

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. 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 and current water year from rating curve extended above 950 ft³/s. Minimum discharge for period of record also occurred July 13, 2002. Minimum discharge for current water year also occurred Oct. 7, 10, 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	2.1	1.8	9.2	8.1	35	7.0	3.9	6.9	3.0	8.9	25
2	1.1	2.0	1.8	4.6	5.9	41	5.4	12	4.6	81	4.9	e5.5
3	0.98	1.6	1.7	12	4.8	10	4.4	7.8	42	8.6	20	4.8
4	0.92	1.6	5.4	4.5	8.9	6.9	3.9	4.3	34	3.8	48	7.5
5	0.86	23	109	3.5	4.3	8.8	8.1	4.5	9.0	2.9	129	5.8
6	0.81	52	18	e3.2	5.7	175	6.8	124	7.5	2.7	e30	4.3
7	0.83	6.3	9.1	e3.0	35	21	249	32	259	4.0	8.3	4.2
8	0.95	3.4	5.5	e2.7	7.1	11	47	10	277	5.1	10	4.5
9	1.7	2.6	5.1	e2.6	5.2	8.3	140	6.9	49	12	104	4.1
10	0.95	2.4	3.9	e2.5	12	6.4	425	5.9	15	5.5	77	3.8
11	138	19	40	e2.3	5.4	5.7	90	5.9	8.5	16	e110	3.7
12	9.9	118	7.9	e2.2	4.3	5.0	29	4.4	10	7.3	e12	3.7
13	27	24	116	2.2	3.6	4.5	14	3.3	7.1	68	13	3.7
14	8.7	8.4	25	2.1	6.3	4.0	9.8	2.8	5.6	7.3	98	3.5
15	35	4.6	11	2.0	7.1	5.8	8.3	43	7.6	4.1	101	9.2
16	95	78	6.4	2.2	6.6	68	7.7	89	7.2	3.6	e25	5.8
17	8.6	43	4.7	4.4	14	11	6.7	8.8	10	18	e12	3.5
18	3.6	11	4.0	2.1	14	20	124	19	18	3.3	9.4	3.7
19	2.7	7.1	3.5	2.0	7.4	13	69	13	19	3.7	8.6	4.4
20	2.3	5.2	21	2.1	5.5	466	23	6.2	7.1	4.7	7.5	3.1
21	3.2	3.8	5.1	3.0	4.6	40	16	73	4.5	28	6.8	4.0
22	5.9	3.3	3.7	2.9	89	16	11	626	3.6	19	41	14
23	2.4	2.8	3.2	6.1	20	11	8.1	123	3.2	5.1	15	49
24	2.0	2.6	172	3.8	7.6	8.1	7.0	36	2.6	2.9	7.1	3.8
25	1.7	2.4	103	3.3	5.6	6.9	14	81	2.3	3.2	6.3	2.1
26	3.8	2.2	18	3.3	12	5.7	14	42	1.9	28	6.2	2.1
27	1.9	2.2	9.9	3.1	56	5.3	7.0	161	2.9	2.6	5.5	2.8
28	15	2.0	7.2	2.5	23	4.5	6.1	20	7.4	2.3	5.5	7.9
29	11	2.1	5.4	4.7	---	4.3	5.7	9.6	2.3	24	12	1.8
30	4.5	2.0	4.4	76	---	61	5.4	7.0	2.0	12	5.3	1.7
31	2.5	---	4.0	18	---	11	---	14	---	8.5	6.2	---
TOTAL	394.90	440.7	736.7	198.1	389.0	1,100.2	1,372.4	1,599.3	836.8	400.2	953.5	203.0
MEAN	12.7	14.7	23.8	6.39	13.9	35.5	45.7	51.6	27.9	12.9	30.8	6.77
MAX	138	118	172	76	89	466	425	626	277	81	129	49
MIN	0.81	1.6	1.7	2.0	3.6	4.0	3.9	2.8	1.9	2.3	4.9	1.7
CFSM	1.39	1.61	2.60	0.70	1.52	3.88	5.01	5.64	3.05	1.41	3.37	0.74
IN.	1.61	1.79	3.00	0.81	1.58	4.48	5.59	6.51	3.41	1.63	3.88	0.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	6.32	5.22	7.83	9.63	9.64	16.7	15.7	13.3	8.20	5.30	8.46	7.01
MAX	15.0	14.7	23.8	12.4	14.4	35.5	45.7	51.6	27.9	12.9	30.8	11.8
(WY)	(2000)	(2003)	(2003)	(2002)	(2000)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	0.88	1.81	2.74	5.48	3.93	5.17	2.85	2.97	1.63	2.51	0.44	4.01
(WY)	(2001)	(2002)	(2001)	(2001)	(2002)	(1999)	(2002)	(2000)	(2002)	(1999)	(2001)	(1999)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	3,114.06		8,624.80		9.45	
ANNUAL MEAN	8.53		23.6		23.6	
HIGHEST ANNUAL MEAN					4.84	2003
LOWEST ANNUAL MEAN					0.05	2002
HIGHEST DAILY MEAN	172	Dec 24	626	May 22	626	May 22, 2003
LOWEST DAILY MEAN	0.06	Aug 14	0.81	Oct 6	0.09	Aug 28, 2001
ANNUAL SEVEN-DAY MINIMUM	0.14	Jul 6	0.92	Oct 2	0.09	Aug 23, 2001
MAXIMUM PEAK FLOW			1,440*	Jun 8	1,440*	Jun 8, 2003
MAXIMUM PEAK STAGE			11.75	Jun 8	11.75	Jun 8, 2003
INSTANTANEOUS LOW FLOW			0.76*	Oct 6	0.02*	Sep 20, 2001
ANNUAL RUNOFF (CFSM)	0.93		2.59		1.03	
ANNUAL RUNOFF (INCHES)	12.67		35.10		14.05	
10 PERCENT EXCEEDS	21		64		17	
50 PERCENT EXCEEDS	1.9		6.6		2.6	
90 PERCENT EXCEEDS	0.38		2.2		0.59	

e Estimated.
 * See REMARKS.

