

0214295600 PAW CREEK AT WILKINSON BOULEVARD NEAR CHARLOTTE, NC

LOCATION.--Lat 35°14'25", long 80°58'28", Mecklenburg County, Hydrologic Unit 03050101, on left bank on downstream side of culvert at U.S. Highway 74, 0.7 mi downstream of Interstate Highway 85, and 2.5 mi northwest of airport in Charlotte.

DRAINAGE AREA.--10.8 mi².

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 567.97 ft above NAVD 1988, from U.S. Geological Survey benchmark. Prior to October 1, 1999 at same site at datum 567.97 ft. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Sept. 24, 2002.

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	4.4	2.1	4.9	3.5	4.6	17	13	11	12	4.0	5.1	0.96
2	3.9	2.5	3.8	3.4	4.0	10	11	4.1	55	3.3	3.3	0.85
3	20	4.3	3.4	3.4	34	6.3	8.6	3.4	8.5	2.8	2.7	0.81
4	6.4	33	3.2	3.3	11	5.4	7.0	3.1	6.0	2.6	2.5	0.76
5	4.2	7.1	e3.0	3.3	6.6	4.9	6.4	3.1	4.6	3.1	2.3	0.75
6	3.6	4.1	e3.2	3.4	5.6	4.3	6.0	3.8	3.8	2.4	2.2	0.71
7	3.3	3.1	e3.2	3.2	4.9	4.1	6.3	2.7	6.0	10	2.2	0.76
8	3.0	2.7	e3.5	3.1	4.5	47	7.0	2.5	3.6	4.5	74	0.78
9	3.0	2.7	14	3.1	4.2	9.3	5.1	2.3	42	2.5	21	0.76
10	2.8	2.7	99	3.1	4.5	6.7	4.7	6.1	16	2.2	6.0	0.70
11	2.6	2.5	14	3.1	4.1	5.8	4.6	10	6.8	3.4	3.6	0.66
12	2.5	9.5	8.8	2.9	3.9	5.1	37	5.8	4.8	3.8	32	0.67
13	4.8	5.4	6.4	3.0	3.7	4.6	34	5.7	4.6	4.8	10	0.74
14	2.9	3.2	5.3	68	6.6	6.0	64	3.8	3.7	2.3	5.3	0.79
15	2.6	3.0	4.8	9.1	5.0	4.4	13	4.4	3.1	1.9	3.4	0.73
16	2.2	2.7	4.6	6.7	3.8	30	8.6	3.7	2.8	1.7	2.4	3.8
17	2.2	2.7	5.2	5.8	3.7	37	7.1	3.3	2.6	1.6	2.6	2.2
18	2.2	2.6	4.4	5.2	3.5	10	8.6	3.3	2.6	1.6	2.0	0.71
19	2.2	2.6	4.2	4.9	3.4	7.0	8.1	3.1	39	1.4	2.0	0.59
20	2.3	2.5	4.0	4.8	4.1	5.7	6.9	11	7.5	1.4	1.7	0.57
21	2.3	2.6	3.8	4.4	17	5.3	6.4	5.2	3.8	1.3	1.5	0.64
22	2.3	2.6	3.7	4.1	7.4	14	9.0	4.2	2.9	1.3	1.4	0.62
23	2.3	4.7	22	4.0	4.9	62	6.6	4.3	2.6	1.2	2.3	0.61
24	3.3	23	7.2	4.1	24	15	4.0	3.7	2.3	1.1	1.8	0.60
25	2.6	9.8	5.6	3.8	7.8	9.3	3.7	3.5	2.2	1.1	1.3	0.61
26	2.9	4.3	5.0	3.6	5.8	7.7	3.6	3.3	2.9	1.0	1.2	0.70
27	2.4	8.8	4.6	3.3	6.0	9.3	4.1	3.3	31	1.0	1.2	0.78
28	2.3	18	4.4	3.2	94	215	4.0	3.3	73	15	1.2	0.71
29	2.6	5.4	4.4	3.8	---	26	3.7	3.2	9.0	28	1.1	0.76
30	2.4	4.1	3.8	14	---	13	7.1	3.9	5.3	33	1.2	0.55
31	2.2	---	3.7	6.6	---	23	---	3.4	---	8.5	1.5	---
TOTAL	108.7	184.3	271.1	201.2	292.6	630.2	319.2	137.5	370.0	153.8	202.0	25.88
MEAN	3.51	6.14	8.75	6.49	10.4	20.3	10.6	4.44	12.3	4.96	6.52	0.86
MAX	20	33	99	68	94	215	64	11	73	33	74	3.8
MIN	2.2	2.1	3.0	2.9	3.4	4.1	3.6	2.3	2.2	1.0	1.1	0.55
CFSM	0.32	0.57	0.81	0.60	0.97	1.88	0.99	0.41	1.14	0.46	0.60	0.08
IN.	0.37	0.63	0.93	0.69	1.01	2.17	1.10	0.47	1.27	0.53	0.70	0.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

MEAN	7.01	7.65	8.20	12.0	15.7	16.6	14.3	10.3	9.52	8.08	6.64	6.09
MAX	23.0	26.1	23.7	28.9	33.4	39.7	44.9	55.8	29.6	35.2	24.2	18.1
(WY)	(1996)	(1996)	(2003)	(1998)	(1995)	(2003)	(2003)	(2003)	(2003)	(1997)	(2003)	(2004)
MIN	0.73	0.59	2.27	2.79	3.27	4.54	3.29	3.21	1.59	1.35	0.33	0.86
(WY)	(2002)	(2002)	(2002)	(2001)	(2002)	(1999)	(2001)	(2000)	(2001)	(2001)	(2001)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1995 - 2005	
ANNUAL TOTAL	3,179.93		2,896.48		10.1	
ANNUAL MEAN	8.69		7.94		3.93	
HIGHEST ANNUAL MEAN					25.1	2003
LOWEST ANNUAL MEAN					3.93	2001
HIGHEST DAILY MEAN	135	Sep 8	215	Mar 28	835	Jul 23, 1997
LOWEST DAILY MEAN	0.74	Aug 10	0.55	Sep 30	0.06	Oct 30, 2001
ANNUAL SEVEN-DAY MINIMUM	1.0	Aug 5	0.61	Sep 19	0.11	Oct 29, 2001
MAXIMUM PEAK FLOW			855	Mar 28	2,740	Jul 23, 1997
MAXIMUM PEAK STAGE			9.32	Mar 28	10.21	Jun 7, 2003
INSTANTANEOUS LOW FLOW			0.44	Sep 30	0.03*	Sep 12, 2002
ANNUAL RUNOFF (CFSM)	0.804		0.735		0.939	
ANNUAL RUNOFF (INCHES)	10.95		9.98		12.76	
10 PERCENT EXCEEDS	17		14		19	
50 PERCENT EXCEEDS	3.7		3.8		3.5	
90 PERCENT EXCEEDS	2.0		1.2		0.87	

* See REMARKS.
e Estimated.

