



Water-Data Report 2009

0212430653 MCKEE CREEK AT SECONDARY ROAD 2804 NEAR WILGROVE, NC

Upper Pee Dee Basin
Rocky Subbasin

LOCATION.--Lat 35°15'14", long 80°38'53" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03040105, on right bank at Secondary Road 2804, 3.3 mi northeast of Wilgrove.

DRAINAGE AREA.--5.76 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 597.09 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at streamgage.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. No flow also occurred September 8 to October 19, 2007.

0212430653 MCKEE CREEK AT SECONDARY ROAD 2804 NEAR WILGROVE, NC—Continued

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	1.2	0.65	5.0	1.2	1.3	e108	2.6	1.2	1.4	0.66	2.1	0.59
2	1.1	0.82	2.3	1.2	1.6	45	2.3	1.6	1.2	0.68	1.9	0.52
3	0.94	0.71	1.8	1.2	2.8	11	2.9	1.5	1.1	0.73	1.5	0.26
4	0.74	0.64	1.8	6.9	1.6	6.3	1.9	5.3	3.0	0.64	1.1	0.41
5	0.85	0.87	1.9	2.4	1.4	4.5	1.6	e34	15	0.65	0.82	0.23
6	0.73	0.63	1.9	52	1.4	3.3	1.8	18	4.0	0.74	0.88	0.36
7	0.59	0.77	1.9	25	1.5	2.8	1.5	4.8	2.1	0.85	0.70	0.18
8	2.4	0.57	1.8	6.6	1.5	2.5	1.6	3.1	1.5	0.60	0.58	0.16
9	2.1	0.97	1.8	3.7	1.4	2.2	1.7	2.4	1.2	1.9	0.63	0.17
10	0.97	0.97	3.1	2.7	1.4	2.0	4.7	1.9	6.8	0.58	0.50	0.58
11	0.81	0.62	e80	2.5	1.6	2.0	8.8	2.8	10	0.45	0.62	0.34
12	1.0	0.91	41	2.0	2.1	1.9	2.5	1.8	e11	0.38	0.76	0.22
13	0.93	1.1	5.3	1.7	1.9	2.6	2.2	1.5	6.7	0.72	0.76	0.16
14	0.73	2.7	3.3	1.6	2.2	9.7	3.4	1.4	2.7	0.46	0.72	0.23
15	0.91	1.2	2.6	1.5	2.0	23	2.2	1.4	1.8	0.64	0.60	0.11
16	0.67	1.0	2.1	1.4	3.3	11	2.0	5.0	1.6	0.73	0.85	0.85
17	1.4	0.74	1.8	1.6	2.1	6.6	1.9	3.8	29	0.60	0.84	0.80
18	4.0	0.51	1.6	1.7	6.2	4.3	1.9	3.4	3.5	0.39	0.72	0.21
19	1.3	0.75	1.5	1.6	5.4	4.5	2.0	1.7	2.3	0.32	0.75	0.49
20	1.0	0.63	1.9	1.6	2.6	6.1	8.6	1.4	1.7	0.33	1.5	0.64
21	0.75	0.89	4.7	1.4	2.2	3.3	2.3	1.3	1.4	0.36	0.74	0.23
22	0.84	0.57	2.0	1.3	2.0	2.8	2.0	1.2	1.2	0.95	0.44	0.19
23	0.65	0.61	1.5	1.4	1.8	2.5	1.9	1.4	1.0	6.6	0.49	0.24
24	1.0	0.73	1.5	1.4	1.7	2.3	1.7	2.2	0.90	3.7	0.37	0.27
25	1.8	1.2	1.6	1.3	1.7	2.4	1.6	18	0.83	0.55	0.53	0.19
26	1.2	0.72	1.4	1.2	1.7	3.1	1.4	11	0.83	0.45	0.48	1.1
27	1.1	0.61	1.6	1.2	2.1	5.1	1.4	3.4	0.76	e3.6	0.33	1.3
28	0.74	0.58	1.6	2.4	27	e43	1.3	9.1	0.73	e35	0.48	0.26
29	0.89	0.71	1.6	1.9	---	22	1.2	5.2	0.71	e52	0.34	0.13
30	0.69	25	1.3	1.4	---	5.6	1.2	2.4	0.69	6.3	0.50	0.17
31	0.86	---	1.3	1.3	---	3.5	---	1.8	---	3.5	0.35	---
Total	34.89	49.38	184.5	136.3	85.5	354.9	74.1	155.0	116.65	126.06	23.88	11.59
Mean	1.13	1.65	5.95	4.40	3.05	11.4	2.47	5.00	3.89	4.07	0.77	0.39
Max	4.0	25	80	52	27	108	8.8	34	29	52	2.1	1.3
Min	0.59	0.51	1.3	1.2	1.3	1.9	1.2	1.2	0.69	0.32	0.33	0.11
Cfsm	0.20	0.29	1.03	0.76	0.53	1.99	0.43	0.87	0.68	0.71	0.13	0.07
In.	0.23	0.32	1.19	0.88	0.55	2.29	0.48	1.00	0.75	0.81	0.15	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.00	0.95	4.04	2.90	2.87	8.49	3.18	2.83	2.36	2.28	2.59	0.90
Max	1.13	1.65	5.95	4.40	3.05	11.4	3.90	5.00	3.89	4.07	6.71	2.27
(WY)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2008)	(2009)	(2009)	(2009)	(2008)	(2008)
Min	0.87	0.26	2.12	1.39	2.69	5.53	2.47	0.66	0.84	0.73	0.30	0.05
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2009)	(2008)	(2008)	(2007)	(2007)	(2007)

0212430653 MCKEE CREEK AT SECONDARY ROAD 2804 NEAR WILGROVE, NC—Continued**SUMMARY STATISTICS**

	Calendar Year 2008	Water Year 2009	Water Years 2007 - 2009
Annual total	1,044.96	1,352.75	
Annual mean	2.86	3.71	2.78
Highest annual mean			3.71
Lowest annual mean			0.31
Highest daily mean	e140 Aug 27	e108 Mar 1	e140 Aug 27, 2008
Lowest daily mean	0.09 Jun 19	0.11 Sep 15	0.00 Sep 7, 2007
Annual seven-day minimum	0.23 Jun 14	0.25 Sep 3	0.00 Sep 7, 2007
Maximum peak flow		Not Determined	Not Determined
Maximum peak stage		7.40 Jul 29	9.94 Aug 27, 2008
Instantaneous low flow		0.08 Sep 15	a0.00 Sep 7, 2007
Annual runoff (cfsm)	0.496	0.643	0.483
Annual runoff (inches)	6.75	8.74	6.56
10 percent exceeds	4.1	6.1	4.6
50 percent exceeds	1.1	1.5	0.97
90 percent exceeds	0.42	0.49	0.20

^a See Remarks.^e Estimated.