

TENNESSEE RIVER BASIN

03450000 BEETREE CREEK NEAR SWANNANOVA, NC

LOCATION.--Lat 35°39'11", long 82°24'20", 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 2,728.39 ft above sea level. 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 current water year also occurred several days in Oct. Minimum discharge for period of record also occurred July 25, 1996.

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	1.4	1.1	3.7	3.9	6.2	12	32	7.2	7.0	11	12	2.5
2	1.3	1.1	3.6	e3.8	5.9	11	27	7.0	6.3	8.3	11	2.3
3	1.3	1.2	3.4	e3.8	5.5	10	27	6.6	5.4	7.9	10	3.2
4	1.2	1.2	3.2	e3.8	5.3	14	26	7.0	5.0	14	22	3.7
5	1.2	1.2	3.2	e3.6	5.2	17	24	7.9	4.6	16	20	2.7
6	1.2	1.1	3.0	e3.6	4.9	15	22	7.3	4.2	11	15	2.4
7	1.1	1.2	2.9	e3.6	4.7	13	20	6.9	4.1	8.3	12	2.2
8	1.1	1.4	2.9	4.0	4.6	13	18	6.7	6.5	8.0	10	2.0
9	1.1	11	2.8	e3.8	4.5	13	16	6.6	5.2	7.7	8.2	1.9
10	1.1	9.5	2.8	e3.6	5.3	13	15	6.3	4.7	6.1	11	2.7
11	1.1	5.1	2.7	e3.5	4.5	12	14	5.9	5.5	5.1	13	2.3
12	1.1	4.4	2.6	3.7	4.8	13	13	5.7	4.5	4.4	11	2.0
13	1.1	3.9	2.5	3.8	5.5	17	17	5.4	4.1	4.1	10	1.9
14	1.0	3.6	3.7	4.3	6.9	15	15	5.1	3.7	3.6	8.4	1.8
15	1.0	3.3	3.1	4.3	6.8	23	15	5.0	4.1	3.2	6.9	1.7
16	1.0	3.3	6.0	4.2	8.1	22	14	4.8	4.1	3.0	6.0	1.5
17	1.0	3.4	16	4.0	16	20	13	4.6	3.3	2.7	5.3	1.4
18	1.0	3.1	9.4	7.2	12	17	13	4.4	3.0	2.5	4.6	1.4
19	1.0	3.1	8.5	45	11	15	12	5.3	2.8	2.7	4.0	1.6
20	1.0	3.0	e7.3	36	9.8	20	11	5.5	2.9	2.9	3.6	2.6
21	1.1	2.8	e6.6	23	9.5	24	11	4.6	3.3	2.7	3.3	1.7
22	1.1	2.7	e6.1	18	10	21	10	5.0	3.3	2.5	3.0	1.4
23	1.1	2.8	e5.5	14	9.8	22	9.7	4.7	3.8	2.2	2.8	1.4
24	1.1	3.0	e5.1	12	9.0	23	9.4	4.1	3.1	2.2	4.8	6.3
25	1.6	6.4	e4.5	9.9	16	22	9.0	7.9	5.6	6.3	3.0	3.6
26	1.7	5.7	e4.2	8.9	17	20	8.6	6.1	8.2	5.9	2.7	2.7
27	1.4	4.7	e3.9	8.1	15	18	8.1	5.1	6.5	4.5	2.6	2.3
28	1.3	4.3	e3.9	7.2	13	16	7.8	5.0	13	4.4	2.4	2.1
29	1.2	4.1	e3.9	6.8	---	27	7.3	4.9	18	16	2.3	1.9
30	1.2	3.8	3.9	8.1	---	42	7.3	4.4	12	26	2.2	1.8
31	1.1	---	3.9	6.8	---	36	---	4.3	---	17	2.1	---
TOTAL	36.2	106.5	144.8	276.3	236.8	576	452.2	177.3	167.8	222.2	235.2	69.0
MEAN	1.17	3.55	4.67	8.91	8.46	18.6	15.1	5.72	5.59	7.17	7.59	2.30
MAX	1.7	11	16	45	17	42	32	7.9	18	26	22	6.3
MIN	1.0	1.1	2.5	3.5	4.5	10	7.3	4.1	2.8	2.2	2.1	1.4
CFSM	.21	.65	.86	1.63	1.55	3.40	2.76	1.05	1.02	1.31	1.39	.42
IN.	.25	.73	.99	1.88	1.61	3.92	3.08	1.21	1.14	1.51	1.60	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2001,® BY WATER YEAR (WY)

	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	
MEAN	6.16	8.25	10.4	13.6	15.6	19.1	16.8	11.8	8.42	6.16	6.56	4.88																			
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	.65	1.23	1.58	1.99	4.46	5.25	5.21	4.68	1.82	1.18	.83	.51																			
(WY)	1955	1955	1940	1940	1941	1988	1986	1948	1988	1998	1998	1954																			

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1926 - 2001®

ANNUAL TOTAL	2984.0	2700.3	
ANNUAL MEAN	8.15	7.40	10.6
HIGHEST ANNUAL MEAN			17.8
LOWEST ANNUAL MEAN			6.18
HIGHEST DAILY MEAN	83	45	528
LOWEST DAILY MEAN	1.0	1.0	.30
ANNUAL SEVEN-DAY MINIMUM	1.0	1.0	.40
MAXIMUM PEAK FLOW		92	1370*
MAXIMUM PEAK STAGE		3.56	6.20
INSTANTANEOUS LOW FLOW		.98*	.28*
ANNUAL RUNOFF (CFSM)	1.49	1.35	1.95
ANNUAL RUNOFF (INCHES)	20.33	18.40	26.50
10 PERCENT EXCEEDS	19	16	22
50 PERCENT EXCEEDS	5.2	4.8	7.3
90 PERCENT EXCEEDS	1.3	1.4	1.6

e Estimated.  
® See PERIOD OF RECORD.  
\* See REMARKS.

03450000 BEETREE CREEK NEAR SWANNANOVA, NC--Continued

