



Water-Data Report 2011

**0212466000 CLEAR CREEK AT SECONDARY ROAD 3181 NEAR MINT HILL, NC**

Upper Pee Dee Basin  
Rocky Subbasin

LOCATION.--Lat 35°12'30", long 80°34'48" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03040105, on right bank at wingwall on Secondary Road 3181, 4.25 mi northeast of Mint Hill.

DRAINAGE AREA.--12.6 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 558.29 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 11-15, 24-30, October 2-25, 2007. Minimum discharge for current water year also occurred September 16.

## 0212466000 CLEAR CREEK AT SECONDARY ROAD 3181 NEAR MINT HILL, NC—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.6	2.4	11	2.2	1.9	19	9.9	2.2	1.3	0.63	13	0.18
2	1.9	2.2	2.7	4.0	7.5	6.4	7.2	2.1	1.1	0.53	1.5	0.17
3	1.8	2.1	2.2	2.8	4.0	5.4	6.1	2.1	1.00	0.42	0.81	0.84
4	1.8	3.1	2.1	2.4	20	4.9	5.6	11	0.95	0.43	0.45	0.36
5	1.7	3.5	2.2	2.3	36	4.6	12	3.0	0.94	0.64	109	0.26
6	1.5	2.9	2.0	2.3	9.8	30	6.7	2.1	0.90	2.5	4.9	0.37
7	1.4	2.6	1.9	2.3	6.3	16	5.6	2.0	0.82	1.1	1.0	0.35
8	1.3	2.6	1.9	2.2	5.4	7.9	5.1	1.9	0.80	1.2	0.62	0.26
9	1.2	2.7	1.8	2.0	4.6	12	5.0	1.8	0.80	0.95	2.8	0.24
10	1.2	2.6	1.8	2.1	4.4	46	6.0	1.7	1.2	0.76	0.66	0.18
11	1.2	2.5	1.8	2.5	4.2	14	4.9	5.1	1.0	0.57	0.55	0.16
12	1.2	2.4	2.4	2.5	4.1	7.6	4.3	2.4	1.7	0.46	0.56	0.15
13	1.2	2.4	2.4	2.3	3.9	6.0	3.9	2.1	1.1	17	0.57	0.13
14	1.3	2.4	1.9	2.3	3.8	5.2	3.6	2.0	0.85	7.1	0.59	0.12
15	1.3	2.4	1.9	2.3	3.5	5.0	3.5	2.5	0.72	3.0	1.5	0.11
16	1.3	2.7	2.0	2.3	3.3	7.7	4.7	1.8	0.70	2.5	0.57	0.19
17	1.3	4.6	2.2	2.4	3.3	5.2	4.3	5.1	0.69	2.3	0.46	0.15
18	1.3	3.5	2.1	2.5	3.2	4.7	3.5	2.8	0.66	2.2	0.43	0.15
19	1.3	3.1	2.1	2.4	3.1	4.5	3.3	2.1	0.62	2.1	0.43	0.14
20	1.4	2.9	2.0	2.3	3.0	4.3	3.2	1.9	0.58	1.4	0.42	0.14
21	1.6	2.7	1.9	2.2	3.0	4.2	2.9	1.7	0.61	1.2	0.42	0.14
22	1.5	2.6	1.9	2.1	3.0	4.1	3.1	1.5	3.2	1.1	1.3	0.87
23	1.5	2.1	1.9	2.0	2.9	3.8	3.2	1.3	1.2	0.89	0.48	13
24	1.4	1.8	1.9	2.0	2.9	3.8	2.9	1.2	0.90	0.81	0.37	11
25	4.6	1.8	1.9	2.0	2.9	3.5	2.6	1.1	0.88	0.99	0.30	3.6
26	5.0	1.9	2.3	2.4	2.9	4.3	2.5	e1.1	0.78	1.6	0.26	2.2
27	3.2	2.1	2.5	2.6	2.9	25	2.4	4.8	0.61	1.2	0.24	2.3
28	2.7	1.9	2.1	2.2	8.3	10	2.5	5.0	0.54	0.75	0.21	2.6
29	2.7	1.9	2.0	2.1	---	7.5	2.4	1.9	1.8	0.59	0.19	1.7
30	2.5	1.9	2.1	2.1	---	44	2.2	1.6	0.93	0.56	0.19	1.5
31	2.5	---	2.1	2.0	---	19	---	1.4	---	64	0.19	---
<b>Total</b>	58.4	76.3	73.0	72.1	164.1	345.6	135.1	80.3	29.88	121.48	144.97	43.56
<b>Mean</b>	1.88	2.54	2.35	2.33	5.86	11.1	4.50	2.59	1.00	3.92	4.68	1.45
<b>Max</b>	5.0	4.6	11	4.0	36	46	12	11	3.2	64	109	13
<b>Min</b>	1.2	1.8	1.8	2.0	1.9	3.5	2.2	1.1	0.54	0.42	0.19	0.11
<b>Cfsm</b>	0.15	0.20	0.19	0.18	0.47	0.88	0.36	0.21	0.08	0.31	0.37	0.12
<b>In.</b>	0.17	0.23	0.22	0.21	0.48	1.02	0.40	0.24	0.09	0.36	0.43	0.13

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	3.98	13.0	14.2	10.2	13.3	19.1	12.6	7.30	11.0	9.64	6.05	5.25
<b>Max</b>	8.22	54.3	43.7	35.1	39.5	41.9	58.7	39.2	56.9	23.9	12.8	29.2
(WY)	(2005)	(2007)	(2010)	(2010)	(2010)	(2003)	(2003)	(2003)	(2003)	(2010)	(2010)	(2004)
<b>Min</b>	0.54	0.24	2.35	2.33	4.66	4.61	3.76	1.69	1.00	1.63	0.38	0.07
(WY)	(2008)	(2008)	(2011)	(2011)	(2009)	(2006)	(2006)	(2004)	(2011)	(2006)	(2007)	(2007)

**0212466000 CLEAR CREEK AT SECONDARY ROAD 3181 NEAR MINT HILL, NC—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 2003 - 2011</b>	
<b>Annual total</b>	4,561.03	1,344.79		
<b>Annual mean</b>	12.5	3.68	10.4	
<b>Highest annual mean</b>			25.0	2003
<b>Lowest annual mean</b>			3.68	2011
<b>Highest daily mean</b>	585	Jan 25	950	Nov 22, 2006
<b>Lowest daily mean</b>	0.67	Jun 29	a0.00	Sep 10, 2007
<b>Annual seven-day minimum</b>	0.76	Jun 23	0.00	Sep 24, 2007
<b>Maximum peak flow</b>		772	2,160	Sep 28, 2004
<b>Maximum peak stage</b>		5.87	10.92	Sep 28, 2004
<b>Instantaneous low flow</b>		a0.10	a0.00	Sep 10, 2007
<b>Annual runoff (cfsm)</b>	0.992	0.292	0.829	
<b>Annual runoff (inches)</b>	13.47	3.97	11.26	
<b>10 percent exceeds</b>	14	6.0	14	
<b>50 percent exceeds</b>	3.0	2.1	3.5	
<b>90 percent exceeds</b>	1.3	0.46	0.69	

<sup>a</sup> See Remarks

