

02142900 LONG CREEK NEAR PAW CREEK, NC

LOCATION.--Lat 35°19'43", long 80°54'35", Mecklenburg County, Hydrologic Unit 03050101, on right bank at upstream side of bridge on Secondary Road 2042, 600 ft downstream of McIntyre Creek, 1.2 mi upstream from Gutter Branch, and 3.6 mi north of Paw Creek.

DRAINAGE AREA.--16.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1965 to current year.

REVISED RECORDS.--WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage and concrete control. Datum of gage is 647.69 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Frequent diversions during summer months for irrigation by upstream golf course. Minimum discharge for period of record based on discharge measurement made Aug. 15, 2002, and may be lower.

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	9.1	4.7	9.7	5.5	6.7	29	27	20	11	8.0	12	1.9
2	7.4	4.7	7.5	5.4	5.8	15	18	8.9	103	6.7	6.2	1.7
3	35	5.5	6.2	5.6	43	10	14	6.3	22	4.8	4.4	1.6
4	14	81	5.6	5.5	17	8.4	11	5.7	11	9.3	3.7	1.6
5	7.6	17	5.2	5.5	9.7	7.4	9.6	5.6	7.1	4.2	3.3	1.5
6	5.9	8.6	5.8	5.6	7.9	6.5	9.0	6.8	24	6.0	3.1	1.6
7	6.1	6.5	13	5.3	7.7	6.2	8.9	5.9	67	18	3.2	1.4
8	5.7	5.8	6.5	5.1	7.0	75	24	5.3	44	12	25	1.7
9	5.6	5.2	29	5.0	6.5	23	24	4.8	e180	4.9	27	1.5
10	5.9	5.0	256	6.3	6.4	12	10	8.5	139	3.7	8.2	1.5
11	5.1	5.1	26	5.3	5.4	8.9	8.9	16	31	18	5.2	1.4
12	4.8	18	15	5.1	5.2	7.6	63	6.0	14	18	3.5	1.6
13	6.4	13	11	4.9	5.0	6.7	94	5.0	9.4	9.7	4.0	1.2
14	5.1	5.9	8.9	135	10	11	128	5.1	7.3	4.6	16	1.2
15	4.2	5.0	7.8	16	9.0	8.1	25	7.3	5.8	3.5	7.9	1.2
16	3.7	5.0	7.7	9.9	8.3	54	15	6.1	4.6	3.1	3.3	1.1
17	3.6	4.6	7.6	7.7	12	58	12	4.5	3.9	2.8	2.6	1.2
18	3.8	4.5	7.0	6.3	6.0	25	11	4.2	3.5	3.3	5.8	1.1
19	3.9	4.4	6.5	5.9	5.1	14	9.4	4.0	6.8	4.0	3.3	1.1
20	4.4	4.4	5.7	6.2	5.4	10	8.9	18	6.1	2.4	2.7	1.0
21	5.2	4.6	5.9	5.9	28	8.6	8.0	8.8	3.8	2.2	2.4	1.0
22	5.7	4.4	5.9	5.5	15	11	7.7	4.7	3.4	6.7	2.2	0.83
23	5.2	6.9	33	5.0	8.7	87	12	4.2	3.1	4.0	3.5	0.72
24	7.4	35	14	4.6	46	29	7.7	3.9	2.7	2.3	6.0	0.73
25	6.0	24	8.9	5.0	15	15	6.7	3.4	2.9	1.8	2.7	0.75
26	5.0	9.2	7.3	5.1	8.9	11	6.2	3.7	16	1.7	2.2	0.80
27	5.0	20	6.7	4.6	7.7	9.4	6.2	3.7	204	1.6	3.5	0.84
28	6.9	48	5.9	4.1	183	445	6.0	3.6	170	e9.9	2.6	0.93
29	6.9	11	6.0	4.6	---	44	5.8	3.8	27	e83	2.0	0.75
30	5.9	8.4	5.9	23	---	23	8.4	3.9	12	42	2.0	0.62
31	5.1	---	5.7	12	---	28	---	4.2	---	49	2.6	---
TOTAL	211.6	385.4	552.9	336.5	501.4	1,106.8	605.4	201.9	1,145.4	351.2	182.1	36.07
MEAN	6.83	12.8	17.8	10.9	17.9	35.7	20.2	6.51	38.2	11.3	5.87	1.20
MAX	35	81	256	135	183	445	128	20	204	83	27	1.9
MIN	3.6	4.4	5.2	4.1	5.0	6.2	5.8	3.4	2.7	1.6	2.0	0.62
CFSM	0.42	0.78	1.09	0.66	1.09	2.18	1.23	0.40	2.33	0.69	0.36	0.07
IN.	0.48	0.87	1.25	0.76	1.14	2.51	1.37	0.46	2.60	0.80	0.41	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

MEAN	13.6	14.0	18.8	28.1	32.3	34.7	20.9	16.5	13.3	9.18	9.56	9.49
MAX	70.8	91.3	59.5	74.4	78.4	86.8	87.6	101	66.5	58.4	59.0	66.2
(WY)	(1991)	(1986)	(1984)	(1993)	(1979)	(1993)	(2003)	(1975)	(1982)	(1997)	(1967)	(2004)
MIN	1.16	1.39	2.53	4.04	6.42	8.31	4.38	3.60	1.68	1.08	1.07	1.20
(WY)	(2002)	(2002)	(1966)	(1981)	(2002)	(1999)	(1967)	(1981)	(1986)	(1986)	(2001)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1965 - 2005	
ANNUAL TOTAL	6,389.0		5,616.67		18.4	
ANNUAL MEAN	17.5		15.4		40.8	
HIGHEST ANNUAL MEAN					6.45	2003
LOWEST ANNUAL MEAN					1,600	Oct 9, 1976
HIGHEST DAILY MEAN	772	Sep 28	445	Mar 28	0.06	Aug 9, 2002
LOWEST DAILY MEAN	1.3	Jul 16	0.62	Sep 30	0.03	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	3.0	Jul 20	0.77	Sep 24	0.06	Aug 9, 2002
MAXIMUM PEAK FLOW			1,380	Mar 28	4,300	Jun 18, 1982
MAXIMUM PEAK STAGE			10.54	Mar 28	13.45	Jul 23, 1997
INSTANTANEOUS LOW FLOW			0.57	Sep 30	0.03*	Aug 15, 2002
ANNUAL RUNOFF (CFSM)	1.06		0.938		1.12	
ANNUAL RUNOFF (INCHES)	14.49		12.74		15.25	
10 PERCENT EXCEEDS	33		27		30	
50 PERCENT EXCEEDS	5.8		6.1		6.5	
90 PERCENT EXCEEDS	3.0		2.2		1.8	

* See REMARKS.

e Estimated.

