

TENNESSEE RIVER BASIN

03456500 EAST FORK PIGEON RIVER NEAR CANTON, NC

LOCATION.--Lat 35°27'42", long 82°52'13", 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 sea level (Tennessee Valley Authority bench mark). Satellite and telephone telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum discharge for period of record, from rating curve extended above 5,470 ft³/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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	23	69	e59	93	148	351	89	77	40	32	32
2	25	23	65	e56	89	136	286	83	75	36	31	35
3	25	23	64	e54	84	131	281	79	59	33	29	44
4	24	23	59	e53	81	148	267	78	57	35	38	70
5	23	24	58	e53	79	129	238	76	53	32	42	43
6	23	22	56	e51	75	119	217	74	51	29	37	34
7	23	23	54	58	73	111	199	72	52	27	30	30
8	21	36	53	62	70	107	183	71	65	28	29	28
9	21	318	52	55	68	103	173	70	61	31	27	27
10	23	198	51	e49	79	97	164	69	53	28	49	65
11	23	87	51	e49	69	93	154	68	51	25	61	45
12	22	69	49	62	72	101	146	66	49	24	45	38
13	22	60	48	57	75	143	171	63	45	24	51	34
14	21	55	117	54	90	108	151	61	43	22	47	31
15	21	51	74	56	89	170	150	59	42	20	39	31
16	22	48	139	54	95	177	142	57	41	20	35	28
17	22	54	470	52	186	160	133	56	39	20	33	27
18	23	48	200	80	134	144	126	55	37	20	30	26
19	23	48	166	487	118	133	120	57	35	25	28	27
20	23	47	e128	313	109	141	115	71	35	44	25	58
21	24	43	e117	195	102	149	111	58	48	29	24	36
22	24	42	109	158	119	169	106	57	39	25	23	30
23	24	43	e96	136	116	180	103	58	43	22	22	28
24	24	43	e87	122	106	193	102	52	36	21	22	107
25	26	224	e82	109	261	202	102	106	35	50	22	67
26	26	160	82	101	218	192	95	78	50	56	30	50
27	26	110	81	95	179	172	91	60	51	31	26	45
28	25	90	78	88	162	160	88	59	42	30	24	41
29	24	81	73	84	---	349	85	65	37	57	29	39
30	24	74	e66	134	---	477	87	56	40	65	39	37
31	23	---	e63	101	---	413	---	54	---	38	29	---
TOTAL	727	2190	2957	3137	3091	5255	4737	2077	1441	987	1028	1233
MEAN	23.5	73.0	95.4	101	110	170	158	67.0	48.0	31.8	33.2	41.1
MAX	27	318	470	487	261	477	351	106	77	65	61	107
MIN	21	22	48	49	68	93	85	52	35	20	22	26
CFSM	.46	1.42	1.85	1.96	2.14	3.29	3.07	1.30	.93	.62	.64	.80
IN.	.53	1.58	2.14	2.27	2.23	3.80	3.42	1.50	1.04	.71	.74	.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

MEAN	108	131	144	168	205	236	209	154	115	72.2	76.7	78.7
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	25.9	16.0
(WY)	1955	1955	1956	1956	1986	1988	1986	1986	1988	1986	1998	1954

SUMMARY STATISTICS

FOR 2001 WATER YEAR

WATER YEARS 1954 - 2001

ANNUAL TOTAL	28860		
ANNUAL MEAN	79.1	142	
HIGHEST ANNUAL MEAN		204	1979
LOWEST ANNUAL MEAN		71.9	1988
HIGHEST DAILY MEAN	487	Jan 19	4390
LOWEST DAILY MEAN	20	Jul 15	13
ANNUAL SEVEN-DAY MINIMUM	21	Jul 12	13
MAXIMUM PEAK FLOW	1180	Dec 17	12000*
MAXIMUM PEAK STAGE	3.82	Dec 17	11.19
INSTANTANEOUS LOW FLOW	18	Jul 15	12*
ANNUAL RUNOFF (CFSM)	1.54		2.75
ANNUAL RUNOFF (INCHES)	20.85		37.43
10 PERCENT EXCEEDS	161		265
50 PERCENT EXCEEDS	56		99
90 PERCENT EXCEEDS	24		35

e Estimated.
* See REMARKS.

03456500 EAST FORK PIGEON RIVER NEAR CANTON, NC--Continued

