

Water-Data Report 2010

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 streamgage.

REMARKS.--No estimated daily discharges, records fair. Minimum discharge for period of record also occurred September 11, 12, 2007. Minimum discharge for current water year also occurred October 2-5.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.9	80	11	22	35	24	30	12	36	7.6	7.7	4.7
2	2.9	21	101	20	45	25	27	11	22	6.1	6.8	4.6
3	2.9	12	88	19	82	26	25	12	22	5.6	6.6	4.5
4	2.9	8.5	35	19	58	23	23	12	18	5.4	6.1	4.3
5	3.6	6.5	27	17	608	22	22	11	16	5.3	24	4.2
6	3.7	6.1	22	17	189	21	21	9.7	15	5.0	29	4.1
7	3.7	5.8	19	16	56	20	20	9.2	18	4.9	17	4.1
8	3.2	6.1	18	17	50	20	20	8.6	13	4.7	11	4.1
9	3.2	5.6	188	15	48	23	26	7.5	12	4.8	8.9	4.1
10	3.5	11	52	15	47	19	20	7.3	12	5.4	7.8	4.0
11	3.3	314	33	15	40	19	18	8.1	12	4.7	7.3	4.0
12	3.8	127	27	15	38	27	18	8.9	11	8.9	6.8	4.3
13	4.7	46	27	14	37	109	17	8.1	11	7.2	6.5	3.9
14	4.5	27	23	14	35	38	17	7.4	12	6.8	6.2	3.8
15	5.3	21	21	14	35	30	17	7.7	12	5.3	6.3	3.7
16	4.8	17	18	14	34	26	17	21	15	4.9	6.5	3.5
17	4.3	14	17	121	32	23	16	228	11	64	6.2	3.4
18	3.9	14	19	45	31	22	15	49	11	37	6.1	3.4
19	3.7	14	32	30	29	21	15	37	10	14	142	3.4
20	3.7	12	34	25	28	20	15	24	9.3	9.6	81	3.4
21	3.7	10	31	26	28	20	17	19	8.5	8.1	18	3.3
22	3.7	9.8	24	29	32	25	16	18	8.2	7.0	12	3.4
23	3.6	25	22	23	30	21	14	16	8.0	6.3	9.2	3.3
24	8.2	19	20	55	31	20	14	15	10	5.9	7.9	3.2
25	6.1	15	384	584	30	19	22	15	11	6.9	6.9	3.2
26	4.5	15	85	57	28	20	15	14	9.2	11	6.0	4.5
27	6.9	16	43	45	27	18	14	13	8.4	7.5	5.6	12
28	37	13	32	41	25	60	14	21	8.1	10	5.3	20
29	9.7	12	27	39	---	265	12	40	7.9	7.8	5.2	9.5
30	6.1	12	24	41	---	53	12	19	22	6.2	5.0	14
31	6.4	---	25	37	---	37	---	33	---	5.7	4.8	---
Total	170.4	915.4	1,529	1,461	1,788	1,116	549	722.5	399.6	299.6	485.7	155.9
Mean	5.50	30.5	49.3	47.1	63.9	36.0	18.3	23.3	13.3	9.66	15.7	5.20
Max	37	314	384	584	608	265	30	228	36	64	142	20
Min	2.9	5.6	11	14	25	18	12	7.3	7.9	4.7	4.8	3.2
Cfsm	0.24	1.34	2.17	2.08	2.81	1.59	0.81	1.03	0.59	0.43	0.69	0.23
In.	0.28	1.50	2.51	2.39	2.93	1.83	0.90	1.18	0.65	0.49	0.80	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.22	15.6	24.0	20.1	24.5	33.4	28.6	22.1	21.7	12.5	12.8	15.1
Max	13.6	30.5	49.3	47.1	63.9	69.2	102	94.2	73.3	32.3	32.5	56.7
(WY)	(2004)	(2010)	(2010)	(2010)	(2010)	(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 2009		Water Year 2010		Water Years 2002 - 2010	
Annual total	7,143.5		9,592.1			
Annual mean	19.6		26.3		19.8	
Highest annual mean					43.7	2003
Lowest annual mean					8.46	2008
Highest daily mean	427	Jun 5	608	Feb 5	1,220	Apr 10, 2003
Lowest daily mean	1.7	Sep 7	2.9	Oct 1	0.03	Sep 11, 2007
Annual seven-day minimum	1.9	Sep 3	3.2	Oct 1	0.06	Sep 7, 2007
Maximum peak flow			1,950	Jan 25	2,220	Apr 10, 2003
Maximum peak stage			12.23	Jan 25	12.98	Sep 28, 2004
Instantaneous low flow			^a 2.8	Oct 1	^a 0.03	Sep 10, 2007
Annual runoff (cfsm)	0.862		1.16		0.871	
Annual runoff (inches)	11.71		15.72		11.84	
10 percent exceeds	33		41		30	
50 percent exceeds	10		15		11	
90 percent exceeds	3.1		4.1		3.0	

^a See Remarks.

