

0212419274 CODDLE CREEK AT SECONDARY ROAD 1612 NEAR DAVIDSON, NC

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

DRAINAGE AREA.--22.7 mi².

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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	9.2	17	14	16	47	28	19	11	6.7	11	5.9
2	21	9.2	15	14	15	32	26	14	36	6.6	8.1	5.6
3	28	11	15	14	29	26	23	14	19	24	7.4	5.2
4	25	39	14	14	27	23	21	13	14	554	7.0	5.1
5	17	23	13	14	20	21	20	13	11	29	6.7	5.2
6	15	16	13	14	18	19	19	14	10	15	6.6	5.0
7	14	15	16	14	17	19	19	13	9.2	12	6.6	5.0
8	13	13	14	14	17	34	20	13	9.8	11	7.3	5.3
9	12	12	41	13	17	25	19	12	15	9.4	25	4.5
10	12	12	348	13	16	21	18	13	23	9.2	12	4.3
11	11	12	55	13	16	20	17	16	12	9.3	9.1	4.2
12	11	25	36	13	16	19	19	14	9.9	9.9	7.6	4.4
13	12	26	28	13	16	19	27	15	9.4	8.9	7.1	4.0
14	11	17	23	90	17	20	91	16	8.9	9.2	7.2	4.2
15	10	15	21	33	16	18	33	15	8.1	8.7	6.9	4.0
16	9.6	15	19	25	16	33	25	13	8.1	8.4	6.6	4.3
17	9.4	14	18	21	15	42	22	12	7.6	8.1	6.5	4.6
18	9.4	13	17	19	14	32	20	12	7.4	7.6	71	4.1
19	9.6	13	17	18	14	26	18	11	8.0	7.5	18	3.9
20	9.7	13	15	18	15	24	17	17	9.2	7.3	11	3.9
21	9.5	12	16	17	22	22	16	13	7.9	e6.9	8.5	3.9
22	9.5	12	16	17	21	21	17	11	7.4	e6.0	7.7	3.9
23	9.3	17	25	e16	17	53	17	12	7.0	5.5	7.6	4.0
24	9.6	23	20	e16	39	35	15	12	6.9	5.4	8.1	3.8
25	9.4	28	17	16	28	27	15	10	6.7	5.6	7.2	3.7
26	9.3	18	16	16	22	24	15	10	6.8	e5.5	7.0	4.1
27	9.4	19	15	14	20	23	15	10	7.0	e6.1	6.8	4.2
28	13	37	15	14	111	295	14	11	7.8	6.1	6.7	3.8
29	11	22	15	15	---	63	14	9.7	7.7	25	6.5	3.9
30	10	18	15	19	---	39	15	10	7.2	20	6.6	3.7
31	9.6	---	15	18	---	32	---	9.6	---	22	6.4	---
TOTAL	393.3	528.4	940	579	627	1,154	655	397.3	319.0	875.9	327.8	131.7
MEAN	12.7	17.6	30.3	18.7	22.4	37.2	21.8	12.8	10.6	28.3	10.6	4.39
MAX	28	39	348	90	111	295	91	19	36	554	71	5.9
MIN	9.3	9.2	13	13	14	18	14	9.6	6.7	5.4	6.4	3.7
CFSM	0.56	0.78	1.34	0.82	0.99	1.64	0.96	0.56	0.47	1.24	0.47	0.19
IN.	0.64	0.87	1.54	0.95	1.03	1.89	1.07	0.65	0.52	1.44	0.54	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

	2002	2003	2004	2005
MEAN	10.3	14.5	25.4	14.1
MAX	13.6	17.6	30.5	18.7
(WY)	(2004)	(2005)	(2003)	(2005)
MIN	4.45	12.8	15.4	10.9
(WY)	(2003)	(2003)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2002 - 2005

ANNUAL TOTAL	7,343.6	6,928.4		
ANNUAL MEAN	20.1	19.0	27.0	
HIGHEST ANNUAL MEAN			43.7	2003
LOWEST ANNUAL MEAN			18.5	2004
HIGHEST DAILY MEAN	916	Sep 28	554	Jul 4
LOWEST DAILY MEAN	2.9	Aug 28	3.7	Sep 25
ANNUAL SEVEN-DAY MINIMUM	3.2	Aug 23	3.9	Sep 19
MAXIMUM PEAK FLOW			2,130	Jul 4
MAXIMUM PEAK STAGE			12.91	Jul 4
INSTANTANEOUS LOW FLOW			3.4	Sep 30
ANNUAL RUNOFF (CFSM)	0.884	0.836	1.19	
ANNUAL RUNOFF (INCHES)	12.03	11.35	16.19	
10 PERCENT EXCEEDS	26	27	37	
50 PERCENT EXCEEDS	13	14	14	
90 PERCENT EXCEEDS	6.7	6.1	5.9	

e Estimated.

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

