

SANTEE RIVER BASIN

0214678175 STEELE CREEK AT SECONDARY ROAD 1441 NEAR PINEVILLE, NC

LOCATION.--Lat 35°06'17", long 80°57'14", 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 sea level, from levels. Radio telemetry at station.

REMARKS.--Records good, except those for estimated daily discharges and Oct. 6-15, which are poor. Minimum discharge for period of record and current water year also occurred Aug. 17, 19, 20, 22, 23, 27, 28, 30.

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	.68	.62	.75	.77	1.1	1.6	5.6	.83	9.5	.35	.69	.20
2	.61	.59	1.3	.78	1.0	1.5	4.2	.79	2.7	5.9	.45	.25
3	.57	.59	.73	.85	.99	6.4	5.5	.71	1.1	3.1	.39	13
4	.54	.72	.61	.86	.85	45	3.3	.65	.72	24	.33	28
5	.56	1.1	.61	.79	.89	7.2	2.5	.67	.53	6.6	.34	1.4
6	.79	e.80	e.60	.73	.81	3.9	2.3	.70	.39	1.3	.31	.62
7	.89	e.70	e.60	.67	.76	4.1	2.2	.66	.35	.68	.26	.30
8	.97	e.60	.57	7.2	.77	3.8	1.9	.65	.82	.78	2.2	.23
9	1.0	2.8	.53	2.1	.74	3.7	1.8	.69	.60	.57	.45	.37
10	1.2	2.9	.54	1.1	1.8	3.7	1.7	.63	.40	.74	.15	.36
11	1.1	.71	.54	.91	.83	3.3	1.5	.65	.40	.35	.09	.23
12	1.0	.50	.53	11	3.0	5.8	1.4	.59	.31	.41	.08	.26
13	1.0	1.2	.63	4.8	2.0	5.6	1.8	.63	5.5	1.6	1.1	.19
14	1.0	5.0	3.0	2.5	5.5	4.1	1.5	.60	2.1	.49	.27	.18
15	.99	1.0	.99	2.1	1.8	31	1.5	.75	1.5	.31	.10	.19
16	.71	.64	10	1.8	1.3	8.7	1.5	.51	2.0	.28	.06	.24
17	.72	4.1	17	1.1	29	6.1	1.3	.47	.78	.34	.33	.25
18	.66	.87	2.6	1.6	3.7	7.0	1.5	.47	.48	.37	.18	.24
19	.60	11	2.5	14	2.3	7.9	1.4	.41	.27	3.5	.06	.21
20	.62	5.0	1.6	14	1.9	90	1.2	.58	.27	1.4	.05	3.3
21	.70	1.5	1.1	3.7	1.6	76	1.1	3.6	.26	.56	.06	.40
22	.79	.94	1.3	2.1	13	8.8	1.2	12	3.8	.39	.06	.31
23	.77	.68	.88	1.7	3.9	5.2	1.1	2.6	2.1	.45	.06	.80
24	.90	.60	.93	1.4	2.3	3.7	1.1	1.1	.73	17	.29	97
25	.86	27	.87	1.3	6.4	2.8	12	1.9	.80	3.4	.08	2.7
26	.86	5.1	.89	1.1	3.4	2.4	2.0	4.8	.35	2.9	.06	.81
27	1.3	2.1	1.1	1.1	2.2	2.1	1.2	1.0	.29	1.0	.06	.43
28	.87	1.3	1.7	1.0	1.8	1.9	1.0	6.5	6.3	.67	.05	.31
29	e.70	.90	.99	.97	---	250	.84	3.9	1.8	13	.07	.29
30	e.70	.79	.87	2.4	---	27	.81	1.2	.56	3.3	.06	.40
31	e.60	---	.79	1.3	---	8.0	---	.62	---	1.1	.07	---
TOTAL	25.26	82.35	57.65	87.73	95.64	638.3	67.95	51.86	47.71	96.84	8.81	153.47
MEAN	.81	2.74	1.86	2.83	3.42	20.6	2.26	1.67	1.59	3.12	.28	5.12
MAX	1.3	27	17	14	29	250	12	12	9.5	24	2.2	97
MIN	.54	.50	.53	.67	.74	1.5	.81	.41	.26	.28	.05	.18
CFSM	.12	.41	.28	.42	.51	3.06	.34	.25	.24	.46	.04	.76
IN.	.14	.46	.32	.48	.53	3.53	.38	.29	.26	.54	.05	.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	1998	1999	2000	2001
MEAN	5.93	2.17	2.77	8.68
MAX	15.4	2.74	4.66	14.2
(WY)	2000	2001	1999	1999
MIN	.81	1.84	1.81	2.83
(WY)	2001	1999	2000	2001

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1998 - 2001

ANNUAL TOTAL	1858.67	1413.57		
ANNUAL MEAN	5.08	3.87	4.80	
HIGHEST ANNUAL MEAN			6.24	2000
LOWEST ANNUAL MEAN			3.87	2001
HIGHEST DAILY MEAN	142	Feb 14	250	Mar 29
LOWEST DAILY MEAN	.27	Aug 18	.05	Aug 20
ANNUAL SEVEN-DAY MINIMUM	.31	Aug 15	.06	Aug 25
MAXIMUM PEAK FLOW			922	Mar 29
MAXIMUM PEAK STAGE			7.99	Mar 29
INSTANTANEOUS LOW FLOW			.04*	Aug 16
ANNUAL RUNOFF (CFSM)	.75		.58	.71
ANNUAL RUNOFF (INCHES)	10.27		7.81	9.68
10 PERCENT EXCEEDS	10		6.2	8.0
50 PERCENT EXCEEDS	1.2		.97	1.1
90 PERCENT EXCEEDS	.50		.29	.39

e Estimated.
* See REMARKS.

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

