

0345577330 WEST FORK PIGEON RIVER NEAR RETREAT, NC

LOCATION.--Lat 35°25'36", long 82°55'11", Haywood County, Hydrologic Unit 06010106, on right bank at upstream side of bridge on State Highway 215, and 1.6 mi southwest of Retreat.

DRAINAGE AREA.--33.5 mi².

PERIOD OF RECORD.--March 1988 to current year.

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

GAGE.--Water-stage recorder and crest-stage gages. Elevation of gage is 2,839 ft above NGVD of 1929, from topographic map. Satellite and telephone telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Some low flow regulation, at times, caused by Lake Logan (station 03455773). Maximum discharge for period of record from rating curve extended above 4,000 ft³/s by logarithmic plotting. 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	120	63	72	420	72	261	114	154	84	121	68	75
2	99	57	73	202	67	239	125	182	77	594	40	44
3	87	54	67	231	66	212	107	129	96	172	77	38
4	78	56	88	172	177	192	100	115	106	115	95	51
5	76	84	310	153	96	186	145	277	79	95	97	49
6	64	156	142	139	88	576	113	1,300	73	102	58	38
7	59	81	111	121	86	284	209	883	553	110	55	35
8	55	68	100	118	71	235	183	527	220	89	61	37
9	50	62	90	108	71	213	272	396	141	84	59	34
10	49	71	91	102	85	192	240	320	117	91	85	31
11	56	353	184	90	70	175	221	281	109	83	80	30
12	47	237	107	82	68	161	274	240	134	70	58	29
13	42	161	182	83	64	152	304	205	107	68	62	29
14	40	124	159	78	104	146	258	186	96	69	54	28
15	101	112	120	72	220	139	214	174	100	76	64	59
16	309	382	111	72	404	188	187	154	83	62	63	37
17	92	259	103	67	342	145	177	145	83	62	61	31
18	72	179	96	e71	200	144	344	160	93	53	49	28
19	64	152	100	e56	164	215	210	135	100	53	46	26
20	58	133	327	e59	151	480	184	121	78	49	44	25
21	57	301	142	80	152	250	224	130	69	58	48	25
22	52	183	128	72	1,050	202	191	263	64	81	50	378
23	47	148	112	e71	587	176	164	171	61	66	52	220
24	45	134	500	e71	372	159	150	156	58	48	40	79
25	44	117	292	e54	308	147	144	135	55	47	40	61
26	51	107	202	54	330	137	151	131	53	44	37	54
27	43	101	171	49	374	129	131	112	50	49	37	56
28	91	88	148	50	309	120	118	105	52	48	35	81
29	99	84	136	117	---	113	110	103	57	43	35	51
30	105	78	122	137	---	124	106	97	52	38	47	47
31	73	---	119	86	---	106	---	92	---	51	39	---
TOTAL	2,325	4,185	4,705	3,337	6,148	6,198	5,470	7,579	3,100	2,791	1,736	1,806
MEAN	75.0	140	152	108	220	200	182	244	103	90.0	56.0	60.2
MAX	309	382	500	420	1,050	576	344	1,300	553	594	97	378
MIN	40	54	67	49	64	106	100	92	50	38	35	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	82.5	99.7	117	171	189	196	155	121	96.3	66.0	74.4	65.2
MAX	262	265	239	314	360	309	268	244	210	209	220	170
(WY)	(1996)	(1993)	(1993)	(1996)	(1990)	(1990)	(1994)	(2003)	(1989)	(1989)	(1994)	(2002)
MIN	18.5	34.7	52.1	95.1	81.1	62.6	72.2	48.1	40.0	31.3	24.7	17.3
(WY)	(1999)	(1999)	(1989)	(2000)	(2002)	(1988)	(1995)	(2001)	(1988)	(1993)	(1998)	(1998)

0345577330 WEST FORK PIGEON RIVER NEAR RETREAT, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL TOTAL	36,669		49,380		121	
ANNUAL MEAN	100		135		69.4	
HIGHEST ANNUAL MEAN					157	1996
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	1,660	Sep 27	1,300	May 6	2,940	Oct 5, 1995
LOWEST DAILY MEAN	21	Jul 8	25	Sep 20	15	Sep 27, 1998
ANNUAL SEVEN-DAY MINIMUM	23	Aug 19	31	Sep 8	16	Sep 11, 1998
MAXIMUM PEAK FLOW			3,180	Feb 22	7,960*	Aug 17, 1994
MAXIMUM PEAK STAGE			5.71	Feb 22	8.97	Aug 17, 1994
INSTANTANEOUS LOW FLOW			22*	Sep 21	12	Jul 19, 2001
10 PERCENT EXCEEDS	186		262		231	
50 PERCENT EXCEEDS	72		99		84	
90 PERCENT EXCEEDS	26		47		29	

e Estimated.
 * See REMARKS.

