

Water-Data Report 2007

0212419274 CODDLE CREEK AT SECONDARY ROAD 1612 NEAR DAVIDSON, NC

Upper Pee Dee Basin
Rocky Subbasin

LOCATION.--Lat 35°30'14", long 80°44'11" referenced to North American Datum of 1983, Cabarrus County, NC, Hydrologic Unit 03040105, on right downstream wingwall on Secondary Road 1612, 6 mi northeast of Davidson.

DRAINAGE AREA.--22.7 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 655.12 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for current water year and period of record also occurred September 11, 12, 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	3.4	6.0	14	20	12	77	14	10	4.7	3.8	1.5	0.24
2	3.3	5.9	13	17	16	e632	14	9.9	4.6	3.3	1.4	0.19
3	3.2	5.5	12	14	11	e100	13	9.7	10	3.2	1.3	0.16
4	3.2	5.7	11	13	9.3	e45	12	11	7.2	3.0	1.3	0.15
5	3.2	5.8	11	18	8.7	e32	11	12	5.6	2.8	1.1	0.12
6	3.3	6.1	11	20	8.4	e29	10	12	5.0	2.7	1.1	0.10
7	3.3	18	11	43	8.8	24	10	10	4.7	2.6	1.0	0.08
8	3.7	42	10	180	e8.1	22	10	10	4.4	2.8	0.97	0.07
9	3.8	16	11	48	7.9	20	10	10	4.4	2.6	0.93	0.06
10	3.5	12	11	e27	7.9	20	10	9.9	4.1	2.8	0.83	0.05
11	3.6	11	11	21	7.6	18	14	9.6	4.2	3.1	0.77	0.03
12	5.6	19	10	18	7.7	17	28	9.5	4.4	2.7	0.75	0.04
13	3.7	14	10	16	22	17	15	9.3	4.2	2.5	0.70	0.08
14	3.5	12	11	14	106	16	14	8.4	4.4	2.5	0.65	0.45
15	3.5	11	11	12	32	16	92	8.0	4.6	2.4	0.62	0.45
16	3.4	107	10	11	25	41	40	8.0	4.5	2.4	0.59	0.30
17	21	36	9.6	9.2	21	33	28	7.9	4.0	2.3	0.56	0.28
18	26	22	9.6	10	19	24	23	7.3	3.7	2.4	0.55	0.29
19	8.7	17	9.1	11	17	21	20	7.0	3.6	2.2	0.50	0.29
20	10	15	8.7	9.1	16	19	19	7.1	3.8	2.2	0.46	0.29
21	6.6	19	8.7	12	16	18	16	7.0	3.4	2.1	0.48	0.30
22	6.0	252	16	30	14	17	15	6.6	3.3	2.0	0.57	0.30
23	5.8	65	16	17	13	16	14	6.6	3.1	1.8	0.48	0.28
24	5.5	33	11	14	12	15	13	6.4	3.3	1.8	0.43	0.24
25	5.6	24	66	12	38	15	13	6.1	12	2.0	0.37	0.23
26	5.6	20	42	11	34	14	12	5.9	4.6	1.7	0.34	0.23
27	8.0	17	25	10	23	14	17	5.7	4.1	1.7	0.35	0.22
28	13	16	20	9.9	e19	14	13	5.3	5.4	2.1	0.32	0.20
29	7.1	14	18	8.8	---	14	11	5.1	3.7	1.7	0.26	0.18
30	6.2	13	16	8.8	---	13	11	5.0	3.7	2.1	0.29	0.23
31	6.0	---	16	8.5	---	13	---	4.9	---	1.8	0.37	---
Total	198.3	860.0	469.7	673.3	540.4	1,386	542	251.2	142.7	75.1	21.84	6.13
Mean	6.40	28.7	15.2	21.7	19.3	44.7	18.1	8.10	4.76	2.42	0.70	0.20
Max	26	252	66	180	106	632	92	12	12	3.8	1.5	0.45
Min	3.2	5.5	8.7	8.5	7.6	13	10	4.9	3.1	1.7	0.26	0.03
Cfsm	0.28	1.26	0.67	0.96	0.85	1.97	0.80	0.36	0.21	0.11	0.03	0.01
In.	0.32	1.41	0.77	1.10	0.89	2.27	0.89	0.41	0.23	0.12	0.04	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	9.42	16.4	23.2	18.6	22.3	36.5	35.4	27.5	22.9	15.9	10.2	21.3
Max	13.6	28.7	30.5	29.2	29.8	69.2	102	94.2	73.3	32.3	27.8	56.7
(WY)	(2004)	(2007)	(2003)	(2006)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
Min	4.45	9.67	15.2	10.9	16.1	12.8	13.7	8.10	4.76	2.42	0.70	0.20
(WY)	(2003)	(2006)	(2007)	(2003)	(2006)	(2006)	(2006)	(2007)	(2007)	(2007)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2002 - 2007	
Annual total	4,807.5		5,166.67			
Annual mean	13.2		14.2		21.6	
Highest annual mean					43.7	2003
Lowest annual mean					12.7	2006
Highest daily mean	252	Nov 22	632	Mar 2	1,220	Apr 10, 2003
Lowest daily mean	3.2	Oct 3	0.03	Sep 11	0.03	Sep 11, 2007
Annual seven-day minimum	3.3	Oct 1	0.06	Sep 7	0.06	Sep 7, 2007
Maximum peak flow			1,820	Mar 2	2,220	Apr 10, 2003
Maximum peak stage			11.71	Mar 2	12.98	Sep 28, 2004
Instantaneous low flow			^a 0.03	Sep 10	^a 0.03	Sep 10, 2007
Annual runoff (cfsm)	0.580		0.624		0.952	
Annual runoff (inches)	7.88		8.47		12.93	
10 percent exceeds	22		23		31	
50 percent exceeds	10		8.8		13	
90 percent exceeds	3.9		0.44		3.8	

^a See Remarks.

