

SANTEE RIVER BASIN

0214253830 NORWOOD CREEK NEAR TROUTMAN, NC

LOCATION.--Lat 35°40'48", long 80°56'44", Iredell County, Hydrologic Unit 03050101, on left upstream wingwall of culvert on Secondary Road 1328, 0.4 mi upstream from Lake Norman, 0.7 mi downstream of Powder Spring Branch, 1.0 mi northeast of East Monbo, and 3.7 mi southwest of Troutman.

DRAINAGE AREA.--7.18 mi².

PERIOD OF RECORD.--December 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 761.09 ft above sea level. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record, from rating curve extended above 400 ft³/s by logarithmic plotting. Minimum discharge for current water year also occurred Aug. 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	1.4	1.6	2.1	e1.9	2.6	4.3	9.1	3.2	2.5	1.8	3.0	1.1
2	1.4	1.5	2.1	e2.0	2.6	4.2	7.5	3.0	2.3	1.9	3.0	1.5
3	1.4	1.5	2.1	e2.0	2.6	4.2	7.1	3.1	2.1	1.9	2.9	3.4
4	1.4	1.6	2.0	e2.0	2.5	6.0	6.6	2.9	2.1	12	2.8	4.6
5	1.4	1.6	2.1	e2.1	2.5	6.1	6.2	2.8	2.1	7.5	2.7	3.0
6	1.3	1.6	2.1	e2.1	2.5	5.3	6.0	2.6	2.3	3.5	2.6	1.5
7	1.3	1.6	2.1	2.1	2.5	5.2	5.7	2.5	2.3	3.0	2.4	1.3
8	1.3	1.6	2.1	2.1	2.4	4.9	5.4	2.5	2.1	3.4	2.2	1.2
9	1.3	2.5	2.1	2.1	2.5	4.6	5.1	2.5	2.4	3.3	2.0	1.3
10	1.4	2.1	2.1	2.3	2.7	4.6	4.9	2.5	2.0	3.4	1.8	1.3
11	1.4	1.8	2.1	2.2	2.6	4.6	4.7	2.3	1.9	2.9	2.1	1.2
12	1.4	1.8	2.1	2.3	2.9	4.7	4.5	2.3	1.9	2.9	1.5	1.1
13	1.4	1.8	2.0	2.3	3.0	5.3	4.6	2.2	1.9	3.5	1.9	1.1
14	1.4	2.0	2.2	2.2	3.1	5.0	4.3	2.1	1.8	3.0	2.5	1.1
15	1.3	1.9	2.2	2.2	3.1	11	4.3	2.1	1.8	2.9	1.9	1.1
16	1.4	1.8	3.3	2.2	3.2	9.3	4.2	2.1	1.7	3.2	1.7	1.0
17	1.4	2.1	4.0	2.1	11	6.4	4.1	2.2	1.7	3.3	1.7	1.0
18	1.4	1.9	2.9	2.4	5.9	7.0	4.5	2.2	1.7	3.4	2.0	.98
19	1.5	2.0	2.8	4.8	4.8	7.4	4.6	2.1	1.7	3.5	1.7	1.1
20	1.6	2.0	2.6	8.0	4.4	10	4.7	2.2	1.6	3.2	1.2	1.3
21	1.6	2.0	2.4	5.0	4.2	25	4.8	2.2	1.6	3.1	1.1	1.2
22	1.5	1.9	2.4	3.9	4.1	12	4.5	2.2	1.6	2.9	1.1	1.1
23	1.6	1.9	e2.4	3.5	4.0	8.5	4.3	2.2	1.8	2.8	1.0	1.4
24	1.6	1.9	e2.3	3.2	4.0	7.4	4.3	2.1	1.7	3.5	1.5	2.7
25	1.7	2.3	e2.3	3.0	5.6	6.7	4.4	2.9	2.0	3.1	1.1	2.2
26	1.6	2.4	e2.2	2.9	5.3	6.7	3.8	2.5	3.6	4.0	1.0	1.4
27	1.7	2.2	2.2	2.9	4.7	7.0	3.5	2.1	1.9	3.6	.99	1.2
28	1.6	2.1	2.0	2.7	4.5	7.5	3.4	2.2	1.8	3.6	.95	1.2
29	1.8	2.1	e2.0	2.7	---	60	3.3	2.2	1.7	3.6	.92	1.2
30	1.6	2.1	e2.0	3.0	---	30	3.2	2.0	1.9	3.6	.91	1.2
31	1.7	---	e1.9	2.8	---	11	---	2.0	---	3.3	.99	---
TOTAL	45.8	57.2	71.2	87.0	105.8	301.9	147.6	74.0	59.5	110.6	55.16	45.98
MEAN	1.48	1.91	2.30	2.81	3.78	9.74	4.92	2.39	1.98	3.57	1.78	1.53
MAX	1.8	2.5	4.0	8.0	11	60	9.1	3.2	3.6	12	3.0	4.6
MIN	1.3	1.5	1.9	1.9	2.4	4.2	3.2	2.0	1.6	1.8	.91	.98
CFSM	.21	.27	.32	.39	.53	1.36	.69	.33	.28	.50	.25	.21
IN.	.24	.30	.37	.45	.55	1.56	.76	.38	.31	.57	.29	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	8.63	7.28	8.10	10.6	12.8	13.5	11.0	7.16	6.20	5.38	5.11	4.32						
MAX	36.1	16.9	15.8	21.0	25.1	35.2	24.2	15.2	24.4	22.1	13.0	10.5						
(WY)	1991	1993	1984	1993	1990	1993	1997	1990	1992	1989	1994	1989						
MIN	1.48	1.91	2.30	2.81	3.78	4.49	3.60	2.39	1.61	1.41	.85	1.53						
(WY)	2001	2001	2001	2001	2001	1999	1986	2001	1986	2000	2000	2001						

SUMMARY STATISTICS

FOR 2001 WATER YEAR

WATER YEARS 1984 - 2001

ANNUAL TOTAL	1161.74		
ANNUAL MEAN	3.18	8.12	
HIGHEST ANNUAL MEAN		13.1	1991
LOWEST ANNUAL MEAN		3.18	2001
HIGHEST DAILY MEAN	60	Mar 29	387
LOWEST DAILY MEAN	.91	Aug 30	.69
ANNUAL SEVEN-DAY MINIMUM	.98	Aug 25	.72
MAXIMUM PEAK FLOW	314	Mar 29	1480*
MAXIMUM PEAK STAGE	6.31	Mar 29	9.20
INSTANTANEOUS LOW FLOW	.87*	Aug 29	.67
ANNUAL RUNOFF (CFSM)	.44		1.13
ANNUAL RUNOFF (INCHES)	6.02		15.36
10 PERCENT EXCEEDS	5.2		12
50 PERCENT EXCEEDS	2.2		5.3
90 PERCENT EXCEEDS	1.3		2.6

e Estimated.

* See REMARKS.

0214253830 NORWOOD CREEK NEAR TROUTMAN, NC--Continued

