

## 02147126 WAXHAW CREEK AT SECONDARY ROAD 1103 NEAR JACKSON, NC

LOCATION.--Lat 34°50'13", long 80°47'30", Union County, Hydrologic Unit 03050103, 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 mi<sup>2</sup>.

PERIOD OF RECORD.--May 2002 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 480.33 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at site.

REMARKS.--No estimated daily discharges. Records fair. Peak stage for period of record from crest-stage gage. Peak discharge for period of record from rating curve extended above 1,200 ft<sup>3</sup>/s on basis of step-backwater computations. No flow also occurred many days in June, July, Aug., and Sept. 2002, and Oct. 7-10, 2002. Minimum discharge for current water year also occurred Sept. 16.

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	20	7.5	13	8.1	18	171	115	11	6.7	9.1	28	1.8
2	17	6.5	15	7.8	14	44	51	9.1	88	8.6	9.6	1.6
3	33	7.1	13	8.0	46	30	36	7.8	66	6.9	4.4	1.6
4	280	9.9	11	7.9	141	24	27	7.2	17	6.4	3.3	1.5
5	41	20	9.3	8.1	40	21	22	7.3	9.6	5.7	2.7	1.3
6	20	13	9.9	8.2	26	18	19	7.5	6.8	5.0	2.4	1.2
7	14	8.8	14	7.9	20	16	18	7.5	5.5	5.6	2.1	1.1
8	11	7.8	14	8.4	18	43	20	7.1	28	10	2.6	1.1
9	9.1	7.8	12	8.1	17	45	25	6.4	84	6.2	6.5	1.0
10	8.0	8.2	8.9	7.5	16	25	19	6.1	25	4.8	9.6	1.1
11	7.0	9.2	102	7.0	13	20	15	8.0	11	4.3	3.7	1.1
12	6.4	12	31	7.0	12	17	17	8.4	7.5	4.1	2.7	0.95
13	7.7	19	21	7.2	11	15	204	6.3	6.7	3.8	2.4	0.83
14	7.2	11	16	215	14	15	258	6.2	6.6	3.7	23	0.76
15	7.3	7.5	13	180	28	14	80	5.9	5.5	3.6	22	0.71
16	7.5	6.5	11	38	20	89	34	5.1	4.5	3.3	5.1	0.69
17	7.0	6.3	11	25	59	457	24	5.0	3.9	3.3	3.6	0.80
18	6.9	6.2	11	18	33	130	20	5.0	3.4	3.0	4.2	0.86
19	8.0	6.1	11	15	18	48	17	5.1	3.2	2.9	8.0	0.87
20	8.0	6.2	9.8	15	15	35	15	9.1	2.9	2.7	6.6	0.87
21	7.2	6.2	8.8	15	22	28	13	11	2.7	2.5	4.0	0.85
22	7.0	6.4	8.8	13	63	25	13	6.7	2.6	2.4	4.0	0.83
23	6.3	9.8	12	12	32	38	13	5.5	2.5	2.3	4.8	0.78
24	7.2	14	15	10	35	44	11	4.8	2.3	2.2	4.7	0.77
25	7.4	17	13	10	50	27	10	4.3	2.0	2.0	3.4	0.77
26	6.9	14	10	11	28	22	9.6	4.1	2.2	1.9	2.7	0.84
27	6.7	10	9.0	10	21	22	10	3.8	2.5	1.7	2.4	0.86
28	6.9	18	8.2	8.9	163	285	9.4	3.5	28	1.6	2.2	0.79
29	8.1	19	8.1	8.9	---	228	8.8	3.3	160	4.7	2.1	0.84
30	8.7	12	8.3	17	---	44	9.2	4.7	17	7.6	2.0	1.0
31	8.7	---	8.2	30	---	52	---	5.4	---	11	2.0	---
TOTAL	607.2	313.0	546.4	753.0	993	2,092	1,143.0	198.2	613.6	142.9	186.8	30.07
MEAN	19.6	10.4	17.6	24.3	35.5	67.5	38.1	6.39	20.5	4.61	6.03	1.00
MAX	280	20	102	215	163	457	258	11	160	11	28	1.8
MIN	6.3	6.1	8.1	7.0	11	14	8.8	3.3	2.0	1.6	2.0	0.69
CFM	0.56	0.30	0.50	0.69	1.01	1.93	1.09	0.18	0.58	0.13	0.17	0.03
IN.	0.65	0.33	0.58	0.80	1.06	2.22	1.21	0.21	0.65	0.15	0.20	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	11.7	17.3	31.4	16.2	58.8	91.3	76.3	12.4	16.6	15.6	17.3	31.7
MAX	19.6	36.3	65.7	24.3	104	176	180	36.0	38.2	53.0	34.2	112
(WY)	(2005)	(2003)	(2003)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	4.06	5.26	10.8	6.15	35.5	30.5	10.6	3.45	2.23	0.61	0.12	1.00
(WY)	(2004)	(2004)	(2004)	(2004)	(2005)	(2004)	(2004)	(2004)	(2002)	(2002)	(2002)	(2005)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	8,692.71		7,619.17		35.0	
ANNUAL MEAN	23.8		20.9		62.9	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					2005	
HIGHEST DAILY MEAN	1,070	Sep 8	457	Mar 17	1,600	Mar 20, 2003
LOWEST DAILY MEAN	0.09	Aug 11	0.69	Sep 16	0.00	Jun 24, 2002
ANNUAL SEVEN-DAY MINIMUM	0.35	Aug 5	0.79	Sep 13	0.00	Jun 24, 2002
MAXIMUM PEAK FLOW			582	Mar 28	2,880*	Mar 20, 2003
MAXIMUM PEAK STAGE			7.22	Mar 28	10.71*	Mar 20, 2003
INSTANTANEOUS LOW FLOW			0.61*	Sep 15	0.00*	Jun 21, 2002
ANNUAL RUNOFF (CFSM)	0.679		0.596		1.00	
ANNUAL RUNOFF (INCHES)	9.24		8.10		13.60	
10 PERCENT EXCEEDS	30		38		58	
50 PERCENT EXCEEDS	7.2		8.7		8.1	
90 PERCENT EXCEEDS	1.2		2.0		1.9	

\* See REMARKS.

