

SANTEE RIVER BASIN

0214399575 LONG CREEK TRIBUTARY AT HEADWATERS NEAR BESSEMER CITY, NC

LOCATION.--Lat 35°18'12", long 81°16'42", Gaston County, Hydrologic Unit 03050102, on left bank at headwaters, 1.4 mi north of Bessemer City, NC.

DRAINAGE AREA.--0.16 mi².

PERIOD OF RECORD.--October 1993 to September 2001 (discontinued).

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Elevation of gage is 830 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Maximum gage height for period of record from floodmark inside of stilling well. No flow also occurred Aug. 14-19, 21, 22, 1999, Aug. 15-18, 20, 23, 24, 2000, Aug. 9-31, Sept. 1, 2, 15-19, 24, 30, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 19, 1993 reached a stage of 3.11 ft, from floodmark; discharge, 120 ft³/s.

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	.02	.01	.03	.05	.04	.05	.11	.04	.24	.01	.02	.00
2	.02	.01	.03	.04	.04	.04	.10	.04	.05	.01	.02	.02
3	.02	.01	.03	.04	.04	.06	.10	.04	.04	.01	.01	.18
4	.02	.02	.03	.03	.04	.26	.06	.03	.04	.41	.01	.51
5	.02	.03	.03	.03	.04	.08	.06	.03	.04	.04	.02	.03
6	.02	.02	.03	.03	.03	.06	.06	.03	.02	.02	.01	.03
7	.02	.02	.03	.03	.03	.06	.06	.03	.02	.02	.01	.02
8	.02	.02	.03	.05	.03	.06	.06	.03	.03	.03	.01	.02
9	.02	.14	.03	.03	.03	.06	.06	.03	.02	.03	.00	.02
10	.02	.04	.03	.03	.04	.05	.06	.03	.02	.02	.00	.02
11	.02	.02	.03	.03	.03	.05	.05	.03	.02	.02	.00	.02
12	.02	.02	.03	.07	.06	.09	.05	.03	.02	.02	.00	.02
13	.01	.02	.03	.04	.07	.06	.06	.02	.01	.17	.00	.01
14	.02	.08	.03	.04	.04	.05	.05	.02	.01	.03	.00	.01
15	.02	.05	.03	.04	.04	.67	.05	.02	.01	.02	.00	.01
16	.01	.03	.25	.03	.08	.11	.05	.02	.01	.02	.00	.00
17	.01	.07	.49	.04	.58	.08	.05	.02	.01	.02	.00	.00
18	.02	.03	.13	.07	.09	.08	.05	.02	.01	.02	.00	.00
19	.02	.08	.10	.67	.07	.07	.05	.02	.01	.02	.00	.01
20	.02	.05	.06	.60	.06	1.9	.06	.03	.01	.02	.00	.02
21	.02	.02	.04	.36	.06	2.9	.05	.05	.01	.02	.00	.02
22	.02	.02	.04	.25	.14	.39	.06	.06	.01	.02	.00	.01
23	.01	.02	.03	.13	.03	.08	.05	.03	.01	.02	.00	.01
24	.01	.02	.03	.10	.03	.08	.05	.03	.01	.03	.00	.04
25	.02	.24	.03	.09	.47	.07	.08	.05	.04	.04	.00	.02
26	.01	.04	.03	.08	.08	.06	.05	.03	.10	.03	.00	.02
27	.02	.03	.04	.07	.05	.06	.05	.03	.02	.03	.00	.02
28	.03	.03	.05	.07	.05	.06	.05	.04	.02	.03	.00	.02
29	.03	.03	.04	.07	---	3.4	.05	.03	.01	.02	.00	.01
30	.02	.03	.05	.07	---	.25	.04	.03	.01	.02	.00	.01
31	.02	---	.05	.05	---	.13	---	.02	---	.02	.00	---
TOTAL	0.58	1.25	1.91	3.33	2.39	11.42	1.78	0.96	0.88	1.24	0.11	1.13
MEAN	.019	.042	.062	.11	.085	.37	.059	.031	.029	.040	.004	.038
MAX	.03	.24	.49	.67	.58	3.4	.11	.06	.24	.41	.02	.51
MIN	.01	.01	.03	.03	.03	.04	.04	.02	.01	.01	.00	.00
CFSM	.12	.26	.39	.67	.53	2.30	.37	.19	.18	.25	.02	.24
IN.	.13	.29	.44	.77	.56	2.66	.41	.22	.20	.29	.03	.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	.11	.10	.11	.29	.26	.23	.12	.077
MAX	.38	.42	.24	.64	.43	.38	.20	.12
(WY)	1996	1996	1998	1998	1997	2000	2000	1995
MIN	.019	.036	.062	.11	.085	.10	.052	.031
(WY)	2001	1999	2001	2001	2001	1999	1995	2001

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1994 - 2001

	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1994 - 2001
ANNUAL TOTAL	39.64	26.98	
ANNUAL MEAN	.11	.074	.14
HIGHEST ANNUAL MEAN			.21
LOWEST ANNUAL MEAN			.074
HIGHEST DAILY MEAN	6.7 Mar 20	3.4 Mar 29	9.0 Aug 27 1995
LOWEST DAILY MEAN	.00 Aug 15	.00 Aug 9	.00 Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	.00 Aug 14	.00 Aug 9	.00 Aug 13 1999
MAXIMUM PEAK FLOW		26 Mar 29	119 Apr 28 1997
MAXIMUM PEAK STAGE		2.28 Mar 29	3.10* Apr 28 1997
INSTANTANEOUS LOW FLOW		.00* Aug 9	.00* Aug 13 1999
ANNUAL RUNOFF (CFSM)	.68	.46	.87
ANNUAL RUNOFF (INCHES)	9.22	6.27	11.84
10 PERCENT EXCEEDS	.13	.08	.18
50 PERCENT EXCEEDS	.05	.03	.05
90 PERCENT EXCEEDS	.01	.01	.02

* See REMARKS.

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