

Water-Data Report 2012

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.

REVISED RECORDS.--WDR NC-10-1: 2008 (annual maximum discharge), 2009 (annual maximum discharge).

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.--No estimated daily discharges. Records fair. No flow also occurred September 8 to October 19, 2007. Maximum discharge for period of record from rating extended above 1000 ft³/s, based on contracted opening measurement of peak flow.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.70	1.1	2.2	2.3	1.7	1.8	2.5	0.90	4.2	0.56	0.12	1.5
2	0.76	1.1	1.8	2.1	1.9	2.5	2.2	0.90	1.3	0.96	0.12	1.3
3	0.76	1.5	1.6	2.0	1.7	98	2.0	0.84	0.74	0.36	0.10	0.40
4	0.80	24	1.5	1.8	1.6	9.9	2.4	0.98	0.78	0.30	0.09	3.0
5	0.83	2.9	1.5	2.1	5.7	5.5	2.7	0.88	0.78	0.32	0.07	2.9
6	0.87	1.9	1.4	2.2	2.4	4.6	4.4	0.82	3.8	0.31	0.12	0.64
7	0.86	1.6	3.0	2.1	2.1	3.0	1.8	1.1	0.98	0.29	0.20	1.7
8	0.86	1.5	2.2	1.9	1.8	2.7	1.5	2.9	0.73	0.27	0.16	29
9	0.89	1.5	1.5	1.9	1.6	5.5	1.3	4.4	0.73	0.26	1.3	4.8
10	0.88	1.5	1.4	1.9	1.6	4.0	1.3	1.0	0.67	0.30	2.8	0.90
11	3.0	1.3	1.3	11	1.6	3.8	1.2	0.70	1.8	5.3	0.25	0.50
12	11	1.3	1.3	6.2	1.6	2.5	1.2	0.62	2.6	1.5	0.17	0.42
13	3.0	1.3	1.3	3.0	1.6	2.2	1.2	0.67	12	0.43	0.15	0.38
14	1.4	1.4	1.2	2.3	1.6	2.0	1.1	5.3	1.1	0.78	0.14	0.36
15	0.87	1.4	1.2	2.1	1.5	1.9	1.2	2.4	0.68	1.5	2.9	0.44
16	0.75	2.7	1.7	1.9	1.6	2.0	1.2	1.1	0.61	0.38	1.00	0.46
17	1.4	8.1	3.0	4.9	2.1	16	1.1	0.85	0.52	0.33	1.7	0.52
18	7.9	2.5	1.4	23	2.5	23	1.1	0.74	0.52	0.33	0.95	1.6
19	17	2.0	1.3	5.2	3.0	5.0	1.3	0.70	0.48	0.36	3.3	0.65
20	3.4	1.8	1.4	3.8	2.6	3.3	1.1	0.71	0.55	1.4	2.0	0.50
21	1.6	1.9	20	15	1.7	2.7	1.1	1.6	0.44	0.75	0.34	0.47
22	1.2	1.9	7.7	8.0	1.7	2.4	3.7	2.8	0.93	0.36	0.33	0.45
23	0.99	6.4	5.8	4.5	2.2	3.9	1.7	6.5	0.57	0.28	0.33	0.42
24	0.94	1.9	3.0	3.6	1.8	9.7	1.3	1.0	0.50	0.29	0.27	0.42
25	0.95	1.6	2.2	2.9	1.6	6.3	1.3	0.86	0.93	0.29	0.24	0.47
26	1.00	1.4	1.9	2.6	1.4	4.0	1.4	0.74	2.4	0.26	0.23	0.52
27	0.98	1.4	31	3.5	1.4	3.0	1.3	0.76	0.45	0.20	0.26	0.44
28	0.93	6.2	7.9	2.6	1.6	2.6	1.0	0.77	0.33	0.16	0.30	0.31
29	9.4	12	4.4	2.1	1.7	2.4	1.1	1.2	0.31	0.13	0.39	1.5
30	1.8	3.4	3.0	1.9	---	2.2	1.0	1.1	0.30	0.13	0.31	0.20
31	1.4	---	2.6	1.9	---	4.2	---	0.89	---	0.13	0.36	---
Total	79.12	100.5	122.7	132.3	56.9	242.6	48.7	46.73	42.73	19.22	21.00	57.17
Mean	2.55	3.35	3.96	4.27	1.96	7.83	1.62	1.51	1.42	0.62	0.68	1.91
Max	17	24	31	23	5.7	98	4.4	6.5	12	5.3	3.3	29
Min	0.70	1.1	1.2	1.8	1.4	1.8	1.0	0.62	0.30	0.13	0.07	0.20
Cfsm	0.44	0.58	0.69	0.74	0.34	1.36	0.28	0.26	0.25	0.11	0.12	0.33
In.	0.51	0.65	0.79	0.85	0.37	1.57	0.31	0.30	0.28	0.12	0.14	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.10	4.18	5.60	5.06	4.94	7.49	2.50	2.53	3.95	3.54	3.14	1.33
Max	2.55	14.6	14.8	14.3	14.1	11.4	3.90	5.00	12.9	9.68	6.71	2.51
(WY)	(2012)	(2010)	(2010)	(2010)	(2010)	(2009)	(2008)	(2009)	(2010)	(2010)	(2008)	(2011)
Min	0.38	0.26	1.14	0.91	1.96	5.53	1.62	0.66	0.64	0.62	0.30	0.05
(WY)	(2011)	(2008)	(2011)	(2011)	(2012)	(2008)	(2012)	(2008)	(2011)	(2012)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2011	Water Year 2012	Water Years 2007 - 2012	
Annual total	1,037.75	969.67		
Annual mean	2.84	2.65	3.85	
Highest annual mean			8.27	2010
Lowest annual mean			2.23	2011
Highest daily mean	116 Aug 5	98 Mar 3	221	Jan 25, 2010
Lowest daily mean	0.02 Sep 17	0.07 Aug 5	^a 0.00	Sep 7, 2007
Annual seven-day minimum	0.06 Sep 14	0.11 Jul 31	0.00	Sep 7, 2007
Maximum peak flow		411 Mar 3	^a 1,510	Aug 27, 2008
Maximum peak stage		5.81 Mar 3	9.94	Aug 27, 2008
Instantaneous low flow		0.04 Aug 5	^a 0.00	Sep 7, 2007
Annual runoff (cfsm)	0.494	0.460	0.668	
Annual runoff (inches)	6.70	6.26	9.08	
10 percent exceeds	5.9	4.8	6.0	
50 percent exceeds	1.1	1.4	1.2	
90 percent exceeds	0.23	0.31	0.26	

^a See Remarks.

