

03456500 EAST FORK PIGEON RIVER NEAR CANTON, NC

LOCATION.--Lat 35°27'42", long 82°52'11", 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 mi².

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 6,000 ft³/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.

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	492	114	279	158	99	119	254	137	120	190	148	237
2	413	112	225	150	97	107	354	125	452	194	132	192
3	360	119	207	143	145	105	268	119	287	162	119	166
4	320	369	191	137	114	103	243	114	237	164	113	148
5	288	205	177	131	105	114	221	112	200	152	106	136
6	268	159	182	127	103	110	202	110	181	140	e110	126
7	249	142	208	120	100	109	211	104	163	681	e125	119
8	222	132	184	125	103	238	302	100	207	444	e210	112
9	214	123	285	115	107	161	248	95	196	306	173	105
10	204	118	289	110	104	148	226	120	185	263	155	99
11	184	116	244	106	95	140	210	120	229	492	137	95
12	185	269	220	103	93	132	204	97	1,330	801	123	92
13	192	190	203	172	93	126	246	99	1,370	469	116	87
14	163	163	186	492	107	131	254	92	708	368	112	83
15	168	151	172	244	103	119	225	98	503	312	104	80
16	143	143	164	208	95	132	207	92	383	289	98	84
17	138	138	156	e183	91	130	193	85	312	249	98	82
18	139	134	148	e171	86	118	181	82	277	231	103	74
19	146	135	142	e159	85	116	170	82	281	261	99	70
20	145	120	e137	149	90	111	160	270	249	307	89	68
21	124	114	e133	143	150	107	152	183	219	278	103	66
22	123	112	127	136	139	112	163	150	195	255	108	64
23	121	127	801	e131	117	234	172	134	176	234	108	63
24	120	469	384	e126	132	173	149	121	161	197	86	61
25	119	387	299	e122	121	157	139	112	149	178	81	60
26	112	273	257	117	113	151	136	104	157	163	77	70
27	112	240	225	110	110	163	137	98	183	150	75	69
28	113	256	206	103	134	951	127	96	194	146	77	59
29	130	213	191	110	---	453	124	91	201	209	85	61
30	112	195	179	115	---	339	153	87	170	163	754	58
31	112	---	167	104	---	288	---	83	---	146	375	---
TOTAL	5,931	5,538	6,968	4,620	3,031	5,697	6,031	3,512	9,675	8,594	4,399	2,886
MEAN	191	185	225	149	108	184	201	113	322	277	142	96.2
MAX	492	469	801	492	150	951	354	270	1,370	801	754	237
MIN	112	112	127	103	85	103	124	82	120	140	75	58
CFSM	3.72	3.58	4.36	2.89	2.10	3.57	3.90	2.20	6.26	5.38	2.76	1.87
IN.	4.28	4.00	5.03	3.34	2.19	4.12	4.36	2.54	6.99	6.21	3.18	2.08

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

MEAN	108	133	147	165	201	230	206	155	118	78.3	77.9	99.3
MAX	363	484	337	444	517	541	480	453	339	277	263	1,057
(WY)	(1965)	(1980)	(1962)	(1998)	(1998)	(1979)	(1957)	(1976)	(1967)	(2005)	(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)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL TOTAL	77,854		66,882		143	
ANNUAL MEAN	213		183		71.9	
HIGHEST ANNUAL MEAN					207	2004
LOWEST ANNUAL MEAN					71.9	1988
HIGHEST DAILY MEAN	6,200	Sep 8	1,370	Jun 13	6,200	Sep 8, 2004
LOWEST DAILY MEAN	43	Jul 23	58	Sep 30	13	Sep 13, 1998
ANNUAL SEVEN-DAY MINIMUM	47	Jul 18	63	Sep 24	13	Sep 12, 1998
MAXIMUM PEAK FLOW			2,870	Jun 12	12,900*	Sep 17, 2004
MAXIMUM PEAK STAGE			5.27	Jun 12	13.05	Sep 17, 2004
INSTANTANEOUS LOW FLOW			54	Sep 30	12*	Jan 9, 1956
ANNUAL RUNOFF (CFSM)	4.13		3.56		2.79	
ANNUAL RUNOFF (INCHES)	56.24		48.31		37.85	
10 PERCENT EXCEEDS	321		288		266	
50 PERCENT EXCEEDS	117		143		101	
90 PERCENT EXCEEDS	65		92		36	

* See REMARKS.

e Estimated.

