9,000	5,323	3,242
MEAN	198	230	279	181	154	220	236	161	316	290	172	108
MAX	463	564	548	383	297	727	392	382	1,270	761	1,020	282
MIN	116	122	135	65	114	137	91	70	139	147	83	65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, BY WATER YEAR (WY)

MEAN	96.6	134	171	200	247	259	221	171	124	96.9	92.1	114
MAX	336	341	334	450	522	461	481	381	316	290	317	1,057
(WY)	(1996)	(1993)	(1984)	(1998)	(1998)	(1997)	(1983)	(2003)	(2005)	(2005)	(1994)	(2004)
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)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005	
ANNUAL TOTAL	87,974		77,545		162	
ANNUAL MEAN	240		212		87.5	
HIGHEST ANNUAL MEAN					224	2004
LOWEST ANNUAL MEAN					87.5	1988
HIGHEST DAILY MEAN	5,720	Sep 17	1,270	Jun 12	5,720	Sep 17, 2004
LOWEST DAILY MEAN	64	Aug 27	65	Jan 28	9.2	Sep 2, 1986
ANNUAL SEVEN-DAY MINIMUM	69	Aug 22	70	Sep 19	16	Sep 2, 1986
MAXIMUM PEAK FLOW			4,450	Aug 30	19,000*	Sep 17, 2004
MAXIMUM PEAK STAGE			7.39	Aug 30	16.27*	Sep 17, 2004
INSTANTANEOUS LOW FLOW			57*	Aug 4	4.2	Sep 5, 1986
10 PERCENT EXCEEDS	367		339		305	
50 PERCENT EXCEEDS	143		179		113	
90 PERCENT EXCEEDS	87		102		44	

* See REMARKS.
e Estimated.

