

## 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 mi<sup>2</sup>.

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 2,726.39 ft above NGVD of 1929. Prior to May 5, 2005, at site 70 ft upstream at datum 2,728.39 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record from rating curve extended above 240 ft<sup>3</sup>/s on basis of computation of peak flow over weir. Minimum discharge for period of record also occurred July 25, 1996.

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	19	9.5	19	14	7.7	14	23	15	6.1	15	13	28
2	17	9.8	17	13	7.1	13	32	14	8.1	13	11	22
3	16	11	16	13	9.9	13	32	12	6.5	13	10	19
4	15	28	15	12	9.0	13	35	11	6.2	12	10	16
5	14	23	14	12	9.0	13	33	11	5.9	13	11	14
6	13	18	15	12	8.7	13	28	9.8	6.1	13	10	13
7	13	16	16	11	8.1	13	25	8.9	5.7	75	13	12
8	12	14	14	11	8.2	16	26	8.1	25	74	51	11
9	12	13	21	10	8.4	14	23	7.5	10	43	55	10
10	11	12	24	9.8	8.7	13	21	7.0	8.1	31	49	9.5
11	11	11	25	e9.6	e7.6	13	18	6.6	8.2	31	32	9.0
12	11	29	22	e9.4	e7.2	13	18	6.0	20	39	24	8.7
13	13	26	21	13	e7.6	13	21	5.5	80	35	23	8.1
14	12	21	19	31	e8.4	13	27	5.9	60	36	20	7.7
15	11	19	17	21	e8.4	11	24	6.7	37	33	17	7.4
16	10	17	16	18	e8.6	12	21	5.9	26	28	15	7.5
17	9.5	15	15	15	e8.0	12	19	5.5	21	24	13	7.3
18	9.4	14	14	14	e7.2	12	17	5.3	23	21	21	6.8
19	11	13	14	13	e6.8	12	15	5.2	20	18	17	6.5
20	10	13	13	13	7.2	11	13	12	26	24	14	6.3
21	10	12	13	13	29	11	13	8.6	25	21	12	6.1
22	9.7	11	13	12	29	12	14	7.7	21	18	38	6.0
23	9.6	13	52	12	22	20	15	7.4	18	16	52	5.9
24	11	27	36	e11	20	18	14	6.9	15	14	34	5.6
25	9.9	31	28	11	17	17	15	6.5	13	13	27	5.6
26	9.6	26	23	11	15	16	16	6.2	12	11	23	7.2
27	9.8	22	20	10	14	16	17	5.9	19	11	20	6.5
28	9.9	20	18	9.2	16	42	16	5.8	17	11	18	5.5
29	10	18	17	8.8	---	39	16	5.5	18	14	16	5.3
30	10	17	16	9.8	---	31	16	5.2	17	12	45	5.0
31	9.7	---	15	8.8	---	26	---	5.0	---	15	39	---
TOTAL	359.1	529.3	598	391.4	323.8	505	623	239.6	583.9	747	753	288.5
MEAN	11.6	17.6	19.3	12.6	11.6	16.3	20.8	7.73	19.5	24.1	24.3	9.62
MAX	19	31	52	31	29	42	35	15	80	75	55	28
MIN	9.4	9.5	13	8.8	6.8	11	13	5.0	5.7	11	10	5.0
CFSM	2.12	3.23	3.53	2.31	2.12	2.98	3.80	1.42	3.56	4.41	4.45	1.76
IN.	2.45	3.61	4.07	2.67	2.21	3.44	4.24	1.63	3.98	5.09	5.13	1.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2005,<sup>@</sup> BY WATER YEAR (WY)

MEAN	6.15	8.44	10.5	13.4	15.4	18.7	16.8	11.8	8.63	6.43	6.72	6.10
MAX	33.9	45.3	25.4	38.5	43.0	43.1	34.2	28.5	27.0	37.9	61.8	91.8
(WY)	(1930)	(1980)	(1933)	(1937)	(1990)	(1975)	(1936)	(1973)	(1949)	(1949)	(1940)	(2004)
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)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1926 - 2005 <sup>@</sup>	
ANNUAL TOTAL	6,464.8		5,941.6		10.8	
ANNUAL MEAN	17.7		16.3		5.37	
HIGHEST ANNUAL MEAN					17.8	1949
LOWEST ANNUAL MEAN					5.37	2002
HIGHEST DAILY MEAN	504	Sep 17	80	Jun 13	528	Aug 13, 1940
LOWEST DAILY MEAN	3.0	Jul 29	5.0	May 31	0.30	Sep 30, 1954
ANNUAL SEVEN-DAY MINIMUM	3.5	Jul 23	5.7	May 26	0.40	Sep 24, 1954
MAXIMUM PEAK FLOW			203	Aug 22	1,370*	Aug 13, 1940
MAXIMUM PEAK STAGE			2.83	Aug 22	6.20	Aug 13, 1940
INSTANTANEOUS LOW FLOW			4.7	Sep 30	0.28*	Jul 24, 1996
ANNUAL RUNOFF (CFSM)	3.24		2.98		1.97	
ANNUAL RUNOFF (INCHES)	44.05		40.48		26.79	
10 PERCENT EXCEEDS	25		28		22	
50 PERCENT EXCEEDS	10		13		7.4	
90 PERCENT EXCEEDS	5.2		7.0		1.6	

<sup>@</sup> See PERIOD OF RECORD.

\* See REMARKS.

e Estimated.

