



Water-Data Report 2009

0214685800 SIX MILE CREEK NEAR PINEVILLE, NC

Santee Basin
Lower Catawba Subbasin

LOCATION.--Lat 35°00'37.28", long 80°49'42.75" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on right bank 70 ft downstream of Marvin Road, 6.0 mi southeast of Pineville.

DRAINAGE AREA.--20.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2007 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 574.2 above North American Vertical Datum of 1988. Satellite and radio telemetry at streamgage.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for current water year and period of record from rating curve extended above 350 ft³/s. Minimum discharge for current water year and period of record also occurred August 11, 12, September 13, 2009.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.3	e3.5	53	5.6	7.0	348	14	5.0	4.2	1.6	4.1	1.0
2	2.6	e3.3	16	5.6	7.0	260	16	5.1	3.3	1.2	2.3	0.72
3	1.9	e3.7	10	5.7	14	58	18	5.2	2.6	1.1	1.8	0.51
4	1.5	e5.9	5.8	161	8.6	26	11	5.2	34	1.3	1.2	0.50
5	1.3	e5.1	5.5	26	6.9	19	9.7	6.9	185	1.6	0.62	0.22
6	1.1	e4.3	5.1	233	6.5	16	9.1	21	28	1.8	0.42	0.08
7	1.2	e3.2	5.0	133	6.5	13	8.1	11	8.7	1.5	0.09	0.08
8	8.2	e2.6	4.6	30	6.3	10	7.8	6.9	5.8	1.1	0.05	0.12
9	26	e2.3	4.6	16	6.3	8.8	6.7	6.2	4.6	2.9	0.04	0.13
10	5.9	e2.6	14	12	6.2	7.6	11	5.0	4.9	3.2	0.03	0.55
11	3.4	e2.2	254	16	6.5	7.2	95	8.0	17	1.3	0.01	0.10
12	2.5	e2.4	277	11	8.1	7.4	13	5.8	12	1.1	0.05	0.03
13	2.5	e3.5	30	9.4	6.5	13	9.2	3.6	5.4	2.6	1.1	0.03
14	2.8	e25	15	8.6	6.6	24	12	2.8	3.9	3.0	1.0	0.04
15	3.2	e18	13	7.9	6.6	80	9.3	2.5	3.2	1.5	2.8	0.13
16	2.9	e5.0	10	7.3	18	51	7.6	6.5	3.1	1.3	0.76	0.17
17	4.3	e3.5	8.9	6.8	8.9	29	6.3	6.2	22	0.86	0.55	0.08
18	23	e3.2	8.0	7.3	29	14	6.1	12	6.7	0.61	0.45	0.88
19	6.1	e3.3	7.3	7.4	160	11	5.9	5.9	3.9	0.29	0.17	27
20	4.0	e3.0	9.0	8.2	18	26	23	3.9	3.0	0.24	2.6	32
21	3.4	e2.5	20	7.4	13	11	9.5	2.9	2.5	9.4	1.5	4.2
22	3.0	e2.4	11	7.0	11	9.2	7.1	2.6	2.0	2.3	0.25	1.7
23	3.7	e2.3	7.4	7.1	8.8	8.1	6.4	2.7	2.0	1.5	0.68	1.4
24	4.3	e2.3	6.9	6.9	7.3	7.1	6.4	36	1.5	0.88	0.56	1.5
25	6.5	e5.0	7.1	6.5	6.9	7.3	5.0	37	1.5	0.46	0.13	1.7
26	4.8	e4.1	6.7	6.4	6.8	13	4.6	40	1.6	0.29	0.18	1.6
27	4.7	e2.3	6.7	7.0	8.0	12	4.4	34	1.4	0.23	0.50	6.9
28	3.5	e2.4	7.3	11	101	129	4.0	42	1.7	2.0	0.69	2.2
29	3.5	e10	8.3	14	---	199	3.9	24	1.6	31	0.64	1.0
30	3.4	e130	7.3	8.9	---	27	4.3	6.8	1.5	3.6	0.73	0.42
31	3.3	---	6.5	7.4	---	17	---	5.3	---	2.9	1.0	---
Total	151.8	268.9	851.0	807.4	506.3	1,468.7	354.4	368.0	378.6	84.66	27.00	86.99
Mean	4.90	8.96	27.5	26.0	18.1	47.4	11.8	11.9	12.6	2.73	0.87	2.90
Max	26	130	277	233	160	348	95	42	185	31	4.1	32
Min	1.1	2.2	4.6	5.6	6.2	7.1	3.9	2.5	1.4	0.23	0.01	0.03
Cfsm	0.24	0.44	1.35	1.28	0.89	2.33	0.58	0.58	0.62	0.13	0.04	0.14
In.	0.28	0.49	1.56	1.48	0.93	2.69	0.65	0.67	0.69	0.16	0.05	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.15	6.21	22.6	18.8	21.3	38.2	17.8	8.00	7.11	9.94	8.14	6.67
Max	4.90	8.96	27.5	26.0	24.4	47.4	23.7	11.9	12.6	17.1	15.4	10.4
(WY)	(2009)	(2009)	(2009)	(2009)	(2008)	(2009)	(2008)	(2009)	(2009)	(2008)	(2008)	(2008)
Min	3.40	3.45	17.7	11.5	18.1	29.1	11.8	4.14	1.60	2.73	0.87	2.90
(WY)	(2008)	(2008)	(2008)	(2008)	(2009)	(2008)	(2009)	(2008)	(2008)	(2009)	(2009)	(2009)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 2008 - 2009	
Annual total	5,447.77		5,353.75			
Annual mean	14.9		14.7		14.1	
Highest annual mean					14.7	2009
Lowest annual mean					13.5	2008
Highest daily mean	312	Aug 27	348	Mar 1	348	Mar 1, 2009
Lowest daily mean	0.05	Jul 3	0.01	Aug 11	0.01	Aug 11, 2009
Annual seven-day minimum	0.10	Jun 29	0.08	Sep 11	0.08	Sep 11, 2009
Maximum peak flow			^a 504	Mar 1	^a 504	Mar 1, 2009
Maximum peak stage			9.05	Mar 1	9.05	Mar 1, 2009
Instantaneous low flow			^a 0.01	Aug 10	^a 0.01	Aug 10, 2009
Annual runoff (cfsm)	0.733		0.723		0.693	
Annual runoff (inches)	9.98		9.81		9.42	
10 percent exceeds	28		26		26	
50 percent exceeds	5.1		5.6		5.0	
90 percent exceeds	0.52		0.59		0.57	

^a See Remarks.

