

03450000 BEETREE CREEK NEAR SWANNANOVA, NC

LOCATION.--Lat 35°39'11", long 82°24'19", Buncombe County, Hydrologic Unit 06010105, on left bank 0.5 mi downstream of Wolfe Branch, 0.8 mi upstream from Beetree Reservoir dam, 3.8 mi north of Swannanoa, and 4.8 mi above mouth.

DRAINAGE AREA.--5.46 mi².

PERIOD OF RECORD.--February 1926 to September 1975, October 1979 to September 1981, October 1985 to September 1986, and May 1987 to current year.

REVISED RECORDS.--WSP 823: Drainage area. WSP 893: 1928, 1936-37 (M). WSP 953: 1929 (M). WSP 1276: 1932.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 2,728.39 ft above NGVD of 1929. Satellite 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 240 ft³/s on basis of computation of peak flow over weir. Minimum discharge for current water year also occurred Sept. 22. Minimum discharge for period of record also occurred July 25, 1996.

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	6.1	5.2	5.4	17	5.3	22	11	9.6	13	7.8	4.7	2.6
2	5.0	4.9	5.1	16	5.1	20	12	10	11	33	4.0	2.4
3	4.3	4.7	4.9	23	5.3	18	11	9.1	14	23	7.4	2.2
4	3.7	4.6	6.1	21	8.0	16	10	8.1	17	21	8.7	2.8
5	3.7	4.8	21	18	6.8	14	12	23	14	26	8.7	2.5
6	3.2	6.7	15	16	6.6	26	11	112	12	21	6.5	2.2
7	2.9	6.4	12	13	6.5	22	11	88	52	19	12	2.1
8	2.6	6.0	10	13	5.6	20	11	58	51	16	13	2.1
9	2.4	5.8	9.1	12	5.1	18	19	42	42	14	10	2.0
10	2.5	6.0	8.9	10	5.8	16	39	33	31	13	8.8	1.9
11	2.7	23	17	8.6	5.4	14	42	28	26	11	7.6	1.8
12	2.4	26	13	7.7	5.3	12	42	24	26	10	6.6	1.7
13	2.2	21	17	7.2	5.0	11	42	21	23	9.8	5.8	1.6
14	2.1	16	17	7.0	6.5	10	32	19	21	8.7	5.4	1.6
15	6.1	12	15	6.3	13	9.3	27	19	19	7.7	5.3	3.1
16	27	25	13	6.1	18	14	23	18	17	6.7	4.7	2.0
17	14	32	12	5.9	20	11	21	16	15	5.9	4.2	1.7
18	9.9	23	11	e5.9	17	12	60	16	16	5.3	3.8	1.5
19	7.7	18	10	e5.7	14	13	40	14	16	4.9	3.5	1.4
20	6.3	15	18	e5.7	13	28	32	13	13	4.5	3.7	1.3
21	5.6	19	15	5.6	12	27	29	13	11	4.0	6.2	1.2
22	5.0	16	13	e5.5	54	22	25	25	10	13	5.1	11
23	4.4	13	12	e5.5	53	19	21	27	8.9	11	4.6	13
24	4.1	12	23	e5.3	36	16	19	25	7.8	7.4	3.9	5.4
25	4.0	10	24	e5.3	29	14	18	22	7.1	6.0	3.6	4.2
26	4.1	8.9	20	e5.1	26	13	16	20	6.4	5.4	3.3	3.6
27	3.8	8.2	17	e5.1	27	11	14	17	5.7	4.8	2.9	8.1
28	4.5	7.1	15	e4.9	25	10	12	15	5.6	4.4	2.7	9.4
29	4.8	6.4	13	e4.9	---	9.5	11	16	5.3	4.5	2.5	6.9
30	5.9	6.0	12	5.7	---	11	10	16	5.2	4.2	2.9	5.7
31	5.5	---	11	5.5	---	9.2	---	15	---	5.1	3.0	---
TOTAL	168.5	372.7	415.5	283.5	439.3	488.0	683	791.8	522.0	338.1	175.1	109.0
MEAN	5.44	12.4	13.4	9.15	15.7	15.7	22.8	25.5	17.4	10.9	5.65	3.63
MAX	27	32	24	23	54	28	60	112	52	33	13	13
MIN	2.1	4.6	4.9	4.9	5.0	9.2	10	8.1	5.2	4.0	2.5	1.2
CFSM	1.00	2.28	2.45	1.67	2.87	2.88	4.17	4.68	3.19	2.00	1.03	0.67
IN.	1.15	2.54	2.83	1.93	2.99	3.32	4.65	5.39	3.56	2.30	1.19	0.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2003,® BY WATER YEAR (WY)

MEAN	6.09	8.21	10.3	13.5	15.5	18.9	16.8	11.9	8.48	6.17	6.47	4.85
MAX	33.9	45.3	25.4	38.5	43.0	43.1	34.2	28.5	27.0	37.9	61.8	21.3
(WY)	(1930)	(1980)	(1933)	(1937)	(1990)	(1975)	(1936)	(1973)	(1949)	(1949)	(1940)	(1928)
MIN	0.65	1.23	1.58	1.99	4.46	5.25	5.21	4.68	1.82	1.18	0.83	0.51
(WY)	(1955)	(1955)	(1940)	(1940)	(1941)	(1988)	(1986)	(1948)	(1988)	(1998)	(1998)	(1954)

03450000 BEETREE CREEK NEAR SWANNANOVA, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1926 - 2003 [®]	
ANNUAL TOTAL	2,617.57		4,786.5		10.6	
ANNUAL MEAN	7.17		13.1		5.37	
HIGHEST ANNUAL MEAN					17.8	1949
LOWEST ANNUAL MEAN					5.37	2002
HIGHEST DAILY MEAN	39	Jan 25	112	May 6	528	Aug 13, 1940
LOWEST DAILY MEAN	0.37	Sep 12	1.2	Sep 21	0.30	Sep 30, 1954
ANNUAL SEVEN-DAY MINIMUM	0.44	Sep 7	1.7	Sep 15	0.40	Sep 24, 1954
MAXIMUM PEAK FLOW			165	May 6	1,370*	Aug 13, 1940
MAXIMUM PEAK STAGE			3.84	May 6	6.20	Aug 13, 1940
INSTANTANEOUS LOW FLOW			1.1*	Sep 21	0.28*	Jul 24, 1996
ANNUAL RUNOFF (CFSM)	1.31		2.40		1.94	
ANNUAL RUNOFF (INCHES)	17.83		32.61		26.40	
10 PERCENT EXCEEDS	16		26		22	
50 PERCENT EXCEEDS	5.2		10		7.2	
90 PERCENT EXCEEDS	1.0		3.4		1.6	

e Estimated.
[®] See PERIOD OF RECORD.
 * See REMARKS.

