



Water-Data Report 2009

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 mi².

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. Radio 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 9, 14.

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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	2.0	1.9	8.9	3.5	3.1	416	8.7	3.5	3.0	1.2	2.4	0.35
2	1.9	1.9	4.3	3.6	3.1	92	7.8	3.6	2.7	1.2	1.9	0.32
3	1.5	1.8	3.6	3.8	4.9	25	7.6	3.6	2.6	1.1	1.6	0.29
4	1.4	2.4	3.2	12	3.7	15	6.3	3.2	2.7	1.1	1.3	0.30
5	1.3	2.6	3.0	7.6	3.2	11	5.9	69	11	1.1	1.1	e0.29
6	1.3	2.6	2.9	70	3.2	8.8	5.8	30	5.2	1.1	1.1	e0.20
7	1.3	2.5	2.8	37	3.2	7.5	5.4	10	3.7	1.1	0.98	e0.37
8	1.3	2.4	2.7	13	3.2	6.8	5.1	6.7	3.1	0.99	0.88	e0.32
9	3.1	2.4	2.6	7.9	3.1	6.2	5.5	5.5	2.7	1.0	0.79	0.20
10	1.7	2.4	2.8	6.3	3.1	5.7	6.0	4.6	2.7	1.3	0.72	0.35
11	1.4	2.4	125	5.8	3.1	5.4	15	4.5	8.2	1.1	0.71	0.44
12	1.3	2.5	77	5.1	3.3	5.1	6.5	4.1	13	0.93	0.71	0.35
13	1.3	2.7	13	4.7	3.0	5.3	5.8	3.7	7.8	1.4	0.80	0.27
14	1.3	7.7	7.8	4.3	3.0	8.8	7.7	3.5	4.2	1.4	0.75	0.24
15	1.3	5.8	6.4	4.3	3.0	22	6.1	4.5	3.3	0.95	0.99	0.23
16	1.3	3.0	5.6	3.8	4.0	19	5.1	5.8	3.1	0.86	0.81	0.24
17	1.4	3.0	4.8	3.8	3.3	13	4.7	4.7	9.4	0.78	0.91	0.51
18	4.3	2.8	5.1	4.0	6.5	9.1	4.5	5.0	4.3	0.72	0.60	0.40
19	2.1	2.7	4.6	4.0	6.9	7.7	4.4	3.6	3.5	0.65	0.52	0.30
20	1.7	2.7	4.5	3.9	4.6	11	11	3.4	3.0	0.55	0.61	0.44
21	1.6	2.7	8.3	3.6	3.9	7.3	6.5	3.2	2.8	0.59	0.86	0.39
22	1.6	2.6	5.7	3.5	3.6	6.6	5.4	2.9	2.5	0.64	0.59	0.31
23	1.5	2.6	5.0	3.5	3.2	6.0	4.9	2.8	2.4	5.9	0.48	0.30
24	1.5	2.7	4.5	3.5	3.1	5.6	4.7	3.8	2.2	4.1	0.44	0.31
25	1.9	3.5	4.4	3.4	3.1	5.4	4.3	7.0	1.8	1.5	0.41	0.29
26	2.3	3.4	4.4	3.4	3.0	6.3	4.1	9.2	1.7	1.2	0.37	0.66
27	1.8	3.0	4.4	3.4	3.2	6.5	3.8	5.3	1.6	23	0.35	1.4
28	1.7	2.9	4.1	3.8	33	166	3.4	7.2	1.5	185	0.33	0.60
29	1.8	3.1	4.2	5.0	---	60	3.4	8.5	1.3	295	0.33	0.46
30	1.8	22	3.9	3.5	---	16	3.3	4.2	1.3	6.7	0.29	0.39
31	1.9	---	3.8	3.2	---	10	---	3.5	---	3.0	0.30	---
Total	53.6	106.7	343.3	248.2	130.6	996.1	178.7	240.1	118.3	547.16	24.93	11.52
Mean	1.73	3.56	11.1	8.01	4.66	32.1	5.96	7.75	3.94	17.7	0.80	0.38
Max	4.3	22	125	70	33	416	15	69	13	295	2.4	1.4
Min	1.3	1.8	2.6	3.2	3.0	5.1	3.3	2.8	1.3	0.55	0.29	0.20
Cfsm	0.14	0.28	0.88	0.64	0.37	2.55	0.47	0.61	0.31	1.40	0.06	0.03
In.	0.16	0.32	1.01	0.73	0.39	2.94	0.53	0.71	0.35	1.62	0.07	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.72	11.8	11.6	7.74	10.6	21.2	14.9	8.49	12.4	8.43	5.29	6.28
Max	8.22	54.3	23.2	15.3	19.9	41.9	58.7	39.2	56.9	20.8	11.9	29.2
(WY)	(2005)	(2007)	(2003)	(2007)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	0.54	0.24	4.16	3.31	4.66	4.61	3.76	1.69	1.71	1.63	0.38	0.07
(WY)	(2008)	(2008)	(2008)	(2008)	(2009)	(2006)	(2006)	(2004)	(2008)	(2006)	(2007)	(2007)

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

	Calendar Year 2008	Water Year 2009	Water Years 2003 - 2009	
Annual total	2,180.24	2,999.21		
Annual mean	5.96	8.22	10.3	
Highest annual mean			25.0	2003
Lowest annual mean			5.00	2008
Highest daily mean	298	Aug 27	416	Mar 1
Lowest daily mean	0.62	Aug 11	0.20	Sep 6
Annual seven-day minimum	0.73	Jun 15	0.28	Sep 3
Maximum peak flow			1,380	Jul 29
Maximum peak stage			8.13	Jul 29
Instantaneous low flow			0.17	Sep 8
Annual runoff (cfsm)	0.473	0.652	0.816	
Annual runoff (inches)	6.44	8.85	11.09	
10 percent exceeds	8.3	8.8	14	
50 percent exceeds	2.6	3.2	3.7	
90 percent exceeds	0.97	0.52	0.71	

^a See Remarks.

