

02147126 WAXHAW CREEK AT SECONDARY ROAD 1103 NEAR JACKSON, NC

LOCATION.--Lat 34°50'13", long 80°47'30", Union County, Hydrologic Unit 03040103, on right upstream wingwall on Secondary Road 1103, 6 mi upstream from mouth, 6 mi southwest of Jackson and 6.5 mi south of Waxhaw.

DRAINAGE AREA.--35.0 mi².

PERIOD OF RECORD.--May 2002 to September 2003

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 490 ft above NGVD of 1929, from topographic map. Satellite telemetry at site.

REMARKS.--Records poor. Peak stage for period of record and current water year from floodmark. Peak discharge for period of record and current water year from rating curve extended above 1,200 cfs on basis of step-backwater computations. No flow also occurred many days in June, July, Aug., and Sept. 2002, and Oct. 7-10, 2002.

DISCHARGE, CUBIC FEET PER SECOND
FOR PERIOD MAY TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	3.8	9.3	0.00	0.00	28
2	---	---	---	---	---	---	---	4.3	6.6	0.00	0.00	4.7
3	---	---	---	---	---	---	---	4.2	5.6	0.00	0.00	2.0
4	---	---	---	---	---	---	---	6.7	5.4	0.00	0.00	0.92
5	---	---	---	---	---	---	---	8.2	5.1	0.00	0.00	0.13
6	---	---	---	---	---	---	---	5.9	3.4	0.00	0.00	0.00
7	---	---	---	---	---	---	---	3.7	4.9	0.00	0.00	0.00
8	---	---	---	---	---	---	---	2.6	5.4	0.00	0.00	0.00
9	---	---	---	---	---	---	---	2.1	4.3	0.00	0.00	0.00
10	---	---	---	---	---	---	---	1.8	4.1	0.00	0.00	0.00
11	---	---	---	---	---	---	---	1.8	3.5	0.00	0.00	0.00
12	---	---	---	---	---	---	---	2.0	2.3	0.00	0.00	0.00
13	---	---	---	---	---	---	---	1.9	1.7	0.93	0.00	0.00
14	---	---	---	---	---	---	---	3.0	1.5	11	0.00	0.00
15	---	---	---	---	---	---	---	2.5	1.3	3.9	0.00	14
16	---	---	---	---	---	---	---	2.2	0.92	1.9	0.00	100
17	---	---	---	---	---	---	---	2.0	0.57	0.75	0.00	23
18	---	---	---	---	---	---	---	2.9	0.45	0.34	0.00	40
19	---	---	---	---	---	---	---	3.8	0.31	0.06	0.00	7.3
20	---	---	---	---	---	---	---	3.1	0.17	0.00	0.00	3.1
21	---	---	---	---	---	---	---	3.2	0.02	0.00	0.00	1.8
22	---	---	---	---	---	---	---	2.8	0.01	0.00	0.00	1.5
23	---	---	---	---	---	---	---	2.5	0.13	0.00	0.00	1.3
24	---	---	---	---	---	---	---	2.0	0.00	0.00	0.00	0.94
25	---	---	---	---	---	---	---	3.3	0.00	0.00	0.18	0.76
26	---	---	---	---	---	---	---	4.0	0.00	0.00	0.65	1.2
27	---	---	---	---	---	---	---	5.1	0.00	0.00	0.24	1.5
28	---	---	---	---	---	---	---	5.5	0.00	0.00	0.00	1.4
29	---	---	---	---	---	---	---	5.9	0.00	0.00	0.00	1.1
30	---	---	---	---	---	---	---	6.1	0.00	0.00	0.00	0.84
31	---	---	---	---	---	---	---	10	---	0.00	2.8	---
TOTAL	---	---	---	---	---	---	---	118.9	66.98	18.88	3.87	235.49
MEAN	---	---	---	---	---	---	---	3.84	2.23	0.61	0.12	7.85
MAX	---	---	---	---	---	---	---	10	9.3	11	2.8	100
MIN	---	---	---	---	---	---	---	1.8	0.00	0.00	0.00	0.00
CFSM	---	---	---	---	---	---	---	0.11	0.06	0.02	0.00	0.22
IN.	---	---	---	---	---	---	---	0.13	0.07	0.02	0.00	0.25

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

MEAN	---	---	---	---	---	---	---	3.84	2.23	0.61	0.12	7.85
MAX	---	---	---	---	---	---	---	3.84	2.23	0.61	0.12	7.85
(WY)	---	---	---	---	---	---	---	(2002)	(2002)	(2002)	(2002)	(2002)
MIN	---	---	---	---	---	---	---	3.84	2.23	0.61	0.12	7.85
(WY)	---	---	---	---	---	---	---	(2002)	(2002)	(2002)	(2002)	(2002)

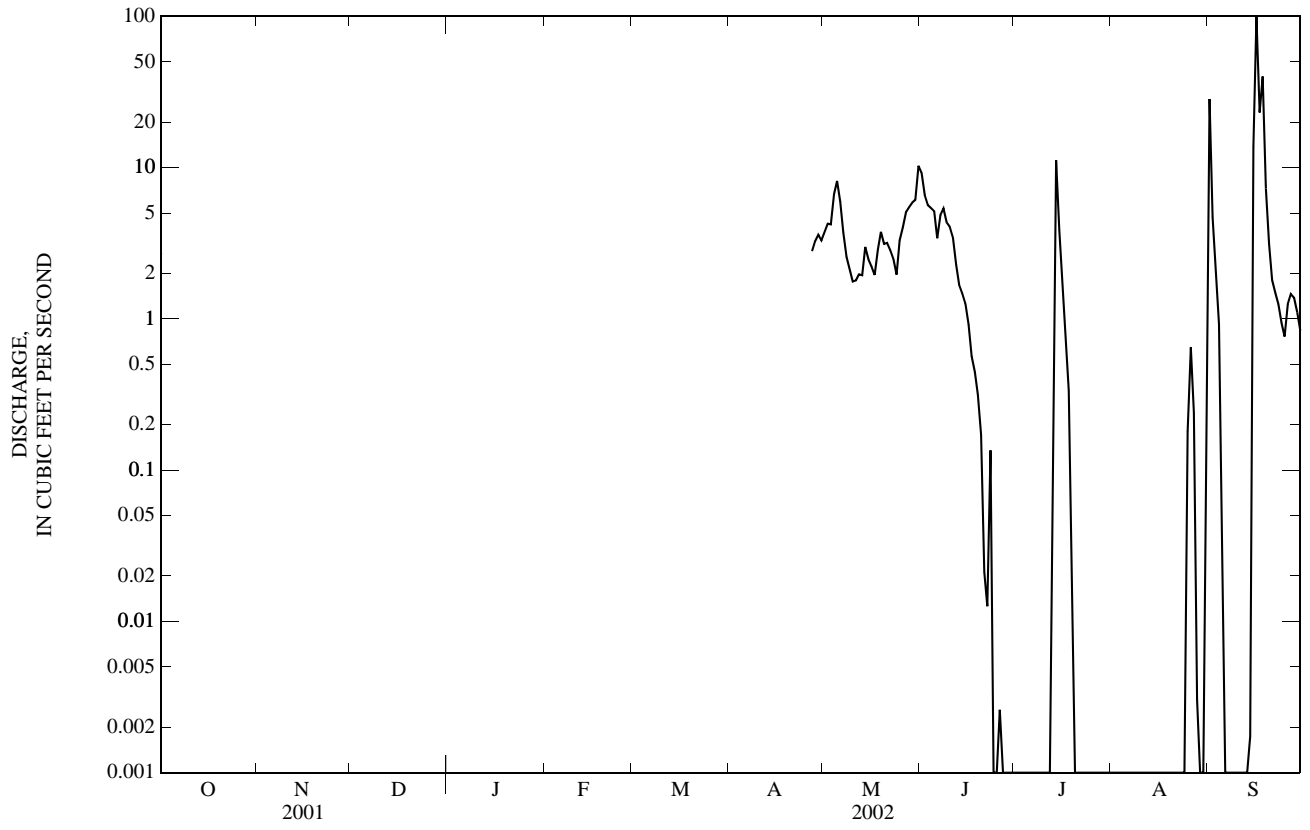
SUMMARY STATISTICS

FOR PERIOD
MAY TO SEPTEMBER 2002

HIGHEST DAILY MEAN	100	Sep 16
LOWEST DAILY MEAN	0.00	Jun 24
MAXIMUM PEAK FLOW	132	Sep 16
MAXIMUM PEAK STAGE	4.61	Sep 16
INSTANTANEOUS LOW FLOW	0.00*	Jun 24

* See REMARKS.

02147126 WAXHAW CREEK AT SECONDARY ROAD 1103 NEAR JACKSON, NC—Continued



02147126 WAXHAW CREEK AT SECONDARY ROAD 1103 NEAR JACKSON, NC—Continued

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	0.72	3.6	6.4	e15	54	99	38	11	6.7	17	31	5.1
2	0.66	3.6	7.3	17	32	231	26	11	6.1	469	11	4.5
3	0.64	3.5	6.0	16	23	97	e22	12	6.0	346	22	3.9
4	0.52	3.6	6.0	16	22	e40	e20	17	8.3	26	63	3.7
5	0.35	4.6	26	16	25	e30	18	15	7.8	14	224	3.8
6	0.12	17	78	12	19	742	17	83	6.0	10	131	3.5
7	0.00	17	30	11	184	521	263	280	59	8.4	58	3.3
8	0.00	7.0	17	10	129	62	341	54	312	7.2	18	3.4
9	0.00	4.6	13	9.4	38	40	948	24	35	6.4	12	3.3
10	0.00	4.2	10	8.8	38	31	1,270	16	15	6.2	25	3.1
11	33	32	20	7.4	48	26	e960	13	10	8.3	16	2.7
12	116	203	27	6.6	30	e20	e120	11	9.5	7.2	9.8	2.6
13	51	241	194	6.3	22	e30	51	9.1	9.6	142	8.5	2.6
14	38	41	496	e6.0	20	78	e45	7.8	7.7	288	8.9	2.5
15	9.4	19	62	e6.0	19	36	e30	7.4	6.6	33	93	2.5
16	33	22	30	6.1	31	470	e25	9.4	6.0	16	24	2.3
17	25	165	19	8.4	129	164	e30	9.4	49	11	180	2.2
18	7.1	144	15	7.5	60	127	e310	8.8	411	8.1	34	2.0
19	4.1	38	14	7.1	54	122	e500	8.9	87	11	15	2.0
20	3.3	21	31	6.9	35	e1,600	e90	8.5	21	9.2	11	1.9
21	3.4	16	48	e7.0	26	e400	e70	7.7	13	7.4	9.4	1.9
22	3.2	13	23	e8.0	185	79	e45	58	9.5	6.7	7.8	2.0
23	2.8	9.8	e15	e9.0	641	43	e35	267	7.6	8.8	6.7	54
24	2.6	8.3	e150	e8.0	68	33	e25	51	6.4	13	6.1	28
25	2.7	7.8	452	e8.0	34	26	19	40	5.5	7.6	5.7	6.2
26	3.0	7.4	127	7.6	27	e26	26	24	4.9	5.6	5.2	4.1
27	2.8	7.5	37	8.6	222	e24	19	15	4.6	4.9	4.9	3.4
28	2.7	9.3	25	e5.00	691	21	15	12	4.7	4.6	4.5	3.2
29	3.7	7.4	20	e6.8	---	18	13	10	5.1	4.1	4.2	2.8
30	4.2	7.6	17	53	---	e80.0	11	8.8	4.9	4.5	3.9	2.6
31	4.1	---	e15	239	---	e140	---	7.5	---	132	5.2	---
TOTAL	358.11	1,088.8	2,036.7	559.50	2,906	5,456.0	5,402	1,117.3	1,145.5	1,643.2	1,058.8	169.1
MEAN	11.6	36.3	65.7	18.0	104	176	180	36.0	38.2	53.0	34.2	5.64
MAX	116	241	496	239	691	1,600	1,270	280	411	469	224	54
MIN	0.00	3.5	6.0	5.0	19	18	11	7.4	4.6	4.1	3.9	1.9
CFSM	0.33	1.04	1.88	0.52	2.97	5.03	5.14	1.03	1.09	1.51	0.98	0.16
IN.	0.38	1.16	2.16	0.59	3.09	5.80	5.74	1.19	1.22	1.75	1.13	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2002
MEAN	11.6	36.3	65.7	18.0	104	176	180	19.9	20.2	26.8	17.1	6.74
MAX	116	241	496	239	691	1,600	1,270	280	411	469	224	54
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)
MIN	11.6	36.3	65.7	18.0	104	176	180	3.84	2.23	0.61	0.12	5.64
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2003)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 2002 - 2003

ANNUAL TOTAL								22,941.01				
ANNUAL MEAN								62.9				
HIGHEST ANNUAL MEAN										62.9		2003
LOWEST ANNUAL MEAN										62.9		2003
HIGHEST DAILY MEAN				496	Dec 14		e1,600	Mar 20		e1,600	Mar 20,	2003
LOWEST DAILY MEAN				0.00	Jun 24		0.00*	Oct 7		0.00*	Jun 24,	2002
ANNUAL SEVEN-DAY MINIMUM				0.00	Jun 24		0.14	Oct 4		0.00	Jun 24,	2002
MAXIMUM PEAK FLOW							2,880*	Mar 20		2,880*	Mar 20,	2003
MAXIMUM PEAK STAGE							10.71*	Mar 20		10.71*	Mar 20,	2003
INSTANTANEOUS LOW FLOW							0.00*	Oct 7		0.00*	Jun 21,	2002
ANNUAL RUNOFF (CFSM)							1.80			1.80		
ANNUAL RUNOFF (INCHES)							24.38			24.40		
10 PERCENT EXCEEDS							146			146		
50 PERCENT EXCEEDS							15			15		
90 PERCENT EXCEEDS							3.4			3.4		

e Estimated.
* See REMARKS.

02147126 WAXHAW CREEK AT SECONDARY ROAD 1103 NEAR JACKSON, NC—Continued

