

Water-Data Report 2007

02147126 WAXHAW CREEK AT SECONDARY ROAD 1103 NEAR JACKSON, NC

Santee Basin
Lower Catawba Subbasin

LOCATION.--Lat 34°50'13", long 80°47'30" referenced to North American Datum of 1983, Union County, NC, Hydrologic Unit 03050103, on right upstream wingwall on Secondary Road 1103, 6 mi upstream from mouth, 6 mi southwest of Jackson, 6.5 mi south of Waxhaw.

DRAINAGE AREA.--35 mi².

SURFACE-WATER RECORDS

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.--Records poor. Peak stage for period of record from crest-stage gage. Peak discharge for period of record from rating curve extended above 2,260 ft³/s on basis of step-backwater computations. No flow also occurred many days in June, July, August, September 2002, October 7-10, 2002, August 12, 19, 20 and September 28, 29, 2007.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.08	1.1	8.2	22	33	29	7.1	5.0	1.2	5.2	2.0	0.08
2	0.05	0.84	7.6	35	124	768	7.9	4.7	1.2	2.2	0.88	0.13
3	0.04	0.74	7.0	21	70	192	7.4	4.4	1.6	1.6	0.56	0.43
4	0.05	0.67	6.5	18	30	37	7.1	4.6	1.9	1.4	0.43	0.20
5	0.06	1.2	5.8	20	21	25	6.4	5.0	1.5	1.2	0.35	0.08
6	0.06	1.6	5.4	155	18	19	5.9	6.5	1.3	1.1	0.30	0.03
7	0.08	2.3	5.6	70	17	17	5.6	5.8	1.2	0.95	0.24	0.02
8	0.10	4.1	4.8	326	15	15	5.5	5.1	1.1	1.2	0.19	0.02
9	0.10	4.6	4.4	160	14	14	5.5	4.8	1.0	1.8	0.14	0.02
10	0.10	4.6	4.4	38	13	13	5.6	5.8	0.88	14	0.12	0.02
11	0.09	4.7	4.4	24	12	12	5.9	5.2	9.2	3.6	0.07	0.01
12	0.11	8.1	4.3	20	11	11	9.1	4.6	12	1.7	0.03	0.01
13	0.11	9.7	4.4	18	19	11	8.2	4.3	8.0	1.1	0.04	0.01
14	0.10	8.4	4.4	17	261	10	6.7	3.8	3.2	0.90	0.03	0.05
15	0.09	7.8	4.4	15	65	10	21	3.4	2.3	0.89	0.03	0.37
16	0.09	320	4.2	15	28	12	26	3.3	2.1	0.81	0.04	0.04
17	0.30	187	4.0	13	21	14	11	3.3	1.8	0.70	0.04	0.04
18	0.64	20	3.9	13	18	12	8.4	2.9	1.6	0.69	0.04	0.04
19	0.33	13	3.9	15	15	9.8	8.1	2.8	1.4	0.61	0.02	0.04
20	0.23	9.9	3.7	14	14	9.2	31	2.6	1.4	0.51	0.01	0.04
21	0.15	35	3.7	14	15	8.9	19	2.4	1.4	0.47	0.02	0.05
22	0.12	1,430	37	94	15	8.8	11	2.3	1.2	0.43	0.06	0.06
23	0.09	781	190	55	13	8.7	8.4	2.1	0.96	0.31	0.15	0.05
24	0.10	44	28	28	12	8.4	7.6	2.1	0.88	0.21	0.35	0.04
25	0.09	21	85	20	38	8.2	7.1	1.9	2.2	0.17	0.14	0.03
26	0.09	15	193	17	130	7.9	6.7	1.8	5.8	0.15	0.05	0.02
27	0.49	11	38	15	37	7.7	6.8	1.7	2.6	0.13	0.05	0.01
28	6.4	9.6	24	14	23	7.5	6.3	1.5	1.4	5.2	0.05	0.01
29	5.2	8.4	19	13	---	7.5	5.6	1.5	7.1	0.81	0.04	0.03
30	3.9	7.8	16	12	---	7.3	5.3	1.4	32	7.2	0.10	0.06
31	1.8	---	16	11	---	7.1	---	1.3	---	14	0.22	---
Total	21.24	2,973.15	751.0	1,322	1,102	1,328.0	283.2	107.9	111.42	71.24	6.79	2.04
Mean	0.69	99.1	24.2	42.6	39.4	42.8	9.44	3.48	3.71	2.30	0.22	0.07
Max	6.4	1,430	193	326	261	768	31	6.5	32	14	2.0	0.43
Min	0.04	0.67	3.7	11	11	7.1	5.3	1.3	0.88	0.13	0.01	0.01
Cfsm	0.02	2.83	0.69	1.22	1.12	1.22	0.27	0.10	0.11	0.07	0.01	0.00
In.	0.02	3.16	0.80	1.41	1.17	1.41	0.30	0.11	0.12	0.08	0.01	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.29	30.4	28.1	22.7	46.7	65.6	48.8	9.26	12.9	10.9	11.8	21.6
Max	19.6	99.1	65.7	42.6	104	176	180	36.0	38.2	53.0	34.2	112
(WY)	(2005)	(2007)	(2003)	(2007)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	0.59	0.95	10.8	6.15	17.2	11.0	5.70	2.36	2.23	0.53	0.12	0.07
(WY)	(2006)	(2006)	(2004)	(2004)	(2006)	(2006)	(2006)	(2006)	(2002)	(2006)	(2002)	(2007)

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

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2002 - 2007	
Annual total	5,851.08		8,079.98			
Annual mean	16.0		22.1		27.0	
Highest annual mean					62.9	2003
Lowest annual mean					7.79	2006
Highest daily mean	1,430	Nov 22	1,430	Nov 22	1,600	Mar 20, 2003
Lowest daily mean	0.01	Aug 29	0.01	Aug 20	0.00	Jun 24, 2002
Annual seven-day minimum	0.05	Aug 15	0.02	Sep 7	0.00	Jun 24, 2002
Maximum peak flow			2,280	Nov 22	^a 2,880	Mar 20, 2003
Maximum peak stage			10.12	Nov 22	^a 10.71	Mar 20, 2003
Instantaneous low flow			^a 0.00	Aug 12	^a 0.00	Jun 21, 2002
Annual runoff (cfsm)	0.458		0.632		0.772	
Annual runoff (inches)	6.22		8.59		10.49	
10 percent exceeds	20		28		38	
50 percent exceeds	4.0		4.6		6.9	
90 percent exceeds	0.10		0.05		0.43	

^a See Remarks.

