

0344894205 NORTH FORK SWANNAHOA 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 NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those above 2,000 ft³/s which are fair. Maximum discharge for period of record from rating curve extended above 2,000 ft³/s by logarithmic plotting. 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 Sept. 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	9.0	10	20	16	33	15	88	35	18	12	4.5	3.3
2	8.6	10	16	15	29	19	65	31	17	11	4.4	3.8
3	8.1	9.7	14	14	27	23	54	33	17	11	4.5	3.8
4	7.6	9.0	13	14	25	18	46	52	16	11	4.0	3.3
5	7.5	8.6	12	14	22	17	41	50	26	9.4	3.8	2.9
6	7.6	8.4	11	17	24	17	36	42	34	8.7	3.6	2.6
7	7.2	8.3	11	14	55	17	33	38	46	8.4	3.3	2.5
8	7.0	8.0	10	13	49	16	31	34	28	8.2	3.2	2.4
9	7.0	7.6	10	13	44	17	44	31	24	7.9	2.9	2.3
10	6.9	7.6	32	15	43	17	55	29	21	7.6	2.8	2.1
11	7.0	7.3	75	17	42	16	42	26	19	7.6	2.8	1.8
12	9.6	7.3	36	16	36	21	38	25	18	7.6	2.8	1.8
13	11	7.3	38	14	32	41	47	31	18	14	2.7	1.8
14	68	7.3	39	14	29	34	51	34	18	15	2.4	3.0
15	34	7.3	32	14	28	30	46	28	16	12	15	15
16	22	7.0	27	13	26	35	41	26	15	9.4	10	11
17	19	7.0	51	13	24	125	45	24	14	8.1	7.3	6.0
18	17	7.0	99	13	22	120	48	46	13	7.5	7.8	4.7
19	15	6.8	55	58	21	78	42	36	12	7.2	5.0	4.3
20	14	6.6	41	72	21	66	37	32	11	7.0	4.5	3.9
21	13	6.5	33	50	21	68	35	29	11	6.9	3.8	14
22	12	6.3	28	42	20	53	32	27	10	6.5	3.5	40
23	12	6.5	30	143	19	44	29	25	10	6.0	3.3	33
24	12	11	41	123	18	39	27	23	10	8.7	3.2	14
25	13	32	30	148	18	34	34	22	9.9	10	3.7	15
26	11	18	27	86	17	41	28	21	29	7.8	3.3	72
27	11	15	24	64	15	50	27	32	16	6.7	4.4	304
28	11	13	22	52	15	40	26	27	15	6.0	3.9	91
29	11	12	20	44	---	36	25	22	13	5.6	3.4	46
30	11	21	18	39	---	59	23	20	12	5.3	3.5	31
31	10	---	17	35	---	84	---	19	---	4.9	3.4	---
TOTAL	420.1	299.4	932	1215	775	1290	1216	950	536.9	265.0	136.7	742.3
MEAN	13.55	9.980	30.06	39.19	27.68	41.61	40.53	30.65	17.90	8.548	4.410	24.74
MAX	68	32	99	148	55	125	88	52	46	15	15	304
MIN	6.9	6.3	10	13	15	15	23	19	9.9	4.9	2.4	1.8
CFSM	0.93	0.69	2.07	2.70	1.91	2.87	2.80	2.11	1.23	0.59	0.30	1.71
IN.	1.08	0.77	2.39	3.12	1.99	3.31	3.12	2.44	1.38	0.68	0.35	1.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	26.38	30.60	40.07	61.91	58.92	70.61	53.41	43.71	33.76	22.08	28.85	18.31		
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	27.7	39.5	18.6	18.9	13.5	5.71	3.96	1.92		
(WY)	1999	1999	1999	2000	2002	1999	1995	2001	1998	1998	1998	1998		

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1989 - 2002

ANNUAL TOTAL	9784.2	8778.4		
ANNUAL MEAN	26.81	24.05	40.13	
HIGHEST ANNUAL MEAN			51.9	1995
LOWEST ANNUAL MEAN			24.1	2002
HIGHEST DAILY MEAN	279	Jan 19	304	Sep 27
LOWEST DAILY MEAN	6.3	Nov 22	1.8	Sep 11
ANNUAL SEVEN-DAY MINIMUM	6.7	Nov 17	2.1	Sep 7
MAXIMUM PEAK FLOW			657	Sep 27
MAXIMUM PEAK STAGE			5.14	Sep 27
INSTANTANEOUS LOW FLOW			1.7*	Sep 12
ANNUAL RUNOFF (CFSM)	1.85		1.66	2.77
ANNUAL RUNOFF (INCHES)	25.10		22.52	37.61
10 PERCENT EXCEEDS	51		47	78
50 PERCENT EXCEEDS	20		16	27
90 PERCENT EXCEEDS	8.8		4.2	6.2

* See REMARKS.

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

