

## SANTEE RIVER BASIN

021556525 PACOLET RIVER BELOW LAKE BLALOCK NEAR COWPENS, SC

LOCATION.--Lat 35°02'51'', long 81°51'21'', Spartanburg County, Hydrologic Unit 03050105, on right bank, 0.75 mi downstream of Lake Blalock Dam, and 3.5 mi northwest of Cowpens, S.C.

DRAINAGE AREA.--273 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1993 to current year.

GAGE.--Data collection platform. Elevation of gage is 600 ft above NGVD of 1929 (from topographic map). Prior to November 4, 1998, at site 0.6 mi upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Lake Blalock (see sta 021556524). Water diverted by City of Spartanburg above station at Lake Blalock for municipal supply.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	959	246	393	402	420	826	868	418	318	964	403	268
2	928	225	371	389	407	673	697	412	672	605	389	229
3	890	347	366	423	424	520	670	376	845	496	358	207
4	862	626	365	417	453	436	480	356	640	1010	315	193
5	823	742	363	406	417	388	451	349	521	921	286	185
6	661	784	428	387	394	361	446	348	425	901	274	178
7	352	729	417	373	378	349	460	342	495	5430	290	175
8	386	656	443	369	346	373	502	342	482	10500	e396	174
9	371	512	579	371	323	367	754	331	531	2670	e689	172
10	368	271	1050	371	338	359	670	324	490	1160	1380	169
11	374	116	1830	361	344	356	589	341	463	781	782	167
12	359	563	1190	300	320	325	562	342	438	618	527	164
13	348	e765	1060	340	305	316	991	333	459	546	429	163
14	335	e515	1020	691	313	307	1420	336	508	563	359	161
15	293	e440	998	720	318	306	1130	358	433	708	324	158
16	230	e408	826	567	311	327	768	413	374	736	304	158
17	168	347	462	449	303	382	637	391	331	518	291	165
18	163	320	e111	402	302	390	586	352	314	443	296	168
19	387	323	e123	379	294	372	556	325	324	405	307	160
20	276	364	843	356	301	356	532	373	325	360	301	156
21	320	364	1160	347	341	339	497	462	318	337	309	154
22	316	323	794	341	436	327	462	444	308	325	301	153
23	300	322	706	337	404	425	426	414	300	325	287	152
24	275	e326	1260	335	373	508	440	390	287	320	282	151
25	243	e450	1010	333	411	493	436	362	277	323	277	147
26	239	e440	696	335	284	466	433	326	275	302	268	147
27	264	e390	551	325	256	437	443	306	345	281	298	154
28	281	e370	487	304	469	3460	414	294	702	270	320	155
29	295	e357	463	296	---	3010	371	283	2030	302	323	156
30	293	413	441	344	---	1310	375	284	1590	418	308	154
31	290	---	415	413	---	919	---	288	---	404	293	---
TOTAL	12649	13054	21221	12183	9985	19783	18066	11015	15820	33942	11966	5093
MEAN	408	435	685	393	357	638	602	355	527	1095	386	170
MAX	959	784	1830	720	469	3460	1420	462	2030	10500	1380	268
MIN	163	116	111	296	256	306	371	283	275	270	268	147
CFSM	1.49	1.59	2.51	1.44	1.31	2.34	2.21	1.30	1.93	4.01	1.41	0.62
IN.	1.72	1.78	2.89	1.66	1.36	2.70	2.46	1.50	2.16	4.63	1.63	0.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	264	267	379	431	476	520	420	386	286	310	338	286
MAX	652	617	685	982	975	1096	915	1790	689	1095	991	1306
(WY)	1996	1996	2005	1995	1998	2003	2003	2003	2003	2005	1995	2004
MIN	69.2	87.1	124	134	173	228	178	122	83.0	69.1	65.0	66.6
(WY)	2001	2001	2001	2001	2001	1999	2002	2001	2002	2002	2002	2002

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1994 - 2005	
ANNUAL TOTAL	158278		184777			
ANNUAL MEAN	432		506		363	
HIGHEST ANNUAL MEAN					682	2003
LOWEST ANNUAL MEAN					143	2002
HIGHEST DAILY MEAN	10800	Sep 8	10500	Jul 8	e 11800	May 23 2003
LOWEST DAILY MEAN	55	Aug 8	e 111	Dec 18	44	Sep 11 2002
ANNUAL SEVEN-DAY MINIMUM	69	Aug 23	151	Sep 21	51	Sep 7 2002
MAXIMUM PEAK FLOW			14300	Jul 8	14300	Sep 8 2004
MAXIMUM PEAK STAGE			13.53	Jul 8	a 17.10	Aug 28 1995
ANNUAL RUNOFF (CFSM)	1.58		1.85		1.33	
ANNUAL RUNOFF (INCHES)	21.57		25.18		18.09	
10 PERCENT EXCEEDS	864		824		620	
50 PERCENT EXCEEDS	306		371		262	
90 PERCENT EXCEEDS	135		235		88	

a At site and datum then in use, also occurred May 23, 2003 at present site and datum.

e Estimated

