



Water-Data Report 2010

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.—35.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2002 to October 2008, July 2009 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. Satellite telemetry at streamgage.

REMARKS.--Records fair except those for estimated daily discharges, which are 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 occurs at times most years.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.67	2.0	22	28	12	10	3.4	196	12	99	0.33
2	0.00	0.31	19	16	38	13	9.6	3.1	36	3.6	8.4	e0.36
3	0.00	0.21	205	12	74	19	9.0	5.8	78	2.0	2.9	e0.29
4	0.00	0.18	31	10	35	22	8.8	8.6	21	1.4	1.8	e0.27
5	0.15	0.19	12	9.1	590	16	7.9	5.4	12	1.0	24	e0.23
6	0.03	0.19	8.0	8.4	1,000	13	7.3	3.6	8.0	0.85	165	e0.22
7	0.03	0.21	6.1	7.9	90	12	7.0	2.9	6.6	0.72	11	e0.23
8	0.03	0.21	5.5	8.2	38	11	6.5	2.4	5.7	0.64	3.7	0.20
9	0.02	0.21	99	7.8	29	11	7.4	2.1	4.9	0.60	2.3	0.23
10	0.03	0.69	97	7.2	25	11	6.6	1.9	4.1	0.87	1.6	0.24
11	0.02	82	17	6.6	21	12	5.9	1.9	3.6	1.0	1.3	0.25
12	0.06	244	10	7.3	19	26	5.5	2.0	3.2	1.0	1.0	0.30
13	0.07	18	8.8	7.6	19	345	5.2	1.8	3.5	4.5	0.91	0.30
14	0.05	7.3	8.3	7.6	22	93	4.9	1.6	5.4	4.7	0.81	0.30
15	0.08	3.4	7.5	7.6	23	36	4.8	1.5	3.9	2.8	0.98	0.30
16	0.07	2.3	6.8	7.9	30	23	4.6	1.6	2.9	1.4	15	0.29
17	0.06	1.9	5.9	158	21	19	4.5	14	2.6	1.0	4.0	0.30
18	0.07	1.5	21	146	17	16	4.2	44	2.4	0.84	2.0	0.30
19	0.07	1.3	281	31	15	14	3.9	8.5	2.1	0.69	1.6	0.31
20	0.06	1.3	64	21	14	13	3.8	4.2	1.9	0.70	1.6	0.31
21	0.07	1.2	19	32	13	12	4.1	4.1	1.8	0.65	1.3	0.30
22	0.06	1.3	13	198	23	15	4.1	7.2	1.6	0.44	0.92	0.29
23	0.07	15	10	66	36	14	3.7	5.1	1.5	0.36	0.78	0.28
24	0.07	19	8.8	33	22	12	3.6	3.4	1.4	0.31	1.6	0.28
25	0.10	6.6	248	650	19	11	4.5	5.2	1.3	0.27	1.5	0.26
26	0.08	4.4	772	169	17	11	4.1	6.6	1.1	0.29	1.0	0.37
27	0.18	3.6	46	34	15	10	4.1	2.9	1.1	0.68	0.74	0.52
28	0.52	2.7	22	25	13	9.5	6.9	2.2	0.98	2.1	0.62	0.32
29	0.08	2.3	16	21	---	18	5.0	2.1	1.0	0.82	0.50	0.48
30	0.06	2.0	12	22	---	20	3.9	2.4	1.3	0.47	0.43	1.1
31	0.09	---	17	22	---	12	---	92	---	4.7	0.36	---
Total	2.28	424.17	2,098.7	1,781.2	2,306	881.5	171.4	253.5	416.88	53.40	358.65	9.76
Mean	0.07	14.1	67.7	57.5	82.4	28.4	5.71	8.18	13.9	1.72	11.6	0.33
Max	0.52	244	772	650	1,000	345	10	92	196	12	165	1.1
Min	0.00	0.18	2.0	6.6	13	9.5	3.6	1.5	0.98	0.27	0.36	0.20
Cfsm	0.00	0.40	1.93	1.64	2.35	0.81	0.16	0.23	0.40	0.05	0.33	0.01
In.	0.00	0.45	2.23	1.89	2.45	0.94	0.18	0.27	0.44	0.06	0.38	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2010^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.65	23.7	30.1	25.0	47.3	55.7	39.5	8.26	11.6	7.84	11.0	14.4
Max	19.6	99.1	67.7	57.5	104	176	180	36.0	38.2	53.0	34.2	112
(WY)	(2005)	(2007)	(2010)	(2010)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	0.07	0.05	2.03	3.70	16.1	11.0	3.25	2.32	1.68	0.53	0.12	0.00
(WY)	(2010)	(2008)	(2008)	(2008)	(2008)	(2006)	(2002)	(2008)	(2008)	(2006)	(2002)	(2009)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2002 - 2010 ^a	
Annual total	2,564.04		8,757.44			
Annual mean	13.9		24.0		21.8	
Highest annual mean					62.9	2003
Lowest annual mean					0.46	2009
Highest daily mean	772	Dec 26	1,000	Feb 6	1,600	Mar 20, 2003
Lowest daily mean	0.00	Jul 15	0.00	Oct 1	0.00	Jun 24, 2002
Annual seven-day minimum	0.00	Sep 2	0.03	Oct 1	0.00	Jun 24, 2002
Maximum peak flow			1,820	Feb 6	^b 2,880	Mar 20, 2003
Maximum peak stage			9.59	Feb 6	^b 10.71	Mar 20, 2003
Instantaneous low flow			^b 0.00	Oct 1	^b 0.00	Jun 21, 2002
Annual runoff (cfsm)	0.398		0.686		0.624	
Annual runoff (inches)	2.73		9.31		8.48	
10 percent exceeds	17		32		32	
50 percent exceeds	0.06		4.1		4.8	
90 percent exceeds	0.00		0.21		0.05	

^a See Period of Record.

^b See Remarks.

