

TENNESSEE RIVER BASIN

0345577330 WEST FORK PIGEON RIVER NEAR RETREAT, NC

LOCATION.--Lat 35°25'36", long 82°55'12", 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 sea level, 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.

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	25	42	46	34	62	108	216	56	149	67	45	27
2	23	23	43	e33	57	100	160	51	98	41	39	33
3	22	21	42	e32	53	106	211	48	63	41	36	53
4	21	20	37	e31	51	219	208	46	60	38	66	87
5	20	20	37	e31	49	133	168	47	50	46	179	40
6	20	19	35	e31	46	109	149	49	46	31	131	29
7	20	20	33	32	45	99	132	43	45	28	68	26
8	19	20	32	38	44	91	118	44	73	27	66	23
9	19	379	30	30	48	85	107	43	60	28	55	23
10	20	192	32	e24	63	78	98	49	47	37	54	135
11	20	64	38	e26	47	75	91	42	45	26	67	50
12	20	47	26	47	54	110	86	41	40	23	54	36
13	20	40	39	35	62	158	129	39	37	21	109	31
14	19	35	154	34	114	96	95	36	38	19	82	28
15	19	31	65	44	108	161	102	36	40	17	57	25
16	19	31	254	37	113	149	93	35	33	17	49	22
17	19	61	455	32	289	119	82	34	32	18	42	21
18	20	37	134	184	125	102	77	33	29	17	40	20
19	20	36	e108	886	101	90	74	35	27	16	34	26
20	20	33	e86	334	91	103	70	47	27	32	31	121
21	19	25	e73	163	84	100	68	40	30	25	28	40
22	20	25	63	123	112	98	66	41	32	19	27	28
23	20	28	e59	102	99	107	62	45	42	17	24	25
24	20	30	e58	90	84	110	62	35	27	15	26	302
25	20	313	e54	76	366	110	65	145	26	91	25	113
26	20	135	e51	70	200	104	57	71	45	69	54	70
27	20	81	50	69	139	92	53	48	43	30	28	54
28	20	65	49	62	121	87	51	52	71	27	24	47
29	20	58	43	62	---	333	51	68	38	213	22	42
30	23	52	e40	115	---	340	53	48	78	118	22	39
31	43	---	e37	67	---	297	---	43	---	57	24	---
TOTAL	650	1983	2303	2974	2827	4069	3054	1490	1471	1271	1608	1616
MEAN	21.0	66.1	74.3	95.9	101	131	102	48.1	49.0	41.0	51.9	53.9
MAX	43	379	455	886	366	340	216	145	149	213	179	302
MIN	19	19	26	24	44	75	51	33	26	15	22	20
CFSM	.63	1.97	2.22	2.86	3.01	3.92	3.04	1.43	1.46	1.22	1.55	1.61
IN.	.72	2.20	2.56	3.30	3.14	4.52	3.39	1.65	1.63	1.41	1.79	1.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

	MEAN	83.8	101	116	180	195	200	156	114	98.9	66.5	78.8	58.1
MAX	262	265	239	314	360	309	268	193	210	209	220	136	
(WY)	1996	1993	1993	1996	1990	1990	1994	1990	1989	1989	1994	1989	
MIN	18.5	34.7	52.1	95.1	101	62.6	72.2	48.1	40.0	31.3	24.7	17.3	
(WY)	1999	1999	1989	2000	2001	1988	1995	2001	1988	1993	1998	1998	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1988 - 2001
ANNUAL TOTAL	31082	25316	
ANNUAL MEAN	84.9	69.4	123
HIGHEST ANNUAL MEAN			157
LOWEST ANNUAL MEAN			69.4
HIGHEST DAILY MEAN	1380	Mar 20	886
LOWEST DAILY MEAN	19	Sep 15	15
ANNUAL SEVEN-DAY MINIMUM	19	Oct 11	18
MAXIMUM PEAK FLOW			1970
MAXIMUM PEAK STAGE			4.77
INSTANTANEOUS LOW FLOW			12
ANNUAL RUNOFF (CFSM)	2.54	2.07	3.67
ANNUAL RUNOFF (INCHES)	34.51	28.11	49.81
10 PERCENT EXCEEDS	164	132	229
50 PERCENT EXCEEDS	55	46	82
90 PERCENT EXCEEDS	20	20	30

e Estimated.
* See REMARKS.

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