

Water-Data Report 2007

**02124080 CLARKE CREEK NEAR HARRISBURG, NC**

Upper Pee Dee Basin  
Rocky Subbasin

LOCATION.--Lat 35°24'51", long 80°45'07" referenced to North American Datum of 1983, Cabarrus County, NC, Hydrologic Unit 03040105, on left wingwall on upstream side of bridge on Secondary Road 1449, 3.0 mi upstream from mouth, and 8.5 mi northwest of Harrisburg.

DRAINAGE AREA.--21.9 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 608.30 ft above North American Vertical Datum of 1988, from levels. Radio telemetry at station.

REMARKS.--Records poor. Minimum discharge for current water year and period of record is affected by withdrawal from golf course upstream. Minimum discharge for period of record and current water year also occurred August 23-25, September 8-11, 28-30, 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	2.2	3.0	13	37	21	118	9.1	4.2	0.95	9.9	7.9	0.25
2	1.3	2.9	10	26	29	948	9.8	4.3	1.4	3.6	5.7	0.33
3	1.1	2.5	8.6	17	20	103	7.9	3.2	5.9	3.2	4.2	0.19
4	0.93	2.6	7.8	15	17	37	7.5	6.1	2.8	2.7	4.1	0.22
5	1.1	2.7	7.5	25	16	24	6.6	5.8	1.9	2.2	3.9	0.58
6	1.5	2.7	7.0	33	14	20	6.3	5.7	1.2	2.1	2.9	0.21
7	1.2	24	6.7	129	15	18	5.7	4.3	0.75	2.2	2.5	0.29
8	2.4	52	6.5	308	13	15	5.9	3.0	1.3	1.5	2.0	0.08
9	1.9	15	6.1	75	13	14	5.5	3.1	1.9	4.8	0.39	0.04
10	1.3	8.9	6.6	38	13	14	5.8	3.4	1.3	13	0.66	0.03
11	1.3	7.9	6.6	28	12	13	7.8	3.3	0.78	2.2	0.57	0.07
12	15	39	5.7	25	12	12	24	3.6	1.0	0.90	0.58	0.06
13	2.6	15	5.6	22	31	11	10	3.7	1.3	0.46	0.50	0.06
14	1.6	11	5.6	20	140	10	14	2.5	17	0.55	0.34	5.0
15	1.3	8.9	5.5	19	29	9.7	232	2.2	5.3	10	0.36	3.4
16	1.2	243	5.4	17	20	54	74	2.3	2.0	7.3	0.40	0.41
17	57	48	5.7	15	17	31	29	1.7	1.6	1.4	0.36	0.30
18	54	22	5.6	17	14	19	22	e1.7	1.1	11	0.32	0.21
19	13	19	5.2	18	13	16	19	1.8	0.78	8.1	0.29	0.20
20	11	16	4.6	15	14	14	22	2.2	1.2	e2.2	0.24	0.13
21	7.6	29	4.9	20	16	16	16	2.0	1.8	e1.6	0.15	0.30
22	6.4	496	22	63	14	15	13	1.5	1.2	e1.4	0.04	0.23
23	5.2	129	18	29	12	e12	10	1.2	0.79	e0.93	0.00	0.19
24	4.1	40	9.7	23	12	e11	8.2	1.2	8.6	0.62	0.00	0.28
25	3.4	26	140	20	99	e10	6.7	1.3	26	0.74	0.01	0.36
26	3.1	20	61	18	60	e9.0	5.8	1.3	7.4	0.38	0.07	0.18
27	5.4	18	27	16	27	8.5	14	1.3	2.6	1.7	0.26	0.13
28	14	16	20	16	20	7.4	8.3	1.4	2.8	19	0.23	0.05
29	5.0	14	17	15	---	6.5	7.1	0.97	1.8	2.2	0.26	0.00
30	3.7	12	15	14	---	7.0	5.2	0.83	3.3	27	0.37	0.01
31	3.3	---	17	14	---	7.7	---	1.1	---	18	4.0	---
<b>Total</b>	234.13	1,346.1	486.9	1,147	733	1,610.8	618.2	82.20	107.75	162.88	43.60	13.79
<b>Mean</b>	7.55	44.9	15.7	37.0	26.2	52.0	20.6	2.65	3.59	5.25	1.41	0.46
<b>Max</b>	57	496	140	308	140	948	232	6.1	26	27	7.9	5.0
<b>Min</b>	0.93	2.5	4.6	14	12	6.5	5.2	0.83	0.75	0.38	0.00	0.00
<b>Cfsm</b>	0.34	2.05	0.72	1.69	1.20	2.37	0.94	0.12	0.16	0.24	0.06	0.02
<b>In.</b>	0.40	2.29	0.83	1.95	1.25	2.74	1.05	0.14	0.18	0.28	0.07	0.02

**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
<b>Mean</b>	6.32	16.9	19.4	18.7	19.2	28.4	14.7	3.14	6.91	3.89	4.94	18.6
<b>Max</b>	7.64	44.9	28.0	37.0	26.2	52.0	20.7	4.00	14.9	5.65	7.98	62.6
<b>(WY)</b>	(2006)	(2007)	(2006)	(2007)	(2007)	(2007)	(2005)	(2004)	(2005)	(2004)	(2003)	(2004)
<b>Min</b>	2.76	3.19	7.19	4.98	11.6	9.34	8.05	2.33	3.59	1.07	1.41	0.46
<b>(WY)</b>	(2004)	(2004)	(2004)	(2004)	(2006)	(2006)	(2006)	(2006)	(2007)	(2006)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2003 - 2007	
Annual total	4,739.76		6,586.35			
Annual mean	13.0		18.0		13.6	
Highest annual mean					18.0	2007
Lowest annual mean					10.9	2006
Highest daily mean	496	Nov 22	948	Mar 2	1,070	Sep 28, 2004
Lowest daily mean	0.14	Jul 11	0.00	Aug 23	0.00	Aug 23, 2007
Annual seven-day minimum	0.33	Jul 8	0.07	Aug 20	0.07	Aug 20, 2007
Maximum peak flow			2,600	Mar 2	2,600	Mar 2, 2007
Maximum peak stage			11.61	Mar 2	11.61	Mar 2, 2007
Instantaneous low flow			<sup>a</sup> 0.00	Aug 22	<sup>a</sup> 0.00	Aug 22, 2007
Annual runoff (cfsm)	0.593		0.824		0.620	
Annual runoff (inches)	8.05		11.19		8.42	
10 percent exceeds	22		27		23	
50 percent exceeds	5.8		5.9		5.6	
90 percent exceeds	0.92		0.33		0.91	

<sup>a</sup> See Remarks.

