

SANTEE RIVER BASIN

0214253830 NORWOOD CREEK NEAR TROUTMAN, NC

LOCATION.--Lat 35°40'50", long 80°56'43", North American Datum of 1983, 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 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Datum of gage is 761.09 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records poor. Maximum discharge for period of record, from rating curve extended above 400 ft<sup>3</sup>/s by logarithmic plotting.

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	1.2	1.1	2.7	1.5	3.1	3.2	5.0	6.7	2.3	2.0	1.2	0.87
2	1.1	1.2	2.6	1.5	3.0	3.6	4.9	6.4	2.1	1.9	1.2	0.74
3	1.1	1.2	2.7	1.5	3.6	3.8	4.8	6.2	2.1	2.0	1.1	0.65
4	1.0	1.2	2.4	1.5	3.6	3.6	4.8	6.3	2.0	1.9	0.98	0.72
5	1.1	1.2	2.0	1.5	3.6	4.1	4.7	5.8	2.1	1.9	0.84	0.95
6	1.1	1.3	1.7	1.7	3.6	4.1	4.6	5.2	2.1	1.7	0.80	0.76
7	1.00	1.3	1.6	1.7	4.2	4.1	4.6	5.1	2.4	1.5	0.67	0.67
8	0.83	1.2	1.5	1.7	4.3	4.0	4.6	5.6	2.1	1.5	0.53	0.57
9	1.1	1.1	1.7	1.7	4.2	4.1	4.8	4.0	2.0	1.7	0.52	0.59
10	0.95	1.1	2.0	e1.6	4.2	4.1	4.8	3.8	1.9	1.8	0.48	e0.58
11	0.81	1.1	1.5	e1.6	4.1	4.5	4.8	3.9	1.8	1.9	0.56	e0.56
12	0.64	1.1	1.7	e1.5	3.9	4.7	4.9	4.0	1.7	1.8	0.68	e0.54
13	0.66	1.1	1.8	e1.5	3.8	5.3	4.8	4.4	1.7	1.7	0.81	e0.52
14	0.76	1.1	1.8	e1.4	3.6	5.2	4.7	4.5	2.2	2.4	0.85	1.5
15	1.1	1.0	1.8	e1.4	3.4	5.0	4.6	4.0	1.9	1.9	1.2	2.4
16	0.84	1.1	1.9	e1.3	3.4	4.9	4.5	3.6	1.8	1.9	4.1	3.3
17	1.1	e1.0	2.0	e1.2	3.2	5.4	4.3	3.8	1.9	1.8	5.9	6.2
18	1.0	e1.0	2.1	e1.2	3.2	5.6	4.3	3.9	1.8	1.8	2.9	5.9
19	0.90	e0.98	1.8	6.1	3.2	5.3	4.4	3.4	1.8	1.8	0.98	6.2
20	0.91	e0.98	1.7	e4.0	3.3	4.4	4.5	3.3	1.8	1.5	0.48	5.3
21	0.97	e0.96	1.7	e3.0	3.2	4.9	4.6	3.1	1.8	1.4	0.55	4.8
22	1.0	e0.96	1.7	e2.5	3.5	5.1	4.7	3.0	1.8	1.4	0.69	4.6
23	1.0	e1.0	1.7	56	3.6	5.3	4.9	3.0	1.7	1.2	0.83	4.1
24	0.86	e3.0	1.7	4.8	3.4	5.3	4.9	2.8	1.8	1.3	1.1	3.6
25	1.1	1.3	1.7	4.2	3.4	5.3	5.1	2.8	1.8	1.7	1.2	3.1
26	1.4	1.6	1.6	2.9	3.2	5.4	5.5	2.7	2.3	3.1	0.85	e5.0
27	1.2	2.0	1.5	2.3	3.1	5.4	5.5	2.5	2.4	1.5	0.96	e12
28	1.2	2.5	1.4	2.0	3.2	5.2	5.7	2.5	2.4	1.4	1.1	e6.0
29	1.2	2.9	1.8	2.7	---	5.0	6.0	2.3	2.3	1.4	1.1	e4.0
30	1.2	2.9	2.9	2.9	---	5.0	6.1	2.4	2.1	1.3	0.96	3.2
31	1.1	---	4.3	3.1	---	5.0	---	2.6	---	1.3	0.94	---
TOTAL	31.43	41.48	61.0	123.5	99.1	145.9	146.4	123.6	59.9	53.4	37.06	89.92
MEAN	1.014	1.383	1.968	3.984	3.539	4.706	4.880	3.987	1.997	1.723	1.195	2.997
MAX	1.4	3.0	4.3	56	4.3	5.6	6.1	6.7	2.4	3.1	5.9	12
MIN	0.64	0.96	1.4	1.2	3.0	3.2	4.3	2.3	1.7	1.2	0.48	0.52
CFSM	0.14	0.19	0.27	0.55	0.49	0.66	0.68	0.56	0.28	0.24	0.17	0.42
IN.	0.16	0.21	0.32	0.64	0.51	0.76	0.76	0.64	0.31	0.28	0.19	0.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2002, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
MEAN	8.206	6.950	7.779	10.21	12.28	13.05	10.67	6.993	5.979	5.191	4.902	4.246								
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	1.01	1.38	1.97	2.81	3.54	4.49	3.60	2.39	1.61	1.41	0.85	1.53								
(WY)	2002	2002	2002	2001	2002	1999	1986	2001	1986	2000	2000	2001								

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 1984 - 2002

ANNUAL TOTAL	1012.69		
ANNUAL MEAN	2.774	7.819	
HIGHEST ANNUAL MEAN		13.1	1991
LOWEST ANNUAL MEAN		2.77	2002
HIGHEST DAILY MEAN	56	Jan 23	387
LOWEST DAILY MEAN	0.48	Aug 10	0.48
ANNUAL SEVEN-DAY MINIMUM	0.58	Sep 7	0.58
MAXIMUM PEAK FLOW	272	Jan 23	1480*
MAXIMUM PEAK STAGE	6.10	Jan 23	9.20
INSTANTANEOUS LOW FLOW	0.40	Aug 21	0.40
ANNUAL RUNOFF (CFSM)	0.39		1.09
ANNUAL RUNOFF (INCHES)	5.25		14.80
10 PERCENT EXCEEDS	5.0		11
50 PERCENT EXCEEDS	2.0		5.0
90 PERCENT EXCEEDS	0.93		2.2

e Estimated.  
\* See REMARKS.

0214253830 NORWOOD CREEK NEAR TROUTMAN, NC--Continued

