

Water-Data Report 2008

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 period of record also occurred September 11, 12, 2007.

0212419274 CODDLE CREEK AT SECONDARY ROAD 1612 NEAR DAVIDSON, NC—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.24	1.7	2.3	13	30	6.4	11	7.1	3.5	2.1	12	10
2	0.25	1.6	2.3	8.1	22	e6.3	8.8	6.1	3.4	1.9	2.9	7.8
3	0.24	1.6	2.3	e6.5	13	6.2	8.4	5.7	3.4	1.8	3.1	5.9
4	0.24	1.7	2.3	e6.4	10	16	14	5.6	3.8	1.8	2.3	4.9
5	0.26	1.6	2.4	e6.0	8.5	49	46	5.2	e3.3	1.9	2.0	4.5
6	0.26	1.7	2.3	5.7	7.8	22	39	5.0	3.0	9.3	1.8	4.6
7	0.25	1.7	2.3	5.5	6.7	31	28	4.8	e3.0	9.4	1.7	4.5
8	0.21	1.8	2.4	5.1	6.1	33	21	4.7	2.7	3.4	1.7	4.5
9	0.19	1.9	2.4	5.2	5.9	21	e18	6.7	2.6	5.5	1.6	4.3
10	0.19	1.9	2.4	5.4	5.7	17	e16	5.0	e2.5	13	1.8	9.9
11	0.20	1.9	2.4	6.4	5.5	14	e14	6.2	4.4	8.5	1.8	9.6
12	0.22	2.0	2.5	5.4	5.8	12	13	6.3	8.7	3.2	1.7	5.6
13	0.24	2.0	2.5	5.0	9.1	11	11	4.7	2.4	2.6	1.8	4.8
14	0.23	2.1	2.4	4.9	9.4	10	e11	4.6	2.2	2.4	1.7	4.2
15	0.20	2.5	2.6	4.9	6.5	14	e10	4.5	2.4	2.2	1.6	4.0
16	0.21	2.2	5.8	4.8	6.1	20	7.8	5.8	2.1	2.1	1.7	13
17	0.21	2.1	3.8	13	6.1	13	7.5	4.8	2.0	2.0	1.7	9.6
18	0.21	2.3	3.3	13	9.0	11	7.5	5.0	1.8	1.9	1.7	5.6
19	0.28	2.1	3.0	9.3	6.3	13	7.4	5.3	1.8	1.8	1.8	4.8
20	0.32	2.0	3.0	7.8	6.2	19	8.2	5.0	1.8	1.7	1.8	4.4
21	0.25	2.0	3.5	6.7	6.0	12	7.4	5.1	1.8	1.7	1.7	4.4
22	0.24	2.2	3.4	6.3	6.6	11	7.6	4.2	2.2	1.6	1.7	4.2
23	0.24	2.2	4.0	6.3	e6.5	9.7	7.0	3.9	16	2.8	1.7	3.8
24	0.41	2.2	4.3	5.8	6.3	9.0	7.1	3.8	3.0	2.4	1.7	3.8
25	2.1	2.0	3.4	5.2	6.1	e8.5	6.2	3.8	2.3	1.9	1.8	3.6
26	7.6	2.2	6.6	5.6	12	7.9	6.3	3.7	2.1	1.9	17	9.0
27	2.3	2.3	4.8	5.3	e13	7.4	8.9	3.6	2.0	1.9	778	15
28	1.8	2.2	5.6	5.3	e7.4	7.1	21	5.5	2.1	1.7	84	7.8
29	1.7	2.2	9.0	5.3	6.5	8.2	16	5.3	3.7	2.8	35	7.4
30	1.6	2.2	21	5.2	---	7.5	8.9	4.3	3.2	2.0	22	5.2
31	1.7	---	33	4.8	---	9.4	---	3.9	---	3.0	14	---
Total	24.59	60.1	153.3	203.2	256.1	442.6	404.0	155.2	99.2	102.2	1,006.8	190.7
Mean	0.79	2.00	4.95	6.55	8.83	14.3	13.5	5.01	3.31	3.30	32.5	6.36
Max	7.6	2.5	33	13	30	49	46	7.1	16	13	778	15
Min	0.19	1.6	2.3	4.8	5.5	6.2	6.2	3.6	1.8	1.6	1.6	3.6
Cfs/m	0.03	0.09	0.22	0.29	0.39	0.63	0.59	0.22	0.15	0.15	1.43	0.28
In.	0.04	0.10	0.25	0.33	0.42	0.73	0.66	0.25	0.16	0.17	1.65	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.98	14.0	20.2	16.6	20.0	32.8	31.8	23.7	19.7	13.8	13.9	18.8
Max	13.6	28.7	30.5	29.2	29.8	69.2	102	94.2	73.3	32.3	32.5	56.7
(WY)	(2004)	(2007)	(2003)	(2006)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2008)	(2004)
Min	0.79	2.00	4.95	6.55	8.83	12.8	13.5	5.01	3.31	2.42	0.70	0.20
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2006)	(2008)	(2008)	(2008)	(2007)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2002 - 2008	
Annual total	3,876.66		3,097.99			
Annual mean	10.6		8.46		19.4	
Highest annual mean					43.7	2003
Lowest annual mean					8.46	2008
Highest daily mean	632	Mar 2	778	Aug 27	1,220	Apr 10, 2003
Lowest daily mean	0.03	Sep 11	0.19	Oct 9	0.03	Sep 11, 2007
Annual seven-day minimum	0.06	Sep 7	0.21	Oct 9	0.06	Sep 7, 2007
Maximum peak flow			2,120	Aug 27	2,220	Apr 10, 2003
Maximum peak stage			12.89	Aug 27	12.98	Sep 28, 2004
Instantaneous low flow			0.17	Oct 9	^a 0.03	Sep 10, 2007
Annual runoff (cfs)	0.468		0.373		0.855	
Annual runoff (inches)	6.35		5.08		11.62	
10 percent exceeds	20		13		28	
50 percent exceeds	3.8		4.6		11	
90 percent exceeds	0.25		1.7		2.5	

^aSee Remarks.