

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.--No estimated daily discharges. Records good. Maximum discharge for current water year and period of record, from rating curve extended above 6,000 ft<sup>3</sup>/s, on basis of slope-area measurement of peak flow. Minimum discharge for period of record also occurred Dec. 11, 1981, result of freezeup, and Oct. 9, 1994.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Sep 8	0245	11,700	12.03	Sep 17	0245	12,900	13.05

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	78	79	169	125	73	112	83	108	83	88	231	81
2	75	76	158	120	92	125	78	143	73	76	224	288
3	72	74	149	116	172	132	76	126	72	76	209	149
4	69	72	160	113	129	121	76	110	74	81	164	115
5	68	142	163	130	121	118	73	105	68	68	149	99
6	66	183	147	122	956	171	71	101	65	67	136	108
7	66	144	136	110	553	148	70	96	64	59	116	3,530
8	68	124	130	109	341	137	69	96	65	55	106	6,200
9	103	112	125	106	266	129	68	132	67	60	97	1,560
10	127	106	674	101	228	123	66	109	64	90	91	904
11	117	100	439	97	201	117	67	98	65	67	86	621
12	107	96	310	95	205	111	95	95	58	60	100	471
13	95	93	261	92	185	107	573	193	59	56	91	386
14	90	86	301	90	173	103	279	182	59	53	81	332
15	92	84	253	88	174	106	206	139	130	50	77	298
16	85	81	227	85	163	113	177	132	94	48	76	699
17	82	80	239	84	155	103	158	147	73	48	72	5,350
18	80	88	209	99	147	105	144	145	65	55	69	1,740
19	76	2,390	197	87	142	102	132	133	60	46	65	1,150
20	74	627	183	79	138	97	124	122	57	45	70	850
21	72	399	171	78	142	102	116	113	59	44	65	665
22	71	307	165	76	131	93	109	117	67	49	62	528
23	69	253	159	73	127	90	104	117	60	43	70	447
24	68	244	209	74	123	88	100	103	56	44	73	386
25	66	210	166	83	120	86	96	94	64	324	74	341
26	113	188	157	97	118	84	156	89	100	139	63	307
27	152	178	151	95	117	82	129	86	73	202	63	410
28	100	251	144	82	113	80	110	80	80	127	60	2,220
29	90	201	138	81	111	78	104	78	70	174	59	866
30	84	182	145	79	---	81	102	90	68	457	65	622
31	81	---	131	74	---	89	---	108	---	291	89	---
TOTAL	2,656	7,250	6,366	2,940	5,716	3,333	3,811	3,587	2,112	3,142	3,053	31,723
MEAN	85.7	242	205	94.8	197	108	127	116	70.4	101	98.5	1,057
MAX	152	2,390	674	130	956	171	573	193	130	457	231	6,200
MIN	66	72	125	73	73	78	66	78	56	43	59	81
CFSM	1.66	4.69	3.99	1.84	3.83	2.09	2.47	2.25	1.37	1.97	1.91	20.5
IN.	1.92	5.24	4.60	2.12	4.13	2.41	2.75	2.59	1.53	2.27	2.21	22.91

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

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
MEAN	107	132	145	165	203	231	206	156	114	74.4	76.7	99.3
MAX	363	484	337	444	517	541	480	453	339	268	263	1,057
(WY)	(1965)	(1980)	(1962)	(1998)	(1998)	(1979)	(1957)	(1976)	(1967)	(1989)	(1994)	(2004)
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)

03456500 EAST FORK PIGEON RIVER NEAR CANTON, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	66,540		75,689			
ANNUAL MEAN	182		207		143	
HIGHEST ANNUAL MEAN					207	
LOWEST ANNUAL MEAN					71.9	
HIGHEST DAILY MEAN	2,390	Nov 19	6,200	Sep 8	6,200	Sep 8, 2004
LOWEST DAILY MEAN	52	Sep 21	43	Jul 23	13	Sep 13, 1998
ANNUAL SEVEN-DAY MINIMUM	61	Sep 15	47	Jul 18	13	Sep 12, 1998
MAXIMUM PEAK FLOW			12,900*		12,900*	
MAXIMUM PEAK STAGE			13.05		13.05	
INSTANTANEOUS LOW FLOW			41		12*	
ANNUAL RUNOFF (CFSM)	3.54		4.02		2.77	
ANNUAL RUNOFF (INCHES)	48.06		54.67		37.64	
10 PERCENT EXCEEDS	295		303		265	
50 PERCENT EXCEEDS	145		104		100	
90 PERCENT EXCEEDS	79		65		35	

\* See REMARKS.

