

02146670 FOUR MILE CREEK NEAR PINEVILLE, NC

LOCATION.--Lat 35°04'37", long 80°49'21", Mecklenburg County, Hydrologic Unit 03050103, on left bank on downstream side of bridge at Elm Lane W. (Secondary Road 3649), 0.5 mi south of State Highway 51, 1.25 mi upstream of McAlpine Creek, and 4.5 mi east of U.S. Highway 521 at Pineville.

DRAINAGE AREA.--17.8 mi².

PERIOD OF RECORD.-- July 1997 to September 2003 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 528.69 ft above NGVD of 1929, North American Vertical Datum of 1988 (City of Charlotte bench mark). Radio telemetry at station.

REMARKS.--Records poor. Maximum discharge for period of record and current water year from rating curve extended above 885 ft³/s.

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	e2.0	13	20	14	21	36	25	8.7	35	34	26	16
2	e1.4	13	20	13	14	79	21	13	21	294	19	11
3	e1.3	14	e22	11	11	27	19	19	59	41	21	9.3
4	e1.1	14	22	7.0	17	19	18	21	50	20	26	13
5	1.1	35	165	5.5	11	26	24	12	27	14	43	17
6	1.0	115	52	5.4	12	278	22	612	23	10	38	9.6
7	0.96	24	32	2.9	111	54	325	98	500	8.2	21	9.2
8	1.1	19	26	2.2	23	31	93	40	131	7.1	17	9.5
9	1.5	18	24	2.4	13	25	288	26	56	5.7	21	9.1
10	1.6	18	23	2.5	32	28	663	18	30	6.0	55	8.1
11	195	57	98	1.8	17	22	174	15	23	43	75	7.4
12	8.4	163	36	1.8	11	18	60	15	20	33	22	7.3
13	98	48	274	2.3	7.9	27	33	9.4	19	202	23	e7.0
14	17	26	70	2.4	10	23	25	7.1	15	32	129	e6.8
15	17	22	31	2.4	16	43	20	67	14	18	140	e7.0
16	116	106	22	2.2	29	207	17	135	95	13	113	e8.0
17	15	127	17	6.4	34	47	15	29	154	18	40	e7.0
18	8.1	40	14	3.8	42	51	183	26	374	10	24	e6.8
19	5.4	28	13	2.8	29	34	96	31	160	74	19	e8.0
20	5.3	24	59	3.2	20	778	38	22	46	55	17	e7.0
21	6.2	23	24	5.5	16	102	31	20	24	30	15	e6.6
22	12	23	16	10	269	50	28	332	17	85	14	e14
23	7.1	21	12	11	69	30	18	112	13	53	13	39
24	5.3	21	203	12	22	24	15	45	10	30	12	3.4
25	6.5	21	180	8.0	15	20	24	147	8.7	24	11	1.9
26	9.2	21	41	8.8	16	18	33	79	7.6	15	10	1.7
27	10	21	26	8.8	166	19	22	38	7.8	14	9.8	1.6
28	25	21	19	6.2	69	19	13	35	13	12	9.0	7.3
29	32	16	15	7.6	---	17	11	38	11	176	16	2.0
30	19	21	11	166	---	150	9.3	33	29	78	18	1.5
31	14	---	9.9	55	---	47	---	41	---	39	27	---
TOTAL	644.56	1,133	1,596.9	393.9	1,122.9	2,349	2,363.3	2,144.2	1,993.1	1,494.0	1,043.8	263.1
MEAN	20.8	37.8	51.5	12.7	40.1	75.8	78.8	69.2	66.4	48.2	33.7	8.77
MAX	195	163	274	166	269	778	663	612	500	294	140	39
MIN	0.96	13	9.9	1.8	7.9	17	9.3	7.1	7.6	5.7	9.0	1.5
CFSM	1.17	2.12	2.89	0.71	2.25	4.26	4.43	3.89	3.73	2.71	1.89	0.49
IN.	1.35	2.37	3.34	0.82	2.35	4.91	4.94	4.48	4.17	3.12	2.18	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	12.4	14.7	20.0	30.4	28.2	35.1	31.3	18.8	18.4	20.1	11.8	14.1
MAX	23.6	37.8	51.5	56.2	46.1	75.8	78.8	69.2	66.4	48.2	33.7	34.8
(WY)	(1998)	(2003)	(2003)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2000)
MIN	0.98	2.56	5.94	12.7	12.9	10.8	6.18	3.03	2.40	5.61	0.33	4.21
(WY)	(2001)	(2002)	(2000)	(2003)	(2001)	(1999)	(2001)	(1999)	(2002)	(2002)	(2001)	(1999)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	6,761.04		16,541.76		21.3	
ANNUAL MEAN	18.5		45.3		45.3	
HIGHEST ANNUAL MEAN					10.5	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	357	Aug 31	778	Mar 20	778	Mar 20, 2003
LOWEST DAILY MEAN	0.01	Aug 14	0.96	Oct 7	0.01	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	0.06	Aug 8	1.1	Oct 2	0.06	Aug 8, 2002
MAXIMUM PEAK FLOW			1420*	Mar 20	1630*	Jul 27, 1998
MAXIMUM PEAK STAGE			11.23	Mar 20	11.58	Jul 27, 1998
INSTANTANEOUS LOW FLOW			NOT DETERMINED		NOT DETERMINED	
ANNUAL RUNOFF (CFSM)	1.04		2.55		1.20	
ANNUAL RUNOFF (INCHES)	14.13		34.57		16.27	
10 PERCENT EXCEEDS	42		112		47	
50 PERCENT EXCEEDS	5.7		20		6.2	
90 PERCENT EXCEEDS	0.46		5.9		0.88	

e Estimated.
 * See REMARKS.

