

Water-Data Report 2007

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. Elevation of gage is 558.29 ft above North American Vertical Datum of 1988, from levels. Radio telemetry at station.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. No flow also occurred September 11-15, 24-30, 2007.

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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	2.3	3.2	8.1	9.3	18	86	4.4	3.7	e1.5	2.2	1.8	0.59
2	2.0	2.9	e7.0	8.1	22	e565	4.9	3.5	1.5	1.8	1.3	0.30
3	1.9	2.8	e5.4	6.8	11	e31	4.3	3.4	2.5	1.8	0.85	0.16
4	1.9	2.9	e5.1	6.5	8.4	e16	4.1	3.7	1.9	1.9	0.79	0.11
5	1.9	3.0	5.1	24	7.4	e12	3.8	3.9	1.6	1.7	0.67	0.09
6	1.9	3.0	5.0	44	6.8	e10	3.7	3.6	1.5	2.0	0.59	0.14
7	2.0	8.4	5.0	57	6.8	9.2	3.7	3.2	1.4	4.2	0.56	0.08
8	5.0	17	4.9	111	6.3	8.6	3.6	3.1	2.5	2.4	0.53	0.03
9	3.0	6.0	4.9	23	6.1	7.9	3.5	3.3	3.8	1.5	0.46	0.01
10	2.1	4.4	5.0	13	5.7	7.5	3.5	e3.6	1.5	1.6	0.41	0.00
11	1.9	3.8	4.9	9.8	5.5	7.2	3.8	e3.1	1.4	1.4	0.37	0.00
12	2.4	25	4.9	8.6	5.4	6.9	e10	2.9	1.4	1.7	0.29	0.00
13	2.3	6.5	4.7	7.9	13	6.8	e6.9	3.0	1.5	1.5	0.24	0.00
14	2.0	4.8	4.6	7.3	55	6.5	e6.2	2.8	43	1.4	0.21	0.00
15	2.1	4.1	4.5	7.0	12	6.4	119	2.7	7.0	1.8	0.16	0.03
16	2.1	245	4.4	6.7	8.7	8.5	23	2.6	3.3	2.8	0.17	0.26
17	86	18	4.3	6.0	7.6	7.6	8.5	2.5	e2.1	1.7	0.14	0.18
18	23	7.9	4.3	6.4	7.0	6.3	6.6	2.3	e1.9	1.5	0.15	0.08
19	4.3	5.8	4.3	7.0	6.5	6.0	5.9	2.3	e1.7	1.3	0.13	0.04
20	3.4	4.8	4.1	6.4	6.4	5.9	7.5	2.3	e1.6	1.3	0.10	0.02
21	3.0	163	4.1	6.7	6.4	5.8	5.5	2.1	1.6	1.2	0.09	0.02
22	2.8	950	27	28	6.2	5.5	5.0	2.1	1.5	1.1	0.09	0.02
23	2.7	e63	18	11	5.8	5.4	4.7	2.0	1.4	1.1	0.25	0.01
24	2.7	e24	9.0	8.4	5.6	5.1	4.5	2.0	1.5	1.0	0.16	0.00
25	3.0	e11	108	7.4	13	5.0	4.4	1.9	30	1.0	0.10	0.00
26	3.0	10	26	6.7	11	4.9	4.4	1.8	16	1.0	0.09	0.00
27	4.8	e7.7	11	6.5	7.4	4.7	4.4	1.8	3.3	9.1	0.10	0.00
28	41	e7.6	8.3	6.4	6.5	4.7	4.1	1.7	2.5	26	0.11	0.00
29	5.5	e6.1	7.2	5.9	---	4.6	4.0	1.7	2.3	3.7	0.21	0.00
30	4.0	8.0	6.6	5.8	---	4.6	3.8	1.6	6.1	4.3	0.25	0.00
31	3.5	---	7.2	5.7	---	4.4	---	e1.5	---	2.3	0.28	---
Total	229.5	1,629.7	332.9	474.3	287.5	876.0	281.7	81.7	150.8	89.3	11.65	2.17
Mean	7.40	54.3	10.7	15.3	10.3	28.3	9.39	2.64	5.03	2.88	0.38	0.07
Max	86	950	108	111	55	565	119	3.9	43	26	1.8	0.59
Min	1.9	2.8	4.1	5.7	5.4	4.4	3.5	1.5	1.4	1.0	0.09	0.00
Cfsm	0.59	4.31	0.85	1.21	0.81	2.24	0.75	0.21	0.40	0.23	0.03	0.01
In.	0.68	4.81	0.98	1.40	0.85	2.59	0.83	0.24	0.45	0.26	0.03	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.16	15.8	13.3	8.58	12.4	21.0	17.8	9.98	16.3	7.17	4.94	8.08
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	3.90	2.52	5.26	3.70	4.87	4.61	3.76	1.69	1.88	1.63	0.38	0.07
(WY)	(2004)	(2006)	(2005)	(2004)	(2006)	(2006)	(2006)	(2004)	(2004)	(2006)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2003 - 2007	
Annual total	3,514.47		4,447.22			
Annual mean	9.63		12.2		11.8	
Highest annual mean					25.0	2003
Lowest annual mean					6.04	2006
Highest daily mean	950	Nov 22	950	Nov 22	950	Nov 22, 2006
Lowest daily mean	0.28	Aug 4	0.00	Sep 10	0.00	Sep 10, 2007
Annual seven-day minimum	0.38	Jul 29	0.00	Sep 24	0.00	Sep 24, 2007
Maximum peak flow			1,690	Mar 2	2,160	Sep 28, 2004
Maximum peak stage			9.33	Mar 2	10.92	Sep 28, 2004
Instantaneous low flow			^a 0.00	Sep 10	^a 0.00	Sep 10, 2007
Annual runoff (cfsm)	0.764		0.967		0.933	
Annual runoff (inches)	10.38		13.13		12.67	
10 percent exceeds	8.4		13		16	
50 percent exceeds	3.7		4.0		4.2	
90 percent exceeds	0.93		0.16		0.96	

^a See Remarks.

