

SANTEE RIVER BASIN

0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC

LOCATION.--Lat 35°06'18", long 80°57'13", North American Datum of 1983, Mecklenburg County, Hydrologic Unit 03050103, on right bank on upstream side of culvert on Secondary Road 1441 (Carowinds Blvd.), and 4.5 mi west of Pineville.

DRAINAGE AREA.--6.73 mi².

PERIOD OF RECORD.-- May 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 562.23 ft above NGVD of 1929, from levels. Radio telemetry at station.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Aug. 17, 19, 20, 22, 23, 27, 28, 30, 2001. Minimum discharge for current water year also occurred Aug. 7, 8, 9, 10, 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.51	1.6	0.43	0.40	1.6	1.1	14	2.6	0.69	2.3	0.38	4.3
2	0.52	0.95	0.28	0.36	1.3	48	3.9	0.95	0.49	1.00	3.6	1.1
3	0.44	0.99	0.23	1.2	1.3	28	7.0	3.2	0.40	0.38	1.1	0.67
4	0.45	0.76	0.23	1.2	1.3	6.9	4.0	23	0.35	5.6	0.33	0.41
5	0.41	1.0	0.22	0.86	1.3	3.6	2.3	2.6	0.33	1.7	0.21	0.32
6	5.9	1.4	0.21	21	4.9	2.6	1.9	1.3	7.2	0.76	0.18	0.28
7	0.75	1.8	0.24	4.8	26	2.2	1.8	0.95	3.9	0.48	0.19	0.27
8	0.36	1.6	0.25	2.2	13	2.0	1.6	0.73	0.96	0.31	0.17	0.28
9	0.32	1.1	0.24	1.4	4.0	1.8	1.6	0.56	0.50	0.25	0.16	0.29
10	0.32	0.96	e20	1.2	8.0	1.8	2.5	0.49	0.34	2.2	0.16	0.29
11	0.30	0.87	e6.0	1.0	4.0	1.7	2.3	1.4	0.27	0.70	0.17	0.28
12	0.35	0.91	1.4	1.2	2.6	12	2.2	0.66	0.24	0.41	0.17	0.27
13	0.47	0.85	1.1	2.8	2.1	8.0	3.1	29	0.23	14	0.18	0.28
14	2.4	0.86	0.78	2.2	2.0	3.3	1.7	3.6	0.23	61	0.19	22
15	0.75	0.89	1.3	3.1	1.7	2.4	1.5	1.1	0.21	29	0.32	33
16	0.61	0.93	0.61	2.3	1.6	2.1	1.2	0.81	0.31	18	0.93	9.6
17	0.98	0.95	4.8	0.84	1.5	15	1.2	0.73	0.25	1.8	2.2	1.5
18	0.88	0.96	5.3	0.84	1.3	5.0	1.1	5.1	0.19	1.0	0.47	0.98
19	0.88	0.97	1.0	80	1.3	3.0	1.1	1.1	0.24	0.81	0.29	0.61
20	0.77	1.0	0.64	16	1.5	3.5	1.0	0.69	0.18	0.71	0.22	0.47
21	0.77	0.96	0.47	12	1.6	17	1.1	0.63	0.17	0.79	0.22	0.42
22	0.81	0.98	0.40	5.1	1.2	4.4	1.5	0.67	0.18	0.70	0.19	0.40
23	0.87	1.5	0.42	68	1.2	2.9	1.1	0.52	0.21	0.69	0.17	0.42
24	0.84	9.5	0.76	13	1.1	2.4	0.99	0.48	0.20	1.5	0.92	0.39
25	5.9	0.96	0.47	27	1.2	2.4	1.3	0.39	0.19	1.9	3.7	0.40
26	0.64	0.53	0.39	5.2	1.1	3.8	1.1	0.34	1.5	1.1	1.5	13
27	0.75	0.39	0.35	3.2	1.1	2.9	1.1	0.33	0.80	0.65	4.0	4.5
28	0.66	0.35	0.35	2.6	1.1	2.0	1.1	0.32	0.31	0.52	1.9	1.6
29	0.66	0.32	0.39	2.1	---	1.8	1.1	0.29	0.30	0.50	1.4	0.84
30	0.68	0.38	0.38	1.8	---	4.0	0.93	5.5	1.4	0.41	0.74	0.55
31	1.2	---	0.41	1.8	---	28	---	2.2	---	0.39	58	---
TOTAL	32.15	37.22	50.05	286.70	91.9	225.6	68.32	92.24	22.77	151.56	84.36	99.72
MEAN	1.037	1.241	1.615	9.248	3.282	7.277	2.277	2.975	0.759	4.889	2.721	3.324
MAX	5.9	9.5	20	80	26	48	14	29	7.2	61	58	33
MIN	0.30	0.32	0.21	0.36	1.1	1.1	0.93	0.29	0.17	0.25	0.16	0.27
CFSM	0.15	0.18	0.24	1.37	0.49	1.08	0.34	0.44	0.11	0.73	0.40	0.49
IN.	0.18	0.21	0.28	1.58	0.51	1.25	0.38	0.51	0.13	0.84	0.47	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2002, BY WATER YEAR (WY)

	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
MEAN	4.705	1.934	2.484	8.822	6.781	9.819	4.472	2.249	2.447	7.989	2.424	4.709			
MAX	15.4	2.74	4.66	14.2	12.8	20.6	8.33	3.10	4.25	28.6	5.25	6.29			
(WY)	2000	2001	1999	1999	2000	2001	2000	1998	1999	1998	2000	2000			
MIN	0.81	1.24	1.61	2.83	3.28	3.06	2.26	0.93	0.76	1.63	0.28	3.32			
(WY)	2001	2002	2002	2001	2002	1999	2001	2000	2002	1999	2001	2002			

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1998 - 2002

ANNUAL TOTAL	1367.73	1242.59		
ANNUAL MEAN	3.747	3.404		
HIGHEST ANNUAL MEAN			4.448	
LOWEST ANNUAL MEAN			6.24	2000
HIGHEST DAILY MEAN	250	Mar 29	3.40	2002
LOWEST DAILY MEAN	0.05	Aug 20	515	Jul 27 1998
ANNUAL SEVEN-DAY MINIMUM	0.06	Aug 25	0.16	Aug 9
MAXIMUM PEAK FLOW			0.17	Aug 6
MAXIMUM PEAK STAGE			439	Jul 15
INSTANTANEOUS LOW FLOW			5.85	Jul 15
ANNUAL RUNOFF (CFSM)	0.56		0.14*	Jun 20
ANNUAL RUNOFF (INCHES)	7.56		0.04*	Aug 16 2001
10 PERCENT EXCEEDS	5.9		0.51	
50 PERCENT EXCEEDS	0.89		6.87	
90 PERCENT EXCEEDS	0.26		5.9	
			1.0	
			0.27	

e Estimated.

* See REMARKS.

0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC--Continued

