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 mi^2.

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 poor. Maximum discharge for period of record, from rating curve extended above 5,470 ft^3/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. 12, 13.

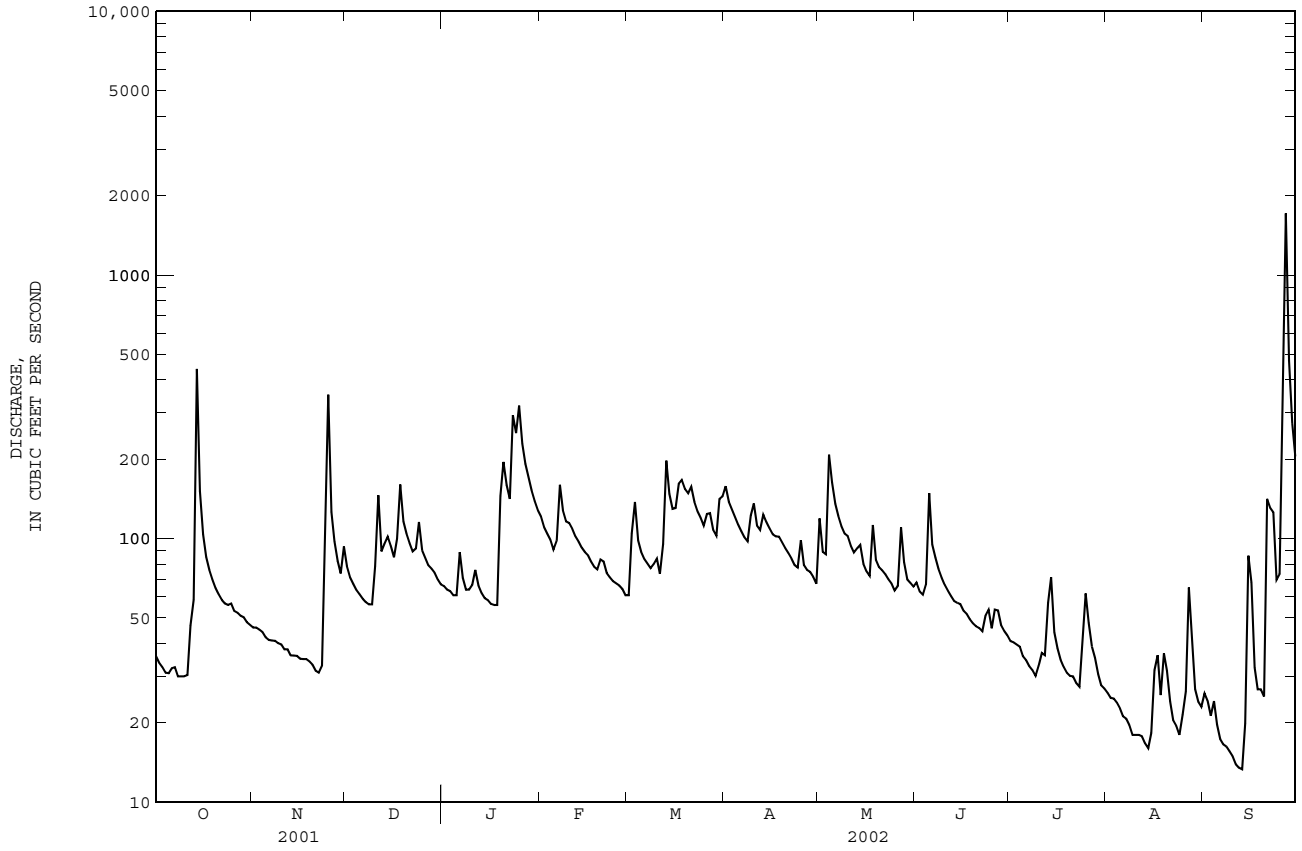
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	46	79	66	121	e61	158	119	68	41	26	26
2	34	46	71	e64	110	105	138	89	63	40	25	24
3	33	45	67	63	104	138	129	87	61	40	25	21
4	31	44	64	e61	99	98	120	208	67	39	24	24
5	31	42	61	e61	91	e89	113	163	149	36	23	20
6	32	41	59	89	98	84	107	136	95	35	21	17
7	32	41	57	71	160	80	101	122	85	33	21	17
8	30	41	56	e64	128	77	98	111	77	32	20	16
9	30	40	56	e64	116	80	123	105	71	30	18	16
10	30	40	79	67	114	84	136	102	67	33	18	15
11	30	38	146	76	109	74	112	94	63	37	18	14
12	47	38	89	66	102	95	108	89	60	36	18	14
13	59	36	96	62	97	197	123	92	58	57	17	13
14	440	36	102	59	92	148	116	95	57	71	16	20
15	152	36	94	58	89	130	109	80	56	44	18	86
16	104	35	85	57	86	131	104	75	53	38	32	68
17	85	35	100	56	82	161	102	72	52	35	36	32
18	76	35	160	56	78	167	102	113	49	33	26	27
19	70	34	116	145	76	154	97	83	48	31	37	27
20	65	33	105	195	83	148	92	78	47	30	32	25
21	62	32	96	160	82	157	88	76	46	30	24	141
22	59	31	89	141	74	138	84	73	45	28	20	131
23	57	33	92	294	71	127	79	70	51	27	19	126
24	56	104	116	251	69	120	78	68	54	41	18	70
25	57	351	90	320	68	112	99	64	46	62	21	73
26	53	126	85	229	66	124	79	66	54	48	26	428
27	52	98	79	192	64	125	76	110	53	39	65	1710
28	51	82	77	171	e61	108	75	81	47	35	41	473
29	50	74	74	152	---	102	72	70	45	31	27	274
30	48	93	70	139	---	141	67	68	43	28	24	205
31	47	---	67	128	---	145	---	66	---	27	23	---
TOTAL	2039	1806	2677	3677	2590	3700	3085	2925	1830	1167	779	4153
MEAN	65.77	60.20	86.35	118.6	92.50	119.4	102.8	94.35	61.00	37.65	25.13	138.4
MAX	440	351	160	320	160	197	158	208	149	71	65	1710
MIN	30	31	56	56	61	61	67	64	43	27	16	13
CFSM	1.28	1.17	1.68	2.30	1.80	2.32	2.00	1.83	1.18	0.73	0.49	2.69
IN.	1.47	1.30	1.93	2.66	1.87	2.67	2.23	2.11	1.32	0.84	0.56	3.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

MEAN	107.4	129.5	142.9	167.0	203.1	233.2	207.1	153.1	114.3	71.52	75.61	79.89
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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1954 - 2002	
ANNUAL TOTAL	29508		30428			
ANNUAL MEAN	80.84		83.36		140.7	
HIGHEST ANNUAL MEAN					204	1979
LOWEST ANNUAL MEAN					71.9	1988
HIGHEST DAILY MEAN	487	Jan 19	1710	Sep 27	4390	Feb 13 1966
LOWEST DAILY MEAN	20	Jul 15	13	Sep 13	13	Sep 13 1998
ANNUAL SEVEN-DAY MINIMUM	21	Jul 12	15	Sep 7	13	Sep 12 1998
MAXIMUM PEAK FLOW			2710	Sep 27	12000*	May 28 1973
MAXIMUM PEAK STAGE			5.32	Sep 27	11.19	May 28 1973
INSTANTANEOUS LOW FLOW			13*	Sep 11	12*	Jan 9 1956
ANNUAL RUNOFF (CFSM)	1.57		1.62		2.73	
ANNUAL RUNOFF (INCHES)	21.31		21.98		37.11	
10 PERCENT EXCEEDS	156		140		264	
50 PERCENT EXCEEDS	59		68		99	
90 PERCENT EXCEEDS	29		26		35	

e Estimated.
* See REMARKS.

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