

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 mi².

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.

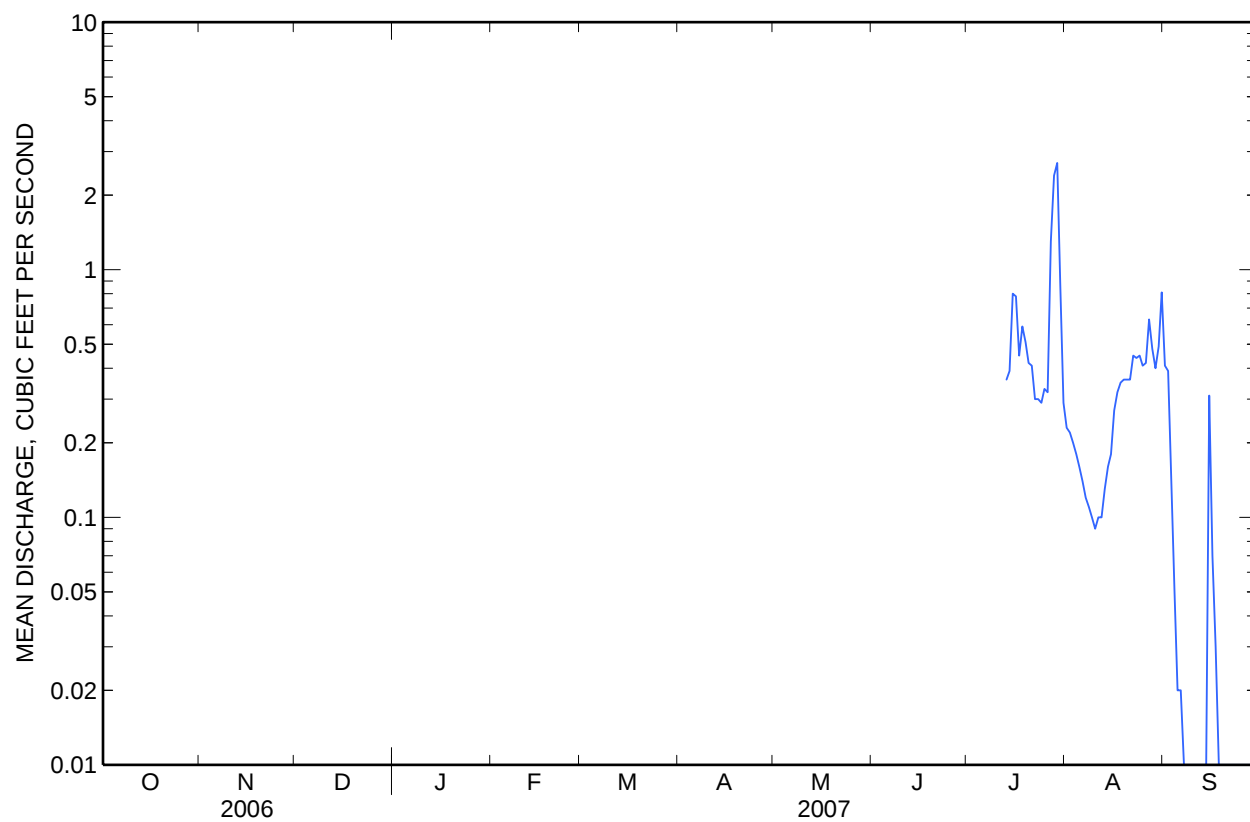
0212430653 MCKEE CREEK AT SECONDARY ROAD 2804 NEAR WILGROVE, NC—Continued

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	---

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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	---
Total	26.84	7.82	65.86	43.23	78.04	171.3	116.89	20.34	25.21	45.13	207.95	68.10
Mean	0.87	0.26	2.12	1.39	2.69	5.53	3.90	0.66	0.84	1.46	6.71	2.27
Max	12	0.44	21	9.6	26	30	52	2.7	9.0	6.7	140	12
Min	0.00	0.19	0.20	0.65	0.86	1.1	0.73	0.30	0.09	0.17	0.36	0.53
Cfsm	0.15	0.05	0.37	0.24	0.47	0.96	0.68	0.11	0.15	0.25	1.16	0.39
In.	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
Mean	0.87	0.26	2.12	1.39	2.69	5.53	3.90	0.66	0.84	1.46	3.50	1.16
Max	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)
Min	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)

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SUMMARY STATISTICS

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

^aSee Remarks.