

SANTEE RIVER BASIN

0214295600 PAW CREEK AT WILKINSON BOULEVARD NEAR CHARLOTTE, NC

LOCATION.--Lat 35°14'24", long 80°58'29", Mecklenburg County, Hydrologic Unit 03050101, near right 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. Datum of gage is 568.92 ft above sea level (Mecklenburg County benchmark). Prior to October 1, 1999 at same site at datum 570.92 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 Oct. 8, 9, 10, affected by upstream construction. Minimum discharge for current water year also occurred Aug. 9, 10, 11, 12, 13, 14, 15, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.2	1.0	1.7	1.5	1.3	2.5	9.4	1.7	17	.24	.36	.28
2	e1.0	1.1	1.6	e1.6	1.3	2.2	6.3	1.6	3.5	.32	.34	.30
3	e.90	1.1	1.6	e1.6	1.3	4.8	5.2	1.6	1.7	1.1	.31	5.0
4	e.84	.99	1.7	e1.5	1.2	44	4.1	1.5	1.4	6.9	.24	18
5	e.82	1.6	1.7	e1.6	1.3	9.1	3.1	1.5	1.1	8.2	.24	2.6
6	e.80	1.7	1.7	e1.5	1.2	4.8	2.9	1.4	.93	1.0	.56	1.4
7	.77	1.5	2.3	e1.5	1.2	3.5	2.8	1.6	.95	.71	.45	1.2
8	.73	1.5	1.9	e1.6	1.2	2.9	2.7	1.5	1.6	.68	.23	1.1
9	.68	5.8	1.8	e1.7	1.2	2.6	2.6	1.6	1.1	1.1	.19	3.1
10	.72	5.0	1.8	e1.7	1.9	2.4	2.6	1.4	.83	.66	.42	1.7
11	.83	1.5	1.8	e1.7	1.3	2.2	2.6	1.3	.76	.58	.17	.88
12	.81	1.1	1.7	e1.8	1.5	2.8	3.4	1.3	.75	.66	.17	.82
13	.83	1.1	1.7	e1.8	2.1	6.8	13	1.3	.76	1.5	.28	.71
14	1.4	6.3	3.0	1.9	3.8	2.8	2.3	1.2	.67	.58	.22	.61
15	.87	2.5	2.4	2.0	1.6	36	2.0	1.3	.64	.36	.18	.61
16	.88	1.6	4.7	1.8	1.4	11	1.9	1.5	.65	.43	.18	.56
17	.90	4.5	15	1.5	44	6.0	1.9	1.3	.61	.50	.53	.51
18	.80	2.2	3.7	1.6	5.5	4.7	2.0	1.4	.70	.35	.47	.60
19	.90	8.3	2.7	14	4.0	4.1	1.9	1.4	.58	1.9	.76	.63
20	1.0	6.4	e2.6	14	2.9	44	1.9	2.1	.68	1.2	.54	6.8
21	1.0	3.4	e2.2	6.2	2.5	95	1.8	3.5	.65	.38	.30	1.6
22	.88	2.3	e2.0	3.3	13	15	1.8	8.1	1.5	.28	.30	1.1
23	1.0	1.6	1.9	2.3	4.8	7.0	1.8	5.9	2.1	.50	.26	1.0
24	1.1	1.6	1.7	2.1	3.2	5.0	1.8	2.8	.38	4.7	.27	49
25	1.2	16	1.6	2.0	23	4.1	7.8	8.1	.35	2.0	.36	3.7
26	1.2	5.7	1.6	1.9	7.6	3.3	1.9	22	4.0	2.3	.41	1.9
27	1.1	3.5	1.6	1.9	3.9	3.6	1.8	6.1	.91	.76	.40	1.1
28	1.1	2.8	1.6	2.0	3.1	3.2	1.8	11	.35	.58	.36	.91
29	1.0	2.2	1.6	2.0	---	179	1.8	6.7	.33	.49	.31	.85
30	1.1	1.8	1.6	3.1	---	57	1.8	3.3	.28	.54	.28	.80
31	1.0	---	1.5	1.9	---	15	---	2.5	---	.40	.25	---
TOTAL	29.36	97.69	76.0	86.6	142.3	586.4	98.7	109.5	47.76	41.90	10.34	109.37
MEAN	.95	3.26	2.45	2.79	5.08	18.9	3.29	3.53	1.59	1.35	.33	3.65
MAX	1.4	16	15	14	44	179	13	22	17	8.2	.76	49
MIN	.68	.99	1.5	1.5	1.2	2.2	1.8	1.2	.28	.24	.17	.28
CFSM	.09	.30	.23	.26	.47	1.75	.30	.33	.15	.13	.03	.34
IN.	.10	.34	.26	.30	.49	2.02	.34	.38	.16	.14	.04	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

	1995	1996	1998	1999	2000	2001	1995	1996	1997	1998	1999	2000	2001
MEAN	7.65	8.10	6.99	15.2	17.9	15.4	13.2	5.93	6.18	8.02	4.24	5.01	
MAX	23.0	26.1	14.0	28.9	33.4	18.9	22.0	13.2	11.6	35.2	9.92	9.18	
(WY)	1996	1996	1998	1998	1995	2001	1998	1995	1995	1997	1995	2000	
MIN	.95	2.96	2.45	2.79	5.08	4.54	3.29	3.21	1.59	1.35	.33	2.22	
(WY)	2001	1999	2001	2001	2001	1999	2001	2000	2001	2001	2001	1999	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1995 - 2001

ANNUAL TOTAL	2724.99	1435.92	
ANNUAL MEAN	7.45	3.93	9.43
HIGHEST ANNUAL MEAN			13.6
LOWEST ANNUAL MEAN			3.93
HIGHEST DAILY MEAN	151 Mar 20	179 Mar 29	835 Jul 23 1997
LOWEST DAILY MEAN	.31 Aug 30	.17 Aug 11	.12 Oct 7 1999
ANNUAL SEVEN-DAY MINIMUM	.75 Sep 10	.23 Aug 10	.23 Aug 10 2001
MAXIMUM PEAK FLOW		805 Mar 29	2740 Jul 23 1997
MAXIMUM PEAK STAGE		9.21 Mar 29	9.77 Jul 23 1997
INSTANTANEOUS LOW FLOW		.16* Jul 3	.12* Oct 7 1999
ANNUAL RUNOFF (CFSM)	.69	.36	.87
ANNUAL RUNOFF (INCHES)	9.39	4.95	11.86
10 PERCENT EXCEEDS	15	6.3	17
50 PERCENT EXCEEDS	2.5	1.6	3.3
90 PERCENT EXCEEDS	.84	.40	.96

e Estimated.
* See REMARKS.

0214295600 PAW CREEK AT WILKINSON BOULEVARD NEAR CHARLOTTE, NC--Continued

