

02146348 COFFEY CREEK NEAR CHARLOTTE, NC

LOCATION.--Lat 35°08'45", long 80°55'37", Mecklenburg County, Hydrologic Unit 03050103 on left bank at culvert on State Highway 49, 1.2 mi upstream from mouth, and 7.5 mi southwest of Charlotte.

DRAINAGE AREA.--9.14 mi<sup>2</sup>.

PERIOD OF RECORD.-- October 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 565.72 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Maximum discharge for period of record from rating curve extended above 950 ft<sup>3</sup>/s. Minimum discharge for period of record also occurred July 13, 2002. Minimum discharge for current water year also occurred Sept. 20, 22.

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	3.7	1.3	4.1	2.6	3.3	13	14	11	15	3.9	5.0	1.1
2	2.4	1.2	2.6	2.6	2.7	6.4	11	3.5	92	3.3	3.0	0.98
3	6.9	1.7	2.5	2.5	41	4.7	7.2	2.7	9.6	1.9	1.7	0.78
4	2.9	29	2.3	3.0	11	3.9	5.7	2.3	4.5	1.6	2.2	0.68
5	2.4	5.6	2.2	2.5	5.8	3.5	5.1	2.2	3.1	1.4	5.2	0.61
6	2.6	2.2	13	2.5	4.4	3.1	4.6	3.0	3.6	1.8	1.6	0.57
7	2.5	1.8	8.8	2.2	3.9	3.0	5.5	2.1	21	16	1.4	0.57
8	1.9	1.6	4.5	2.2	3.8	32	5.2	2.5	22	4.6	38	0.81
9	1.5	1.5	12	2.1	3.4	6.0	4.4	2.1	6.4	1.9	54	0.68
10	1.5	1.6	110	2.0	3.1	4.3	3.7	5.9	7.8	1.5	7.8	0.56
11	1.4	1.5	12	2.3	2.8	3.8	3.5	7.8	3.6	3.4	3.8	0.47
12	1.4	16	6.7	2.4	3.2	3.3	42	11	2.3	2.9	8.1	0.50
13	14	5.6	6.6	2.7	3.4	3.0	59	19	2.4	2.5	6.0	0.53
14	3.3	2.4	4.1	77	9.8	6.2	71	3.7	1.9	1.7	2.0	0.53
15	2.4	1.8	3.6	6.3	5.1	2.9	11	3.6	1.6	1.4	1.7	0.59
16	2.3	1.6	3.2	4.7	3.3	37	7.0	5.6	1.4	1.0	1.4	4.1
17	1.7	1.6	2.9	3.4	2.7	28	5.6	2.2	1.4	1.3	13	1.3
18	1.7	1.6	2.8	2.9	2.5	8.4	4.8	2.1	1.4	2.8	4.7	0.55
19	1.7	1.6	2.7	2.8	2.3	5.4	4.3	1.9	38	1.2	2.0	0.36
20	1.7	1.7	2.4	2.9	3.0	4.3	3.9	17	5.9	1.3	1.4	0.49
21	1.6	1.7	2.4	2.8	19	3.7	3.5	3.7	3.2	0.92	1.2	0.54
22	1.5	1.7	2.3	2.6	6.6	19	9.9	2.5	2.1	1.9	1.0	0.40
23	1.5	6.2	26	2.5	3.7	85	6.7	2.1	3.0	1.1	35	0.43
24	2.1	26	6.0	2.2	25	13	3.5	1.9	1.6	0.82	6.6	0.45
25	1.6	9.3	4.0	2.4	5.8	7.7	3.0	1.9	1.5	0.89	2.3	0.74
26	1.3	3.1	3.3	2.4	3.9	6.0	2.8	1.9	8.7	0.90	1.8	0.50
27	1.2	12	2.9	2.2	4.1	8.3	2.8	1.9	38	0.86	1.5	0.58
28	1.2	21	2.7	1.9	109	266	2.7	1.9	82	7.3	1.3	0.57
29	1.4	4.3	2.7	2.4	---	26	2.4	1.8	9.3	62	1.1	4.6
30	1.5	3.1	2.7	17	---	12	10	5.4	3.4	66	1.4	1.9
31	1.3	---	2.7	5.5	---	33	---	2.3	---	12	1.8	---
TOTAL	76.1	171.3	266.7	175.5	297.6	661.9	325.8	138.5	397.7	212.09	219.0	27.47
MEAN	2.45	5.71	8.60	5.66	10.6	21.4	10.9	4.47	13.3	6.84	7.06	0.92
MAX	14	29	110	77	109	266	71	19	92	66	54	4.6
MIN	1.2	1.2	2.2	1.9	2.3	2.9	2.4	1.8	1.4	0.82	1.0	0.36
CFSM	0.27	0.62	0.94	0.62	1.16	2.34	1.19	0.49	1.45	0.75	0.77	0.10
IN.	0.31	0.70	1.09	0.71	1.21	2.69	1.33	0.56	1.62	0.86	0.89	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004	2005
MEAN	5.24	4.82	7.71	7.96	10.1	15.8	13.9
MAX	15.0	14.7	23.8	12.4	14.4	35.5	45.7
(WY)	(2000)	(2003)	(2003)	(2002)	(2000)	(2003)	(2003)
MIN	0.88	1.81	2.74	1.94	3.93	5.17	2.85
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(1999)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1999 - 2005

ANNUAL TOTAL	3,293.51	2,969.66	
ANNUAL MEAN	9.00	8.14	9.13
HIGHEST ANNUAL MEAN			23.6
LOWEST ANNUAL MEAN			4.84
HIGHEST DAILY MEAN	173	Jul 18	266
LOWEST DAILY MEAN	0.72	May 30	0.36
ANNUAL SEVEN-DAY MINIMUM	0.98	Aug 4	0.46
MAXIMUM PEAK FLOW			703
MAXIMUM PEAK STAGE			9.89
INSTANTANEOUS LOW FLOW			0.33*
ANNUAL RUNOFF (CFSM)	0.985		0.890
ANNUAL RUNOFF (INCHES)	13.40		12.09
10 PERCENT EXCEEDS	17		16
50 PERCENT EXCEEDS	2.7		2.8
90 PERCENT EXCEEDS	1.3		1.2

\* See REMARKS.

