

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 mi².

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.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record from rating curve extended above 950 ft³/s. Minimum discharge for period of record also occurred July 13, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.6	1.5	1.5	1.5	18	38	11	1.4	4.9	2.0	1.4
2	1.5	1.6	1.5	1.5	1.7	15	11	62	0.88	4.6	1.8	1.1
3	1.5	1.6	1.5	1.5	19	7.5	9.3	11	0.78	13	2.0	0.94
4	1.4	1.6	2.6	1.6	3.0	5.4	8.4	4.9	1.8	6.6	1.3	0.90
5	1.5	1.6	e7.0	4.6	2.3	4.6	7.5	3.4	0.89	5.2	1.2	0.84
6	1.5	1.7	e2.9	3.0	119	4.2	6.7	2.8	0.72	3.0	1.1	3.6
7	1.6	1.7	e1.8	1.6	35	3.7	6.6	3.1	0.73	2.7	0.92	137
8	4.1	3.0	e1.7	1.5	8.0	3.4	6.5	2.2	11	2.4	0.78	144
9	e2.8	1.6	1.5	2.1	5.8	3.2	6.3	2.1	12	2.4	0.74	12
10	1.9	1.4	44	1.8	4.7	3.4	6.1	2.2	2.9	2.4	0.83	5.0
11	13	1.5	7.7	1.5	4.1	3.1	6.1	1.8	1.6	7.0	2.2	3.4
12	2.4	1.4	3.5	1.5	26	2.9	18	1.8	1.3	2.5	64	2.3
13	1.9	1.4	6.5	1.5	6.3	2.8	46	1.7	38	2.3	66	1.9
14	1.9	1.4	65	1.4	5.8	2.7	8.9	1.6	59	2.1	88	2.1
15	1.8	1.3	6.2	1.4	8.3	2.9	5.4	1.3	12	1.9	8.7	1.7
16	1.6	1.4	3.7	1.4	5.2	4.5	4.1	2.0	18	1.8	4.3	1.7
17	1.6	1.4	7.2	1.3	3.6	3.1	3.6	1.9	4.0	7.5	2.8	46
18	1.6	1.4	3.3	4.0	3.3	2.9	3.2	2.2	2.7	173	2.1	5.9
19	1.6	11	2.6	2.1	3.0	4.0	3.3	2.0	2.0	6.6	1.7	2.6
20	1.6	2.8	2.2	1.6	3.0	3.1	3.0	1.3	1.7	4.2	1.7	1.9
21	1.6	1.8	2.0	1.6	2.9	5.4	2.8	1.1	35	3.2	14	1.6
22	1.5	1.6	2.0	1.5	2.5	3.4	2.6	1.0	9.6	2.7	7.7	1.3
23	1.5	1.5	1.9	1.5	2.5	3.4	2.5	1.7	99	2.6	2.9	1.2
24	1.5	1.6	1.9	1.4	2.6	3.6	2.4	2.3	58	2.4	1.8	1.1
25	1.5	1.6	1.8	1.8	2.5	3.8	2.4	1.0	98	2.2	1.5	1.3
26	1.6	1.5	1.6	1.9	3.4	4.0	2.6	0.88	87	2.8	1.3	0.96
27	2.1	1.5	1.6	2.6	18	4.4	3.3	1.0	12	46	1.2	30
28	5.5	2.6	1.6	3.6	16	4.5	2.1	1.4	7.9	4.3	1.1	161
29	12	1.8	1.6	2.3	18	4.8	1.8	1.8	5.8	22	3.5	7.8
30	2.1	1.5	1.6	1.9	---	7.8	1.9	0.72	4.8	4.4	7.6	4.1
31	1.8	---	1.5	1.6	---	31	---	9.1	---	2.6	3.9	---
TOTAL	81.1	59.4	193.0	60.1	337.0	176.5	232.4	144.30	590.50	351.3	300.67	586.64
MEAN	2.62	1.98	6.23	1.94	11.6	5.69	7.75	4.65	19.7	11.3	9.70	19.6
MAX	13	11	65	4.6	119	31	46	62	99	173	88	161
MIN	1.4	1.3	1.5	1.3	1.5	2.7	1.8	0.72	0.72	1.8	0.74	0.84
CFSM	0.29	0.22	0.68	0.21	1.27	0.62	0.85	0.51	2.15	1.24	1.06	2.14
IN.	0.33	0.24	0.79	0.24	1.37	0.72	0.95	0.59	2.40	1.43	1.22	2.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	5.70	4.68	7.56	8.35	9.98	14.9	14.4	11.9	10.1	6.31	8.67	9.10
MAX	15.0	14.7	23.8	12.4	14.4	35.5	45.7	51.6	27.9	12.9	30.8	19.6
(WY)	(2000)	(2003)	(2003)	(2002)	(2000)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	0.88	1.81	2.74	1.94	3.93	5.17	2.85	2.97	1.63	2.51	0.44	4.01
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(1999)	(2002)	(2000)	(2002)	(1999)	(2001)	(1999)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	7,386.0		3,112.91		9.29	
ANNUAL MEAN	20.2		8.51		4.84	
HIGHEST ANNUAL MEAN					23.6	2003
LOWEST ANNUAL MEAN					4.84	2002
HIGHEST DAILY MEAN	626	May 22	173	Jul 18	626	May 22, 2003
LOWEST DAILY MEAN	1.3	Nov 15	0.72	May 30	0.05	Aug 28, 2001
ANNUAL SEVEN-DAY MINIMUM	1.4	Nov 12	0.98	Aug 4	0.09	Aug 23, 2001
MAXIMUM PEAK FLOW			844	Jul 18	1440*	Jun 8, 2003
MAXIMUM PEAK STAGE			10.33	Jul 18	11.75	Jun 8, 2003
INSTANTANEOUS LOW FLOW			0.59	Aug 8	0.02*	Sep 20, 2001
ANNUAL RUNOFF (CFSM)	2.21		0.931		1.02	
ANNUAL RUNOFF (INCHES)	30.06		12.67		13.81	
10 PERCENT EXCEEDS	43		13		17	
50 PERCENT EXCEEDS	5.5		2.5		2.5	
90 PERCENT EXCEEDS	1.6		1.4		0.66	

* See REMARKS.

e Estimated.

