

03456500 EAST FORK PIGEON RIVER NEAR CANTON, NC

LOCATION.--Lat 35°27'42", long 82°52'12", Haywood County, Hydrologic Unit 06010106, on right bank 800 ft upstream from bridge on U.S. Highway 276, 0.3 mi downstream of Dix Creek, 1.6 mi upstream from confluence with West Fork Pigeon River, and 5.2 mi southwest of Canton.

DRAINAGE AREA.--51.5 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR NC-73-1: 1966(M), 1972(M).

GAGE.--Water-stage recorder. Datum of gage is 2,674.34 ft above NGVD of 1929 (Tennessee Valley Authority bench mark). Satellite and telephone telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Maximum discharge for period of record, from rating curve extended above 5,470 ft<sup>3</sup>/s, on basis of contracted-opening measurement of peak flow. Minimum discharge for period of record also occurred Dec. 11, 1981, result of freezeup, and Oct. 9, 1994. 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	168	73	91	396	84	215	170	171	135	125	105	126
2	144	71	88	282	81	202	173	203	127	1,200	85	96
3	126	69	86	275	79	185	162	175	146	391	100	87
4	111	68	94	239	112	173	154	162	139	278	112	94
5	104	80	206	220	92	166	178	255	120	242	144	88
6	93	124	147	203	88	451	158	1,370	113	224	119	79
7	86	86	128	186	91	301	256	1,180	430	208	106	76
8	81	80	119	177	82	257	221	740	273	180	135	76
9	77	78	112	167	82	231	235	528	202	173	131	72
10	75	82	110	157	92	210	275	420	176	162	147	68
11	79	241	200	146	85	194	300	359	164	149	146	66
12	71	215	155	138	82	180	346	309	176	134	126	64
13	67	186	218	133	79	171	381	271	152	164	151	61
14	63	161	235	127	95	162	339	246	142	160	138	60
15	100	146	197	120	160	156	293	234	139	173	124	85
16	271	254	180	116	214	196	259	212	126	145	121	65
17	142	240	164	113	226	165	237	205	127	152	111	60
18	118	202	151	e96	173	176	323	221	134	133	102	57
19	105	181	148	e94	153	289	256	196	134	124	93	55
20	97	164	357	e94	142	717	234	181	116	117	89	53
21	92	188	236	109	135	462	243	183	107	116	107	52
22	86	160	211	103	810	358	223	310	100	156	101	298
23	81	144	189	e85	665	303	204	258	95	130	95	279
24	78	134	534	e82	400	265	192	227	90	112	84	137
25	77	126	424	e82	317	238	184	209	87	104	81	112
26	86	118	324	e80	280	219	180	198	84	97	77	99
27	75	113	273	e80	270	202	167	181	81	93	74	95
28	79	105	239	e78	237	190	159	169	96	87	77	109
29	91	100	215	97	---	180	160	164	87	86	85	86
30	86	97	196	107	---	186	165	154	87	90	84	81
31	78	---	186	91	---	169	---	145	---	91	90	---
TOTAL	3,087	4,086	6,213	4,473	5,406	7,569	6,827	9,836	4,185	5,796	3,340	2,836
MEAN	99.6	136	200	144	193	244	228	317	140	187	108	94.5
MAX	271	254	534	396	810	717	381	1,370	430	1,200	151	298
MIN	63	68	86	78	79	156	154	145	81	86	74	52
CFSM	1.93	2.64	3.89	2.80	3.75	4.74	4.42	6.16	2.71	3.63	2.09	1.84
IN.	2.23	2.95	4.49	3.23	3.90	5.47	4.93	7.10	3.02	4.19	2.41	2.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

MEAN	107	130	144	167	203	233	207	156	115	73.8	76.3	80.2
MAX	363	484	337	444	517	541	480	453	339	268	263	436
(WY)	(1965)	(1980)	(1962)	(1998)	(1998)	(1979)	(1957)	(1976)	(1967)	(1989)	(1994)	(1979)
MIN	17.1	27.9	42.4	33.8	71.9	60.9	63.2	59.8	35.7	25.3	25.1	16.0
(WY)	(1955)	(1955)	(1956)	(1956)	(1986)	(1988)	(1986)	(1986)	(1988)	(1986)	(2002)	(1954)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1954 - 2003	
ANNUAL TOTAL	37,292		63,654		141	
ANNUAL MEAN	102		174		71.9	
HIGHEST ANNUAL MEAN					204	1979
LOWEST ANNUAL MEAN					71.9	1988
HIGHEST DAILY MEAN	1,710	Sep 27	1,370	May 6	4,390	Feb 13, 1966
LOWEST DAILY MEAN	13	Sep 13	52	Sep 21	13	Sep 13, 1998
ANNUAL SEVEN-DAY MINIMUM	15	Sep 7	61	Sep 15	13	Sep 12, 1998
MAXIMUM PEAK FLOW			2,810	Jul 2	12,000*	May 28, 1973
MAXIMUM PEAK STAGE			5.41	Jul 2	11.19	May 28, 1973
INSTANTANEOUS LOW FLOW			51*	Sep 21	12*	Jan 9, 1956
ANNUAL RUNOFF (CFSM)	1.98		3.39		2.74	
ANNUAL RUNOFF (INCHES)	26.94		45.98		37.29	
10 PERCENT EXCEEDS	187		279		264	
50 PERCENT EXCEEDS	82		144		99	
90 PERCENT EXCEEDS	26		79		35	

e Estimated.  
 \* See REMARKS.

