

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

LOCATION.--Lat 35°23'46", long 82°56'15", 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 mi<sup>2</sup>.

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

REVISED RECORDS.--WDR NC-04-1: 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 period of record from high-water mark. Maximum discharge for period of record from rating curve extended above 7,500 ft<sup>3</sup>/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 Sept. 25, 26, 30.

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	243	62	241	104	70	89	128	99	101	232	110	165
2	215	68	158	100	71	89	251	89	217	174	94	134
3	192	105	143	96	146	83	156	85	138	144	86	115
4	174	433	132	93	89	81	148	81	107	140	83	103
5	159	163	123	89	82	90	136	79	99	120	80	94
6	146	125	196	89	80	82	124	78	109	108	75	87
7	135	109	248	85	78	96	150	73	96	552	95	81
8	125	99	182	97	81	287	236	71	166	235	117	76
9	120	92	309	84	86	132	160	69	123	176	97	72
10	112	88	237	80	85	117	139	109	111	154	85	67
11	106	88	192	78	71	109	128	93	138	418	76	64
12	106	327	170	76	70	102	131	91	1,080	468	70	62
13	118	166	155	270	77	102	164	91	806	239	80	59
14	96	135	140	341	101	119	157	83	315	201	86	56
15	91	121	131	148	87	99	133	96	229	182	68	54
16	85	112	126	129	83	121	122	85	187	163	65	65
17	81	105	119	e115	77	111	114	78	161	147	66	56
18	79	99	112	e111	71	99	109	73	145	131	66	51
19	97	94	107	102	70	95	103	71	145	133	65	48
20	81	92	e104	98	77	92	98	185	157	147	61	47
21	75	87	100	96	225	87	94	113	131	122	57	45
22	72	85	101	93	145	104	119	96	116	202	73	45
23	70	119	601	e90	113	190	121	88	107	145	68	43
24	69	440	193	e86	135	120	98	81	99	117	58	42
25	66	246	160	82	113	108	93	78	92	106	54	40
26	64	172	144	81	102	101	93	74	97	98	53	65
27	62	164	131	76	96	121	96	71	114	91	53	52
28	71	177	125	72	103	479	88	70	149	106	53	43
29	101	144	118	78	---	165	86	67	139	213	58	46
30	71	134	113	78	---	140	120	65	157	122	1,050	42
31	66	---	109	72	---	135	---	62	---	115	259	---
TOTAL	3,348	4,451	5,220	3,289	2,684	3,945	3,895	2,644	5,831	5,701	3,461	2,019
MEAN	108	148	168	106	95.9	127	130	85.3	194	184	112	67.3
MAX	243	440	601	341	225	479	251	185	1,080	552	1,050	165
MIN	62	62	100	72	70	81	86	62	92	91	53	40
CFSM	3.91	5.38	6.10	3.84	3.47	4.61	4.70	3.09	7.04	6.66	4.05	2.44
IN.	4.51	6.00	7.04	4.43	3.62	5.32	5.25	3.56	7.86	7.68	4.66	2.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

MEAN	71.8	90.9	110	125	151	162	140	108	83.6	61.1	58.5	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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL TOTAL	49,722		46,488		103	
ANNUAL MEAN	136		127		59.6	
HIGHEST ANNUAL MEAN					143	1979
LOWEST ANNUAL MEAN					59.6	1986
HIGHEST DAILY MEAN	2,910	Sep 8	1,080	Jun 12	4,500	Feb 13, 1966
LOWEST DAILY MEAN	36	Aug 27	40	Sep 25	10	Sep 28, 1954
ANNUAL SEVEN-DAY MINIMUM	40	Aug 17	44	Sep 19	11	Sep 11, 1998
MAXIMUM PEAK FLOW			3,690	Aug 30	12,700*	Sep 17, 2004
MAXIMUM PEAK STAGE			6.39	Aug 30	10.83*	Sep 17, 2004
INSTANTANEOUS LOW FLOW			40*	Sep 24	9.4*	Sep 29, 1954
ANNUAL RUNOFF (CFSM)	4.92		4.61		3.72	
ANNUAL RUNOFF (INCHES)	67.02		62.66		50.49	
10 PERCENT EXCEEDS	230		192		186	
50 PERCENT EXCEEDS	78		101		71	
90 PERCENT EXCEEDS	46		66		27	

\* See REMARKS.

e Estimated.

