

03455500 WEST FORK PIGEON RIVER ABOVE LAKE LOGAN NEAR HAZELWOOD, NC

LOCATION.--Lat 35°23'46", long 82°56'16", Haywood County, Hydrologic Unit 06010106, on right bank at upstream side of bridge on Secondary Road 1216, 600 ft upstream from Big Creek, 1.1 mi upstream from Lake Logan, 6.7 mi southeast of Hazelwood, and at mile 9.3.

DRAINAGE AREA.--27.6 mi².

PERIOD OF RECORD.--February 1954 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 2,976.00 ft above NGVD of 1929. Satellite and telephone telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Maximum gage height for current water year and period of record from high-water mark. Maximum discharge for current water year and period of record from rating curve extended above 7,500 ft³/s on basis of slope area measurement of peak flow. Minimum discharge for period of record also occurred Sept. 30, 1954. Minimum discharge for current water year also occurred Oct. 8, 25, 26.

EXTREMES FOR CURRENT YEAR.--Peak discharges associated with the remnants of Hurricanes Frances and Ivan:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sep 8	0000	7,600	9.23	Sep 17	0100	12,700	10.83

REVISIONS.--The maximum discharge for the water year 1994 has been revised to 5,900 ft³/s, Aug. 17, 1994, gage height 8.25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	46	102	74	55	71	65	77	53	74	128	55
2	39	45	93	72	77	132	61	163	47	62	102	169
3	37	43	88	71	110	113	61	107	44	91	91	72
4	36	42	100	69	75	94	61	88	45	78	76	57
5	35	158	102	122	74	89	56	81	42	62	76	50
6	34	263	86	93	710	229	55	76	40	63	71	59
7	34	114	79	76	235	130	54	71	40	51	61	2,620
8	39	88	76	76	158	107	53	69	42	46	56	2,910
9	64	76	74	74	135	99	51	101	43	46	53	761
10	83	69	441	68	122	94	49	77	41	55	51	508
11	89	64	178	75	109	88	50	67	37	70	48	411
12	60	60	133	64	134	83	69	67	44	72	57	346
13	50	58	122	62	110	79	405	242	43	71	53	304
14	50	53	177	60	101	75	133	127	41	52	47	273
15	55	52	131	59	102	88	103	91	126	46	45	251
16	46	49	116	56	95	107	92	83	75	42	42	925
17	43	49	140	56	90	85	84	90	48	50	40	2,640
18	42	181	112	105	84	88	78	78	43	57	39	703
19	40	1,610	104	70	81	85	73	73	39	42	38	478
20	38	279	95	62	80	80	69	88	37	39	43	374
21	38	197	e91	59	101	88	66	69	43	37	48	310
22	36	160	89	56	80	75	63	66	51	38	38	263
23	36	135	88	55	77	71	60	62	48	38	37	234
24	35	147	165	54	76	70	59	59	45	38	47	209
25	34	121	101	70	74	67	57	55	98	200	43	189
26	119	106	92	87	72	66	162	53	98	117	38	172
27	141	108	87	74	72	64	94	51	62	184	36	330
28	71	191	83	60	69	61	76	49	62	78	80	1,010
29	58	127	80	72	69	60	71	47	52	110	73	319
30	52	111	95	57	---	67	70	64	69	440	54	257
31	49	---	78	56	---	73	---	86	---	178	62	---
TOTAL	1,623	4,802	3,598	2,164	3,427	2,778	2,500	2,577	1,598	2,627	1,773	17,259
MEAN	52.4	160	116	69.8	118	89.6	83.3	83.1	53.3	84.7	57.2	575
MAX	141	1,610	441	122	710	229	405	242	126	440	128	2,910
MIN	34	42	74	54	55	60	49	47	37	37	36	50
CFSM	1.90	5.80	4.21	2.53	4.28	3.25	3.02	3.01	1.93	3.07	2.07	20.8
IN.	2.19	6.47	4.85	2.92	4.62	3.74	3.37	3.47	2.15	3.54	2.39	23.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

	71.1	89.7	109	126	152	162	141	108	81.4	58.7	57.4	66.9
MEAN	71.1	89.7	109	126	152	162	141	108	81.4	58.7	57.4	66.9
MAX	229	301	234	272	355	312	291	289	213	207	187	575
(WY)	(1965)	(1980)	(1962)	(1998)	(1966)	(1975)	(1983)	(1976)	(1967)	(1967)	(1994)	(2004)
MIN	13.5	26.8	29.7	34.0	68.7	53.8	47.8	49.2	30.8	23.3	16.4	13.0
(WY)	(1955)	(1979)	(1966)	(1981)	(1968)	(1988)	(1986)	(2001)	(1988)	(1993)	(1998)	(1954)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	41,974		46,726		102	
ANNUAL MEAN	115		128		59.6	
HIGHEST ANNUAL MEAN					143	1979
LOWEST ANNUAL MEAN					59.6	1986
HIGHEST DAILY MEAN	1,610	Nov 19	2,910	Sep 8	4,500	Feb 13, 1966
LOWEST DAILY MEAN	26	Sep 21	34	Oct 6	10	Sep 28, 1954
ANNUAL SEVEN-DAY MINIMUM	31	Sep 8	36	Oct 2	11	Sep 11, 1998
MAXIMUM PEAK FLOW			12,700*	Sep 17	12,700*	Sep 17, 2004
MAXIMUM PEAK STAGE			10.83*	Sep 17	10.83*	Sep 17, 2004
INSTANTANEOUS LOW FLOW			33*	Oct 7	9.4*	Sep 29, 1954
ANNUAL RUNOFF (CFSM)	4.17		4.63		3.70	
ANNUAL RUNOFF (INCHES)	56.57		62.98		50.25	
10 PERCENT EXCEEDS	192		186		186	
50 PERCENT EXCEEDS	88		72		70	
90 PERCENT EXCEEDS	39		42		26	

* See REMARKS.

e Estimated.

