

0344894205 NORTH FORK SWANNANOVA RIVER NEAR WALKERTOWN, NC

LOCATION.--Lat 35°41'07", long 82°19'57", 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 mi<sup>2</sup>.

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 ft<sup>3</sup>/s which are fair and those for estimated daily discharges, which are poor. Maximum discharge for period of record from rating curve extended above 2,000 ft<sup>3</sup>/s by logarithmic plotting. Minimum discharge for period of record also occurred Sept. 15, 16, 18, 19, Oct. 3, 4, 1998.

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	25	26	22	66	21	74	35	38	49	29	38	24
2	21	23	21	57	20	70	38	38	44	175	31	20
3	17	21	20	73	21	61	35	36	54	92	43	19
4	15	19	22	60	39	54	33	33	71	120	56	30
5	14	20	58	53	30	50	39	98	55	123	54	22
6	12	36	44	48	27	122	36	361	48	81	43	19
7	11	33	38	42	26	84	38	212	349	75	57	18
8	10	29	35	39	24	70	43	141	185	60	84	18
9	9.6	26	33	37	23	61	82	105	127	53	90	16
10	9.7	27	33	34	23	54	148	85	93	51	89	16
11	10	131	78	31	22	49	143	73	76	45	79	15
12	9.9	102	57	29	21	45	149	63	69	41	63	15
13	9.3	75	70	28	20	42	147	55	60	49	52	14
14	8.7	55	70	27	25	39	116	50	54	49	46	13
15	17	46	56	25	66	37	94	50	51	42	48	18
16	97	93	50	24	89	54	77	49	48	37	43	15
17	40	104	45	e20	90	46	72	45	43	34	38	13
18	28	71	41	e20	65	49	382	50	43	34	34	13
19	23	57	42	e19	55	79	157	47	48	33	31	12
20	19	48	108	e18	51	146	117	43	42	30	32	12
21	17	66	63	23	52	100	99	42	37	27	39	11
22	16	58	53	21	319	77	84	88	34	91	34	81
23	14	48	46	20	185	65	73	79	31	64	30	87
24	13	43	81	e18	113	57	65	68	28	42	27	36
25	13	38	80	e18	89	51	60	60	26	35	25	27
26	14	34	63	e18	80	47	55	59	25	31	23	23
27	13	32	56	e18	90	43	49	52	23	28	22	36
28	21	28	49	e17	84	40	45	46	23	25	20	47
29	28	26	45	e19	---	38	42	53	22	24	20	32
30	37	25	41	23	---	41	40	61	24	25	20	27
31	32	---	39	21	---	35	---	55	---	40	22	---
TOTAL	624.2	1,440	1,559	966	1,770	1,880	2,593	2,335	1,882	1,685	1,333	749
MEAN	20.1	48.0	50.3	31.2	63.2	60.6	86.4	75.3	62.7	54.4	43.0	25.0
MAX	97	131	108	73	319	146	382	361	349	175	90	87
MIN	8.7	19	20	17	20	35	33	33	22	24	20	11
CFSM	1.39	3.31	3.47	2.15	4.36	4.18	5.96	5.19	4.33	3.75	2.97	1.72
IN.	1.60	3.69	4.00	2.48	4.54	4.82	6.65	5.99	4.83	4.32	3.42	1.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2003, BY WATER YEAR (WY)

MEAN	25.9	31.8	40.8	59.7	59.2	69.9	55.6	45.8	35.7	24.2	29.8	18.8
MAX	79.1	84.6	79.8	134	120	111	86.4	75.3	78.0	63.0	123	64.3
(WY)	(1996)	(1993)	(1993)	(1995)	(1990)	(1993)	(2003)	(2003)	(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)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1989 - 2003	
ANNUAL TOTAL	10,750.1		18,816.2		40.9	
ANNUAL MEAN	29.5		51.6		51.9	
HIGHEST ANNUAL MEAN					24.1	1995
LOWEST ANNUAL MEAN					24.1	2002
HIGHEST DAILY MEAN	304	Sep 27	382	Apr 18	1,740	Jan 14, 1995
LOWEST DAILY MEAN	1.8	Sep 11	8.7	Oct 14	1.5	Sep 14, 1998
ANNUAL SEVEN-DAY MINIMUM	2.1	Sep 7	9.6	Oct 8	1.6	Sep 12, 1998
MAXIMUM PEAK FLOW			979	Apr 18	4,600*	Jan 14, 1995
MAXIMUM PEAK STAGE			5.63	Apr 18	8.19	Jan 14, 1995
INSTANTANEOUS LOW FLOW			8.0	Oct 15	1.5*	Sep 14, 1998
ANNUAL RUNOFF (CFSM)	2.03		3.56		2.82	
ANNUAL RUNOFF (INCHES)	27.58		48.27		38.37	
10 PERCENT EXCEEDS	58		90		80	
50 PERCENT EXCEEDS	22		42		28	
90 PERCENT EXCEEDS	4.2		18		6.7	

e Estimated.  
 \* See REMARKS.

