

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 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 Nov. 20, 21, 22, 23.

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	34	32	68	e54	104	e45	261	171	52	33	21	28
2	32	32	55	e54	91	142	184	90	48	30	22	26
3	32	30	50	52	84	149	157	93	50	29	33	24
4	33	28	47	e52	78	81	136	390	57	31	23	23
5	33	27	44	e52	69	e73	123	190	199	25	22	22
6	38	25	43	70	96	71	111	137	92	23	23	26
7	35	25	41	53	217	68	104	118	71	22	25	31
8	31	24	41	e48	129	65	96	104	59	21	27	30
9	28	23	47	49	108	80	165	98	53	21	25	29
10	29	22	121	57	109	83	195	98	49	21	24	29
11	28	21	187	83	99	65	127	87	46	29	26	26
12	100	21	84	59	89	113	116	83	43	36	28	24
13	163	21	118	51	82	267	136	104	42	63	28	25
14	722	21	130	48	77	132	118	100	41	84	28	28
15	141	20	101	46	74	107	109	76	40	38	28	117
16	91	20	82	44	71	114	98	70	37	36	26	107
17	75	19	156	43	65	188	110	66	36	28	24	56
18	66	19	210	45	61	170	102	200	35	25	24	43
19	58	19	117	304	62	136	91	99	32	23	24	40
20	52	18	97	244	76	144	85	86	31	22	23	50
21	48	17	85	172	68	204	81	80	29	21	22	411
22	46	17	78	125	60	140	75	76	27	21	22	384
23	45	18	97	502	57	119	69	71	39	25	22	233
24	45	95	129	305	54	110	67	66	39	29	23	132
25	47	396	84	437	53	101	102	61	33	113	23	158
26	40	75	74	230	e49	153	71	65	60	53	32	640
27	38	60	66	177	46	150	69	93	95	52	123	1660
28	37	52	67	147	e44	110	68	71	49	34	80	350
29	36	48	64	128	---	101	62	59	39	28	41	205
30	34	112	58	114	---	232	58	55	34	24	34	147
31	33	---	56	107	---	285	---	52	---	22	28	---
TOTAL	2270	1357	2697	3952	2272	3998	3346	3209	1557	1062	954	5104
MEAN	73.23	45.23	87.00	127.5	81.14	129.0	111.5	103.5	51.90	34.26	30.77	170.1
MAX	722	396	210	502	217	285	261	390	199	113	123	1660
MIN	28	17	41	43	44	45	58	52	27	21	21	22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2002, BY WATER YEAR (WY)

	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02
MEAN	83.02	96.89	114.3	175.9	187.1	195.6	153.0	113.2	95.81	64.37	75.61	65.53			
MAX	262	265	239	314	360	309	268	193	210	209	220	170			
(WY)	1996	1993	1993	1996	1990	1990	1994	1990	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			

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1988 - 2002

ANNUAL TOTAL	26704	31778		
ANNUAL MEAN	73.16	87.06	120.3	
HIGHEST ANNUAL MEAN			157	1996
LOWEST ANNUAL MEAN			69.4	2001
HIGHEST DAILY MEAN	886	Jan 19	1660	Sep 27
LOWEST DAILY MEAN	15	Jul 24	17	Nov 21
ANNUAL SEVEN-DAY MINIMUM	18	Jul 13	18	Nov 17
MAXIMUM PEAK FLOW			2800	Sep 27
MAXIMUM PEAK STAGE			5.43	Sep 27
INSTANTANEOUS LOW FLOW			17*	Nov 19
10 PERCENT EXCEEDS	131		160	229
50 PERCENT EXCEEDS	49		58	83
90 PERCENT EXCEEDS	24		23	28

e Estimated.

* See REMARKS.

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