

TENNESSEE RIVER BASIN

0344894205 NORTH FORK SWANNANOVA RIVER NEAR WALKERTOWN, NC

LOCATION.--Lat 35°41'07", long 82°19'58", Buncombe County, Hydrologic Unit 06010105, on left bank 400 ft downstream of Sugar Springs Cove, 0.6 mi upstream from Burnette Reservoir, and 2.3 mi north of Walkertown.

DRAINAGE AREA.--14.5 mi².

PERIOD OF RECORD.--February 1989 to current year.

REVISED RECORDS.--WDR NC-91-1: 1989(M).

GAGE.--Water-stage recorder. Elevation of gage is 2,650 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those above 1,000 ft³/s which are fair. Minimum discharge for period of record also occurred Sept. 15, 16, 18, 19, 1998, Oct. 3, 4, 1998. Minimum discharge for current water year also occurred Oct. 15, 16, 17, 18, 19, 20.

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	6.8	4.9	12	11	24	39	99	22	25	41	37	9.5
2	6.5	4.9	11	11	22	36	77	21	31	30	32	10
3	6.1	4.9	10	11	21	34	77	20	23	28	29	40
4	5.9	5.0	9.7	11	20	54	92	26	21	35	42	34
5	5.6	5.0	9.3	11	19	68	77	31	19	45	45	22
6	5.4	4.9	8.8	10	18	52	70	24	17	31	36	17
7	5.3	5.5	8.5	9.3	18	45	62	22	16	25	31	14
8	5.1	6.1	8.2	10	17	42	54	22	22	24	32	13
9	5.1	94	8.0	9.2	17	40	48	21	21	23	26	12
10	5.3	61	7.8	9.0	20	37	43	20	18	20	24	15
11	5.3	23	7.7	8.8	18	35	40	19	26	18	27	14
12	5.0	17	7.4	10	19	43	37	18	20	16	25	12
13	4.8	14	7.4	9.0	22	72	51	17	17	15	23	11
14	4.6	12	18	9.0	35	50	44	16	17	13	25	11
15	4.5	11	14	9.8	35	56	42	16	17	12	20	10
16	4.4	11	54	10	38	59	39	15	15	12	18	9.1
17	4.4	11	115	9.4	73	54	37	15	13	11	16	8.6
18	4.4	9.9	42	22	46	47	35	14	12	10	15	8.2
19	4.5	9.6	33	279	38	41	34	14	11	11	13	8.7
20	4.6	9.1	26	125	34	47	33	16	19	12	12	13
21	4.7	8.4	23	69	32	50	32	14	20	11	11	9.7
22	4.9	7.8	19	53	32	47	30	15	15	10	11	8.5
23	4.9	8.0	18	43	32	51	29	15	17	9.3	9.8	8.0
24	4.9	8.1	17	37	30	55	27	14	14	9.3	12	29
25	5.3	18	15	32	79	56	27	28	34	16	9.8	22
26	6.7	22	14	29	66	52	25	25	66	21	9.4	16
27	5.6	17	14	26	52	46	24	20	43	21	8.9	13
28	5.3	15	13	24	44	42	23	18	38	22	8.5	11
29	5.1	14	12	23	---	115	22	17	40	83	8.0	10
30	5.0	12	11	30	---	153	22	16	33	99	9.2	9.6
31	4.9	---	11	26	---	121	---	15	---	51	9.1	---
TOTAL	160.9	454.1	584.8	986.5	921	1739	1352	586	700	784.6	634.7	428.9
MEAN	5.19	15.1	18.9	31.8	32.9	56.1	45.1	18.9	23.3	25.3	20.5	14.3
MAX	6.8	94	115	279	79	153	99	31	66	99	45	40
MIN	4.4	4.9	7.4	8.8	17	34	22	14	11	9.3	8.0	8.0
CFSM	.36	1.04	1.30	2.19	2.27	3.87	3.11	1.30	1.61	1.75	1.41	.99
IN.	.41	1.17	1.50	2.53	2.36	4.46	3.47	1.50	1.80	2.01	1.63	1.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	27.4	32.3	40.9	63.8	61.3	72.8	54.4	44.7	35.0	23.1	30.7	17.8	
MAX	79.1	84.6	79.8	134	120	111	82.2	74.4	78.0	63.0	123	64.3	
(WY)	1996	1993	1993	1995	1990	1993	1998	1992	1995	1999	1994	1989	
MIN	2.49	4.88	14.8	28.2	30.2	39.5	18.6	18.9	13.5	5.71	3.96	1.92	
(WY)	1999	1999	1999	2000	1999	1999	1995	2001	1998	1998	1998	1998	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	10236.4		9332.5			
ANNUAL MEAN	28.0		25.6		41.5	
HIGHEST ANNUAL MEAN					51.9	
LOWEST ANNUAL MEAN					24.9	
HIGHEST DAILY MEAN	261	Apr 4	279	Jan 19	1740	Jan 14 1995
LOWEST DAILY MEAN	4.4	Oct 16	4.4	Oct 16	1.5	Sep 14 1998
ANNUAL SEVEN-DAY MINIMUM	4.5	Oct 14	4.5	Oct 14	1.6	Sep 12 1998
MAXIMUM PEAK FLOW			709		4600	
MAXIMUM PEAK STAGE			5.23		8.19	
INSTANTANEOUS LOW FLOW			4.4*		1.5*	
ANNUAL RUNOFF (CFSM)	1.93		1.76		2.86	
ANNUAL RUNOFF (INCHES)	26.26		23.94		38.86	
10 PERCENT EXCEEDS	58		51		82	
50 PERCENT EXCEEDS	17		18		28	
90 PERCENT EXCEEDS	5.9		6.3		6.7	

* See REMARKS.

0344894205 NORTH FORK SWANNANOA RIVER NEAR WALKERTOWN, NC--Continued

