

0344894205 NORTH FORK SWANNANOVA RIVER NEAR WALKERTOWN, NC

LOCATION.--Lat 35°41'00", long 82°19'59", 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). WDR NC-04-1: 1989-1998(M), 2000(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 for estimated daily discharges, which are fair. Maximum discharge for period of record from rating curve extended above 1,000 ft³/s on basis of slope area measurement of peak flow. Maximum gage height for period of record from floodmark. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	31	77	40	27	44	65	47	22	80	31	97
2	68	30	63	38	27	40	113	43	47	72	29	75
3	62	32	56	37	35	39	92	40	33	67	27	62
4	55	127	51	35	32	38	100	37	30	61	27	53
5	50	83	47	34	32	38	116	35	26	55	31	47
6	46	61	49	33	32	36	103	34	26	50	32	41
7	43	52	52	32	32	37	90	32	24	150	48	37
8	40	46	48	33	32	65	123	30	30	125	185	33
9	38	42	75	31	34	52	99	29	41	86	117	30
10	36	38	84	30	38	48	81	28	40	72	89	28
11	34	36	74	29	33	46	70	27	42	89	65	26
12	33	106	65	28	32	43	66	26	147	122	53	24
13	39	83	60	47	33	43	73	25	269	85	47	22
14	34	66	54	144	36	48	87	26	115	77	44	21
15	32	57	50	70	36	43	73	30	78	174	43	19
16	30	51	48	58	37	43	65	26	62	180	39	18
17	29	47	46	50	35	42	58	25	52	103	36	18
18	28	44	44	45	32	39	53	24	57	82	82	16
19	33	41	42	42	31	39	48	23	60	69	71	15
20	32	38	e40	40	33	37	44	34	88	61	53	14
21	30	36	39	39	97	36	40	30	93	54	45	13
22	29	34	37	37	85	37	42	27	68	51	58	13
23	28	39	162	e34	65	81	46	27	62	46	75	14
24	31	115	87	33	62	60	43	25	52	41	62	13
25	30	104	68	32	57	53	41	23	46	37	53	13
26	28	77	59	32	51	49	46	22	43	34	48	15
27	29	67	53	30	47	53	53	21	146	32	44	14
28	30	65	49	29	49	158	48	21	104	31	40	13
29	36	58	46	29	---	108	49	20	103	40	39	13
30	37	53	44	31	---	84	50	19	96	33	365	12
31	33	---	41	29	---	71	---	19	---	33	154	---
TOTAL	1,181	1,759	1,810	1,251	1,172	1,650	2,077	875	2,102	2,292	2,132	829
MEAN	38.1	58.6	58.4	40.4	41.9	53.2	69.2	28.2	70.1	73.9	68.8	27.6
MAX	78	127	162	144	97	158	123	47	269	180	365	97
MIN	28	30	37	28	27	36	40	19	22	31	27	12
CFSM	2.63	4.04	4.03	2.78	2.89	3.67	4.77	1.95	4.83	5.10	4.74	1.91
IN.	3.03	4.51	4.64	3.21	3.01	4.23	5.33	2.24	5.39	5.88	5.47	2.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

MEAN	26.9	35.5	42.1	56.5	57.2	67.0	55.7	44.1	37.2	27.0	31.6	36.5
MAX	79.1	84.6	79.8	134	120	111	86.4	75.3	78.0	73.9	123	311
(WY)	(1996)	(1993)	(1993)	(1995)	(1990)	(1993)	(2003)	(2003)	(1995)	(2005)	(1994)	(2004)
MIN	2.49	4.88	14.8	27.6	27.7	37.1	18.6	18.9	13.5	5.71	3.96	1.92
(WY)	(1999)	(1999)	(1999)	(2004)	(2002)	(2004)	(1995)	(2001)	(1998)	(1998)	(1998)	(1998)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	21,876		19,130		42.7	
ANNUAL MEAN	59.8		52.4		58.1	
HIGHEST ANNUAL MEAN					2004	
LOWEST ANNUAL MEAN					24.1	
HIGHEST DAILY MEAN	2,310	Sep 8	365	Aug 30	2,310	Sep 8, 2004
LOWEST DAILY MEAN	10	Jul 23	12	Sep 30	1.5	Sep 14, 1998
ANNUAL SEVEN-DAY MINIMUM	12	Jul 17	13	Sep 24	1.6	Sep 12, 1998
MAXIMUM PEAK FLOW			1,080	Jul 15	7,000*	Sep 8, 2004
MAXIMUM PEAK STAGE			5.46	Jul 15	10.33*	Sep 8, 2004
INSTANTANEOUS LOW FLOW			11	Sep 30	1.5*	Sep 14, 1998
ANNUAL RUNOFF (CFSM)	4.12		3.61		2.95	
ANNUAL RUNOFF (INCHES)	56.12		49.08		40.05	
10 PERCENT EXCEEDS	77		89		81	
50 PERCENT EXCEEDS	34		43		30	
90 PERCENT EXCEEDS	20		26		7.2	

* See REMARKS.

e Estimated.

