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Water-Data Report 2008

**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 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 2007 to September 2008.

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 site.

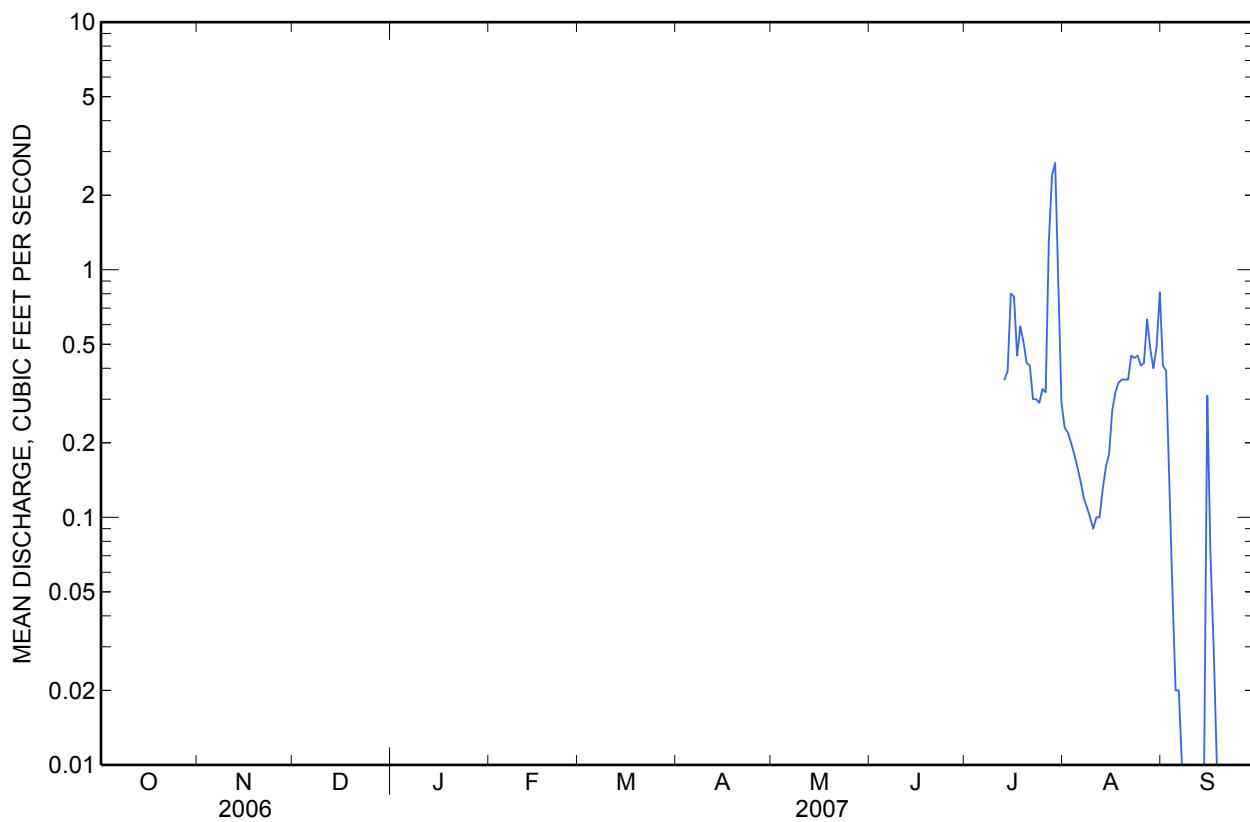
REMARKS.--Records fair, except those for estimated daily discharges, which are poor. No flow also occurred September 8 to October 19, 2007.

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

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**  
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	0.23	0.41
2	---	---	---	---	---	---	---	---	---	---	0.22	0.39
3	---	---	---	---	---	---	---	---	---	---	0.20	0.14
4	---	---	---	---	---	---	---	---	---	---	0.18	0.05
5	---	---	---	---	---	---	---	---	---	---	0.16	0.02
6	---	---	---	---	---	---	---	---	---	---	0.14	0.02
7	---	---	---	---	---	---	---	---	---	---	0.12	0.00
8	---	---	---	---	---	---	---	---	---	---	0.11	0.00
9	---	---	---	---	---	---	---	---	---	---	0.10	0.00
10	---	---	---	---	---	---	---	---	---	---	0.09	0.00
11	---	---	---	---	---	---	---	---	---	---	0.10	0.00
12	---	---	---	---	---	---	---	---	---	---	0.10	0.00
13	---	---	---	---	---	---	---	---	---	0.36	0.13	0.00
14	---	---	---	---	---	---	---	---	---	0.39	0.16	0.00
15	---	---	---	---	---	---	---	---	---	0.80	0.18	0.31
16	---	---	---	---	---	---	---	---	---	0.78	0.27	0.07
17	---	---	---	---	---	---	---	---	---	0.45	0.32	0.03
18	---	---	---	---	---	---	---	---	---	0.59	0.35	0.01
19	---	---	---	---	---	---	---	---	---	0.51	0.36	0.00
20	---	---	---	---	---	---	---	---	---	0.42	0.36	0.00
21	---	---	---	---	---	---	---	---	---	0.41	0.36	0.00
22	---	---	---	---	---	---	---	---	---	0.30	0.45	0.00
23	---	---	---	---	---	---	---	---	---	0.30	0.44	0.00
24	---	---	---	---	---	---	---	---	---	0.29	0.45	0.00
25	---	---	---	---	---	---	---	---	---	0.33	0.41	0.00
26	---	---	---	---	---	---	---	---	---	0.32	0.42	0.00
27	---	---	---	---	---	---	---	---	---	e1.3	0.63	0.00
28	---	---	---	---	---	---	---	---	---	2.4	0.48	0.00
29	---	---	---	---	---	---	---	---	---	2.7	0.40	0.00
30	---	---	---	---	---	---	---	---	---	0.87	0.49	0.00
31	---	---	---	---	---	---	---	---	---	0.29	0.81	---

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



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

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**  
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.22	0.26	1.6	26	1.1	1.9	1.8	0.27	0.45	1.7	1.4
2	0.00	0.19	0.27	1.2	4.1	1.1	1.6	1.1	0.27	0.21	1.0	1.0
3	0.00	0.20	0.30	0.96	2.0	1.1	2.0	0.80	0.25	0.26	0.84	0.96
4	0.00	0.23	0.29	0.80	1.3	e18	2.7	0.65	0.29	0.26	0.80	0.98
5	0.00	0.20	0.36	0.77	1.1	e20	4.9	0.56	0.27	0.32	0.82	1.0
6	0.00	0.21	0.33	0.72	1.1	3.4	3.3	0.54	0.25	1.9	0.87	1.2
7	0.00	0.21	0.29	0.69	1.0	12	2.2	0.42	0.23	0.37	1.4	1.1
8	0.00	0.22	0.28	0.70	0.90	8.5	1.8	0.45	0.20	e5.8	1.4	1.1
9	0.00	0.26	0.29	0.73	0.88	3.3	1.6	0.53	0.35	3.1	0.59	1.5
10	0.00	0.24	0.30	0.79	0.86	2.2	1.4	0.44	0.20	4.5	0.50	3.5
11	0.00	0.23	0.25	1.0	0.90	1.8	1.4	0.76	0.23	1.9	0.46	2.1
12	0.00	0.25	0.23	0.74	1.3	1.5	3.0	0.46	0.58	0.48	0.42	0.78
13	0.00	0.23	0.21	0.71	4.9	1.3	1.8	0.42	0.15	0.74	2.3	0.71
14	0.00	0.24	0.20	0.70	3.4	1.2	1.4	0.46	0.83	1.1	1.2	0.65
15	0.00	0.44	0.98	0.65	1.7	e30	1.3	0.47	0.21	0.34	1.6	0.70
16	0.00	0.31	8.9	0.69	1.3	19	1.2	0.88	0.13	0.25	0.69	e9.3
17	0.00	0.22	0.64	9.6	1.3	5.9	1.2	0.42	0.12	0.46	1.6	6.5
18	0.00	0.25	0.47	3.3	2.1	4.2	1.00	0.48	0.11	0.19	0.76	2.2
19	2.2	0.25	0.44	3.1	1.3	7.1	1.0	0.59	0.09	0.19	0.58	1.2
20	0.29	0.24	0.40	2.6	1.1	6.6	1.2	0.53	0.10	0.19	1.2	0.95
21	0.07	0.22	0.97	1.4	1.1	3.5	0.91	0.66	e0.95	0.17	0.61	0.77
22	0.05	0.30	0.45	1.5	2.6	2.8	0.84	0.64	e9.0	e1.2	0.44	0.83
23	0.03	0.35	1.4	1.3	1.7	2.3	0.87	0.50	e4.3	e6.7	0.41	0.53
24	1.1	0.31	0.69	1.1	1.4	2.0	0.84	0.45	2.1	3.7	0.36	0.55
25	12	0.30	0.46	0.85	1.3	1.8	0.73	0.49	1.2	1.6	3.7	0.79
26	9.5	0.33	13	0.83	5.9	1.7	e3.4	0.41	0.58	1.4	e25	8.6
27	0.68	0.36	1.6	0.78	2.6	1.6	6.5	0.39	0.44	1.1	e140	12
28	0.27	0.28	2.4	0.77	1.6	1.6	52	2.7	0.44	0.95	8.5	2.7
29	0.22	0.27	3.6	0.79	1.3	1.5	9.9	0.68	0.74	1.2	3.5	1.4
30	0.20	0.26	21	0.94	---	1.4	3.0	0.36	0.33	1.2	2.3	1.1
31	0.23	---	4.6	0.92	---	1.8	---	0.30	---	2.9	2.4	---
<b>Total</b>	26.84	7.82	65.86	43.23	78.04	171.3	116.89	20.34	25.21	45.13	207.95	68.10
<b>Mean</b>	0.87	0.26	2.12	1.39	2.69	5.53	3.90	0.66	0.84	1.46	6.71	2.27
<b>Max</b>	12	0.44	21	9.6	26	30	52	2.7	9.0	6.7	140	12
<b>Min</b>	0.00	0.19	0.20	0.65	0.86	1.1	0.73	0.30	0.09	0.17	0.36	0.53
<b>Cfsm</b>	0.15	0.05	0.37	0.24	0.47	0.96	0.68	0.11	0.15	0.25	1.16	0.39
<b>In.</b>	0.17	0.05	0.43	0.28	0.50	1.11	0.75	0.13	0.16	0.29	1.34	0.44

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2008, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	0.87	0.26	2.12	1.39	2.69	5.53	3.90	0.66	0.84	1.46	3.50	1.16
<b>Max</b>	0.87	0.26	2.12	1.39	2.69	5.53	3.90	0.66	0.84	1.46	6.71	2.27
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)
<b>Min</b>	0.87	0.26	2.12	1.39	2.69	5.53	3.90	0.66	0.84	1.46	0.30	0.05
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2007)	(2007)

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

	Water Year 2008		Water Years 2007 - 2008	
<b>Annual total</b>	876.71			
<b>Annual mean</b>	2.40		2.40	
<b>Highest annual mean</b>			2.40	2008
<b>Lowest annual mean</b>			2.40	2008
<b>Highest daily mean</b>	140	Aug 27	140	Aug 27, 2008
<b>Lowest daily mean</b>	<sup>a</sup> 0.00	Oct 1	<sup>a</sup> 0.00	Sep 7, 2007
<b>Annual seven-day minimum</b>	0.00	Oct 1	0.00	Sep 7, 2007
<b>Maximum peak flow</b>	NOT DETERMINED		NOT DETERMINED	
<b>Maximum peak stage</b>	9.94	Aug 27	9.94	Aug 27, 2008
<b>Instantaneous low flow</b>	<sup>a</sup> 0.00	Oct 1	<sup>a</sup> 0.00	Sep 7, 2007
<b>Annual runoff (cfsm)</b>	0.416		0.416	
<b>Annual runoff (inches)</b>	5.66		5.65	
<b>10 percent exceeds</b>	4.1		4.1	
<b>50 percent exceeds</b>	0.83		0.83	
<b>90 percent exceeds</b>	0.20		0.20	

<sup>a</sup>See Remarks.

