

SANTEE RIVER BASIN

02151500 BROAD RIVER NEAR BOILING SPRINGS, NC

LOCATION.--Lat 35°12'39", long 81°41'52", Cleveland County, Hydrologic Unit 03050105, on right bank 0.5 mi upstream from Sandy Run Creek, 3 mi downstream of Second Broad River, and 3.5 mi southwest of Boiling Springs.

DRAINAGE AREA.--875 mi².

PERIOD OF RECORD.--June 1925 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area. WDR NC-88: 1986(m).

GAGE.--Water-stage recorder. Datum of gage is 639.92 ft above sea level (Duke Power Company bench mark). Prior to July 20, 1934, at site 500 ft upstream at 640.92 ft. Satellite and telephone telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Considerable diurnal fluctuation and some regulation caused by power plants upstream from station. Maximum discharge and gage height for period of record from former site, present datum.

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	328	348	560	347	579	888	1560	427	536	425	643	347
2	299	509	698	354	749	900	1620	480	910	403	787	284
3	293	523	381	332	660	1040	1320	657	605	1250	657	655
4	297	859	343	351	414	581	1440	641	430	873	664	1610
5	281	352	629	581	395	592	1180	517	480	1420	570	753
6	264	308	525	672	403	799	1140	433	520	1010	454	438
7	315	440	496	389	405	522	1120	405	426	714	452	354
8	304	456	361	365	408	678	781	444	471	559	515	416
9	269	514	458	401	646	727	644	462	487	540	489	333
10	269	1210	358	482	779	645	886	487	430	485	433	304
11	286	1180	341	499	427	454	919	480	396	442	450	331
12	294	432	577	529	387	447	906	457	390	398	391	325
13	292	357	809	586	463	524	1120	439	374	771	387	300
14	317	395	966	487	469	755	837	384	404	544	410	376
15	308	543	781	378	618	895	543	436	457	446	471	327
16	284	489	779	363	650	1330	533	403	417	397	488	302
17	280	714	1720	396	961	1200	821	433	445	349	333	267
18	276	807	1540	491	707	693	898	391	357	375	393	373
19	274	389	1220	608	505	596	735	412	378	404	430	480
20	274	387	973	1760	478	888	511	405	320	425	335	694
21	400	372	999	1040	639	3270	817	532	332	1220	263	685
22	312	294	1040	735	762	2460	495	1080	366	642	313	476
23	284	376	1000	576	907	1950	436	652	378	521	321	334
24	348	345	604	737	751	1690	457	552	313	407	316	570
25	399	676	436	529	575	1140	816	531	374	835	369	1970
26	352	886	408	595	920	930	624	670	651	1340	307	1080
27	350	929	396	613	1270	1370	838	507	1070	1180	284	656
28	424	786	398	436	1030	1070	781	441	627	964	313	619
29	328	651	483	425	---	1620	444	495	470	770	360	565
30	295	642	719	535	---	5240	405	560	461	637	361	372
31	294	---	399	560	---	2700	---	447	---	647	334	---
TOTAL	9590	17169	21397	17152	17957	38594	25627	15660	14275	21393	13293	16596
MEAN	309	572	690	553	641	1245	854	505	476	690	429	553
MAX	424	1210	1720	1760	1270	5240	1620	1080	1070	1420	787	1970
MIN	264	294	341	332	387	447	405	384	313	349	263	267
CFSM	.35	.65	.79	.63	.73	1.42	.98	.58	.54	.79	.49	.63
IN.	.41	.73	.91	.73	.76	1.64	1.09	.67	.61	.91	.57	.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2001, BY WATER YEAR (WY)

	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	
MEAN	1265	1222	1439	1757	1905	2097	1922	1535	1301	1094	1212	1055																				
MAX	5499	3275	2875	4750	4304	4868	4525	3441	2812	2505	6893	3100																				
(WY)	1965	1993	1984	1937	1960	1975	1936	1973	1973	1949	1928	1945																				
MIN	237	407	449	422	641	783	821	505	420	351	295	288																				
(WY)	1955	1955	1956	1956	2001	1988	1986	2001	1988	1986	1956	1954																				

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1925 - 2001
ANNUAL TOTAL	272634	228703	
ANNUAL MEAN	745	627	1484
HIGHEST ANNUAL MEAN			2328
LOWEST ANNUAL MEAN			627
HIGHEST DAILY MEAN	7160	Mar 21	63900
LOWEST DAILY MEAN	264	Oct 6	105
ANNUAL SEVEN-DAY MINIMUM	284	Oct 5	185
MAXIMUM PEAK FLOW		6160	73300*
MAXIMUM PEAK STAGE		5.67	24.30*
INSTANTANEOUS LOW FLOW		190	40
ANNUAL RUNOFF (CFSM)	.85	.72	1.70
ANNUAL RUNOFF (INCHES)	11.59	9.72	23.04
10 PERCENT EXCEEDS	1370	1070	2490
50 PERCENT EXCEEDS	573	487	1160
90 PERCENT EXCEEDS	312	317	557

* See REMARKS.

02151500 BROAD RIVER NEAR BOILING SPRINGS, NC--Continued

