

Water-Data Report 2008

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 station.

REMARKS.--No estimated daily discharges. Records fair. No flow also occurred September 11-15, 24-30, October 2-25, 2007.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.12	0.40	4.8	44	4.3	4.4	4.6	1.2	1.2	2.0	3.4
2	0.00	0.11	0.37	3.3	12	3.9	3.7	3.5	1.1	1.1	1.1	1.9
3	0.00	0.10	0.41	2.7	6.8	3.7	3.4	3.0	0.96	1.1	0.95	1.8
4	0.00	0.11	0.42	2.5	5.3	31	4.5	2.6	0.94	0.95	0.88	1.7
5	0.00	0.11	0.40	2.3	4.7	47	10	2.4	0.89	0.84	0.84	1.6
6	0.00	0.11	0.43	2.1	4.6	9.6	7.6	2.1	0.84	3.5	0.78	1.9
7	0.00	0.11	0.40	2.0	5.7	20	5.4	1.9	0.81	1.7	0.79	1.6
8	0.00	0.12	0.38	1.9	5.3	25	4.7	1.9	0.80	3.8	0.79	1.6
9	0.00	0.12	0.39	1.9	3.5	10	4.4	1.8	0.76	5.2	0.74	2.6
10	0.00	0.14	0.37	1.9	3.2	7.1	4.3	1.8	0.73	3.4	0.69	1.7
11	0.00	0.15	0.38	2.2	3.2	6.0	4.0	1.9	1.4	3.5	0.62	3.5
12	0.00	0.18	0.36	2.0	3.4	5.4	4.5	1.8	2.9	1.7	0.73	1.7
13	0.00	0.19	0.36	1.8	8.3	4.9	4.2	1.5	1.1	2.1	1.4	1.4
14	0.00	0.21	0.35	1.7	14	4.6	3.7	1.4	1.00	4.3	1.7	1.3
15	0.00	0.26	0.44	1.7	6.0	48	3.6	1.4	0.81	1.9	0.97	1.2
16	0.00	0.39	13	1.7	5.1	29	3.3	1.9	0.76	1.5	1.4	18
17	0.00	0.32	2.9	16	4.4	9.3	3.3	1.5	0.73	1.3	1.6	6.5
18	0.00	0.37	2.0	8.9	9.1	7.0	3.2	1.4	0.72	1.1	1.5	3.0
19	0.00	0.28	1.7	5.1	5.7	8.8	3.1	1.4	0.68	1.0	1.1	2.2
20	0.00	0.32	1.6	5.9	4.7	14	3.1	1.3	0.63	0.87	0.88	1.9
21	0.00	0.30	2.0	3.8	4.2	6.8	3.1	1.3	0.81	0.78	0.82	1.8
22	0.00	0.29	2.2	3.3	6.7	5.9	3.0	1.2	3.5	0.76	0.77	1.7
23	0.00	0.30	1.9	3.6	6.1	5.2	2.9	1.2	15	66	0.72	1.6
24	0.00	0.31	2.7	3.0	5.2	4.7	2.9	1.1	2.0	48	0.77	1.5
25	2.8	0.32	1.9	2.6	4.6	4.5	2.8	1.1	1.6	3.1	0.73	1.3
26	12	0.36	20	2.5	12	4.3	3.1	1.1	1.3	2.1	19	4.9
27	1.2	0.43	5.4	2.4	8.3	4.0	17	1.1	1.9	1.8	298	13
28	0.26	0.40	3.7	2.3	5.7	3.8	123	2.4	1.6	1.4	6.8	3.9
29	0.15	0.38	13	2.2	4.8	3.6	26	2.1	2.4	1.2	3.2	2.4
30	0.14	0.40	36	2.4	---	3.4	7.3	1.3	1.4	1.1	2.4	2.0
31	0.13	---	13	2.2	---	4.0	---	1.2	---	1.8	2.2	---
Total	16.68	7.31	128.86	102.7	216.6	348.8	279.5	56.2	51.27	170.10	356.87	94.6
Mean	0.54	0.24	4.16	3.31	7.47	11.3	9.32	1.81	1.71	5.49	11.5	3.15
Max	12	0.43	36	16	44	48	123	4.6	15	66	298	18
Min	0.00	0.10	0.35	1.7	3.2	3.4	2.8	1.1	0.63	0.76	0.62	1.2
Cfs/m	0.04	0.02	0.33	0.26	0.59	0.89	0.74	0.14	0.14	0.44	0.91	0.25
In.	0.05	0.02	0.38	0.30	0.64	1.03	0.83	0.17	0.15	0.50	1.05	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.22	13.2	11.7	7.70	11.6	19.4	16.4	8.62	13.8	6.89	6.03	7.26
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	4.87	4.61	3.76	1.69	1.71	1.63	0.38	0.07
(WY)	(2008)	(2008)	(2008)	(2008)	(2006)	(2006)	(2006)	(2004)	(2008)	(2006)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2003 - 2008	
Annual total	2,407.97		1,829.49			
Annual mean	6.60		5.00		10.6	
Highest annual mean					25.0	2003
Lowest annual mean					5.00	2008
Highest daily mean	565	Mar 2	298	Aug 27	950	Nov 22, 2006
Lowest daily mean	0.00	Sep 10	0.00	Oct 1	0.00	Sep 10, 2007
Annual seven-day minimum	0.00	Sep 24	0.00	Oct 1	0.00	Sep 24, 2007
Maximum peak flow			1,110	Aug 27	2,160	Sep 28, 2004
Maximum peak stage			7.12	Aug 27	10.92	Sep 28, 2004
Instantaneous low flow			^a 0.00	Oct 1	^a 0.00	Sep 10, 2007
Annual runoff (cfs)	0.524		0.397		0.843	
Annual runoff (inches)	7.11		5.40		11.46	
10 percent exceeds	9.5		8.3		15	
50 percent exceeds	1.9		1.9		3.8	
90 percent exceeds	0.01		0.15		0.73	

^aSee Remarks.