

SANTEE RIVER BASIN

0214399580 LONG CREEK TRIBUTARY BELOW HEADWATERS NEAR BESSEMER CITY, NC

LOCATION.--Lat 35°18'20", long 81°16'32", Gaston County, Hydrologic Unit 03050102, on left bank downstream end of culvert, 0.3 mi below headwaters and 1.6 mi north of Bessemer City, NC.

DRAINAGE AREA.--0.22 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 805 ft above sea level, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Maximum gage height for period of record from high-water mark in gage well. Maximum discharge for period of record from rating curve extended above 549 ft³/s. No flow also occurred Aug. 17-22, 1999, Aug. 7-31, Sept. 1, 2, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 19, 1993 reached a stage of 5.29 ft, from floodmark; discharge, 549 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	.03	e.03	e.18	.18	.20	.24	.15	.08	1.1	.07	e.03	.00
2	.03	e.03	e.18	.18	.18	.24	.14	.07	.08	.06	e.02	.00
3	.03	e.04	e.18	.17	.18	.30	.14	.07	.07	.05	.02	.57
4	.03	e.05	e.18	.17	.18	1.0	.13	.07	.07	1.0	.02	2.4
5	.03	e.07	e.18	.18	.14	.35	.10	.07	.07	.11	.02	.09
6	.03	e.05	e.18	.18	.14	.24	.10	.08	.07	.09	.02	.09
7	.03	e.04	e.18	.18	.14	.24	.10	.08	.06	.09	.01	.09
8	.03	e.03	.18	.26	.14	.24	.11	.08	.07	.09	.01	.09
9	.03	e.60	.18	.18	.14	.24	.14	.08	.07	.09	.01	.09
10	.03	e.30	.18	.18	.23	.24	.14	.08	.06	.08	.01	.09
11	.03	e.10	.17	.18	.24	.24	.14	.08	.06	.07	.01	.09
12	.03	e.07	.18	.31	.27	.35	.14	.08	.06	.07	.00	.09
13	.03	e.05	.18	.18	.34	.26	.14	.08	.06	.66	.01	.09
14	.03	e.20	.20	.18	.33	.24	.11	.08	.06	.10	.01	.09
15	.03	e.10	.18	.18	.26	2.7	.13	.08	.06	.09	.01	.09
16	.03	e.08	1.2	.18	.40	.36	.10	.08	.06	.09	.01	.09
17	e.02	e.10	1.6	.18	2.7	.29	.10	.08	.06	.09	.00	.09
18	e.03	.24	.20	.32	.24	.24	.10	.08	.05	.08	.01	.08
19	e.03	.56	.22	3.0	.19	.25	.10	.08	.05	.09	.01	.09
20	e.03	.43	.18	1.3	.18	6.2	.10	.08	.04	.09	.00	.09
21	e.03	.29	.18	.34	.18	2.2	.10	.12	.04	.08	.00	.09
22	e.03	.24	.18	.31	.54	.28	.09	.13	.03	.08	.00	.09
23	e.02	.24	.18	.25	.20	.20	.08	.07	.03	.08	.00	.09
24	e.02	.24	.18	.24	.18	.18	.09	.07	.05	.09	.00	.18
25	e.03	1.8	.18	.24	2.0	.18	.13	.09	.10	.12	.00	.08
26	e.02	.34	.18	.24	.30	.18	.08	.07	.27	.09	.00	.08
27	e.03	e.20	.18	.24	.24	.18	.08	.06	.08	e.08	.00	.08
28	e.04	e.19	.18	.24	.24	.18	.08	.07	.07	e.06	.00	.08
29	e.04	e.19	.18	.24	---	7.3	.08	.07	.07	e.05	.00	.08
30	e.03	e.19	.18	.29	---	.40	.08	.06	.07	e.04	.00	.08
31	e.03	---	.18	.24	---	.21	---	.06	---	e.03	.00	---
TOTAL	0.91	7.09	8.09	10.74	10.70	25.95	3.30	2.43	3.09	3.96	0.24	5.33
MEAN	.029	.24	.26	.35	.38	.84	.11	.078	.10	.13	.008	.18
MAX	.04	1.8	1.6	3.0	2.7	7.3	.15	.13	1.1	1.0	.03	2.4
MIN	.02	.03	.17	.17	.14	.18	.08	.06	.03	.03	.00	.00
CFSM	.13	1.07	1.19	1.57	1.74	3.80	.50	.36	.47	.58	.04	.81
IN.	.15	1.20	1.37	1.82	1.81	4.39	.56	.41	.52	.67	.04	.90

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

	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	.19	.22	.19	.45	.43	.39	.27	.12
MAX	.80	.91	.38	.77	.74	.84	.80	.29
(WY)	1996	1996	1998	1995	1997	2001	1997	1995
MIN	.029	.037	.092	.22	.20	.15	.070	.075
(WY)	2001	1999	2000	2000	1999	1999	1995	1996

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

ANNUAL TOTAL	69.38	81.83	
ANNUAL MEAN	.19	.22	.25
HIGHEST ANNUAL MEAN			.35
LOWEST ANNUAL MEAN			.12
HIGHEST DAILY MEAN	7.2	Mar 20	19
LOWEST DAILY MEAN	.01	Aug 15	.00
ANNUAL SEVEN-DAY MINIMUM	.01	Aug 12	.00
MAXIMUM PEAK FLOW		31	Mar 29
MAXIMUM PEAK STAGE		1.77	Mar 29
INSTANTANEOUS LOW FLOW		.00*	Aug 7
ANNUAL RUNOFF (CFSM)	.86	1.02	1.12
ANNUAL RUNOFF (INCHES)	11.73	13.84	15.19
10 PERCENT EXCEEDS	.24	.29	.31
50 PERCENT EXCEEDS	.09	.09	.08
90 PERCENT EXCEEDS	.03	.03	.03

e Estimated.
* See REMARKS.

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