



Water-Data Report 2010

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 ft 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. No flow also occurred September 15-26, 2010.

0214685800 SIX MILE CREEK NEAR PINEVILLE, NC—Continued

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	0.25	119	7.2	15	31	10	5.9	1.1	107	12	1.6	0.29
2	0.13	5.6	127	12	105	15	5.3	1.1	82	3.0	1.6	0.24
3	0.11	1.8	203	10	82	35	4.9	5.8	214	1.4	1.4	0.21
4	0.10	1.5	24	9.1	31	18	4.6	3.6	20	0.90	3.2	0.17
5	15	1.3	15	8.8	304	13	4.6	1.6	11	0.73	1.5	0.12
6	4.8	1.0	10	8.0	224	11	4.0	0.91	9.0	0.56	17	0.14
7	1.9	0.91	7.4	7.4	48	10	3.7	0.65	e20	0.43	3.8	0.51
8	1.1	0.84	25	7.6	29	9.5	4.2	0.44	6.4	0.36	2.0	0.57
9	0.46	0.96	313	6.6	26	9.6	10	0.21	4.6	0.30	1.1	0.49
10	0.35	75	48	6.2	22	9.8	3.5	0.17	5.6	0.63	0.74	0.37
11	0.21	372	17	5.9	17	13	3.1	1.3	5.4	0.97	0.24	0.25
12	1.4	162	11	6.3	15	45	3.5	1.5	3.5	9.2	0.34	0.20
13	3.3	27	19	6.0	24	206	3.6	0.76	5.9	14	0.29	0.14
14	4.1	10	15	6.1	20	55	3.4	0.50	16	18	0.88	0.07
15	9.0	6.4	10	6.0	36	25	3.6	0.44	4.7	2.6	19	0.00
16	4.1	5.0	8.0	6.2	25	18	3.4	0.55	7.2	1.8	4.4	0.00
17	1.3	4.8	6.5	259	17	12	3.9	29	4.6	4.5	2.2	0.00
18	0.75	6.2	62	64	13	10	e4.8	11	5.1	1.6	1.4	0.00
19	0.52	5.3	196	22	12	8.7	e6.0	4.3	2.6	1.4	15	0.00
20	0.44	4.5	28	15	11	7.5	e6.1	1.5	1.9	1.2	12	0.00
21	0.32	4.2	15	87	11	9.7	7.3	0.80	1.7	0.75	3.0	0.00
22	0.29	5.2	11	132	43	22	6.7	2.2	1.5	1.0	2.0	0.00
23	0.56	129	9.1	29	24	9.2	5.8	1.9	1.2	0.38	1.4	0.00
24	5.6	18	7.8	42	22	7.5	e5.8	0.81	1.0	1.1	0.86	0.00
25	3.6	11	249	379	22	6.8	e17	4.2	1.6	3.7	0.62	0.00
26	1.8	9.0	155	57	15	8.8	e10	1.00	1.4	0.90	0.52	0.09
27	24	7.9	31	28	13	6.3	11	0.30	0.62	1.3	0.44	23
28	76	6.0	19	19	12	5.6	14	0.23	2.5	20	0.38	12
29	3.1	5.2	14	16	---	43	2.4	11	1.1	3.6	0.33	22
30	0.88	4.9	12	24	---	13	1.3	1.3	2.3	1.9	0.28	36
31	0.80	---	26	31	---	7.4	---	162	---	1.1	0.29	---
Total	166.27	1,011.51	1,701.0	1,331.2	1,254	680.4	173.4	252.17	551.42	111.31	99.81	96.86
Mean	5.36	33.7	54.9	42.9	44.8	21.9	5.78	8.13	18.4	3.59	3.22	3.23
Max	76	372	313	379	304	206	17	162	214	20	19	36
Min	0.10	0.84	6.5	5.9	11	5.6	1.3	0.17	0.62	0.30	0.24	0.00
Cfsm	0.26	1.66	2.70	2.12	2.21	1.08	0.28	0.40	0.91	0.18	0.16	0.16
In.	0.30	1.85	3.12	2.44	2.30	1.25	0.32	0.46	1.01	0.20	0.18	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.55	15.4	33.4	26.8	29.0	32.8	13.8	8.05	10.9	7.82	6.50	5.52
Max	5.36	33.7	54.9	42.9	44.8	47.4	23.7	11.9	18.4	17.1	15.4	10.4
(WY)	(2010)	(2010)	(2010)	(2010)	(2010)	(2009)	(2008)	(2009)	(2010)	(2008)	(2008)	(2008)
Min	3.40	3.45	17.7	11.5	18.1	21.9	5.78	4.14	1.60	2.73	0.87	2.90
(WY)	(2008)	(2008)	(2008)	(2008)	(2009)	(2010)	(2010)	(2008)	(2008)	(2009)	(2009)	(2009)

0214685800 SIX MILE CREEK NEAR PINEVILLE, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2008 - 2010	
Annual total	6,961.13		7,429.35			
Annual mean	19.1		20.4		16.2	
Highest annual mean					20.4	2010
Lowest annual mean					13.5	2008
Highest daily mean	372	Nov 11	379	Jan 25	379	Jan 25, 2010
Lowest daily mean	0.01	Aug 11	0.00	Sep 15	0.00	Sep 15, 2010
Annual seven-day minimum	0.08	Sep 11	0.00	Sep 15	0.00	Sep 15, 2010
Maximum peak flow			^a 580	Jan 25	^a 580	Jan 25, 2010
Maximum peak stage			9.49	Jan 25	9.49	Jan 25, 2010
Instantaneous low flow			^a 0.00	Sep 14	^a 0.00	Sep 14, 2010
Annual runoff (cfsm)	0.939		1.00		0.796	
Annual runoff (inches)	12.76		13.61		10.82	
10 percent exceeds	31		36		29	
50 percent exceeds	6.2		5.6		5.0	
90 percent exceeds	0.43		0.30		0.44	

^a See Remarks.

