

## 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 good 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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	176	180	468	330	483	490	483	544	472	e1400	401
2	83	169	161	449	295	453	474	600	497	e1600	e758	407
3	83	164	140	425	210	343	441	571	608	e3200	731	358
4	84	150	172	393	224	381	420	794	852	1230	753	335
5	85	167	920	340	275	387	439	683	816	738	1910	334
6	84	415	1330	280	279	831	490	e2880	738	e638	920	324
7	77	353	697	349	329	840	e2100	e7460	1530	e601	745	337
8	69	213	418	318	349	535	1740	e3350	e3130	e614	674	330
9	e69	161	342	310	370	449	1080	1180	e1810	e618	665	306
10	e69	169	276	307	338	477	e1860	803	907	615	599	e306
11	e69	294	639	292	280	353	e3450	751	619	558	665	e298
12	69	543	772	265	262	332	1490	655	611	797	989	e288
13	72	598	848	221	227	330	767	594	551	875	1420	e287
14	71	394	1200	326	227	351	755	508	533	783	752	e273
15	130	333	929	294	253	357	668	e527	506	784	643	276
16	1280	425	665	204	336	802	648	542	463	981	568	e276
17	721	699	446	218	350	755	526	556	478	702	701	e266
18	465	608	283	287	383	1060	e1390	630	508	481	744	e238
19	318	411	274	203	371	1060	e1340	615	568	516	518	e273
20	247	283	870	254	358	e10000	855	573	551	511	416	e233
21	162	275	1010	311	343	e6000	776	597	491	503	477	e232
22	139	266	653	304	918	1740	670	e5000	411	505	503	252
23	172	236	492	231	2180	982	619	e11800	338	493	583	e604
24	214	217	1090	216	1050	739	611	e7000	343	468	553	e397
25	148	201	2260	251	624	667	597	e2000	414	390	465	e328
26	144	193	1130	234	456	561	630	996	329	454	402	e297
27	174	186	670	224	515	540	585	774	339	458	380	e270
28	175	177	503	220	503	465	541	727	427	383	365	e319
29	202	190	455	252	---	479	544	646	361	425	390	e287
30	249	191	410	370	---	e620	461	604	384	468	382	e272
31	236	---	339	360	---	605	---	582	---	1300	332	---
TOTAL	6243	8857	20574	9176	12635	33977	27457	55481	20657	23161	21403	9358
MEAN	201	295	664	296	451	1096	915	1790	689	747	690	312
MAX	1280	699	2260	468	2180	10000	3450	11800	3130	3200	1910	604
MIN	69	150	140	203	210	330	420	483	329	383	332	227
CFSM	0.74	1.08	2.43	1.08	1.65	4.01	3.35	6.56	2.52	2.74	2.53	1.14
IN.	0.85	1.21	2.80	1.25	1.72	4.63	3.74	7.56	2.81	3.16	2.92	1.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003		
MEAN	249	241	342	447	477	533	415	408	255	239	349	195
MAX	652	617	664	982	975	1096	915	1790	689	747	991	393
(WY)	1996	1996	2003	1995	1998	2003	2003	2003	2003	2003	1995	1995
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

021556525 PACOLET RIVER BELOW LAKE BLALOCK NEAR COWPENS, SC--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	76837		248979			
ANNUAL MEAN	211		682		344	
HIGHEST ANNUAL MEAN					682 2003	
LOWEST ANNUAL MEAN					143 2002	
HIGHEST DAILY MEAN	2260	Dec 25	e 11800	May 23	e 11800	May 23 2003
LOWEST DAILY MEAN	44	Sep 11	69	a Oct 8	44	Sep 11 2002
ANNUAL SEVEN-DAY MINIMUM	51	Sep 7	70	Oct 8	51	Sep 7 2002
MAXIMUM PEAK FLOW			Unknown	May 23	c 12000	Aug 28 1995
MAXIMUM PEAK STAGE			b 17.10	May 23	17.10	d Aug 28 1995
ANNUAL RUNOFF (CFSM)	0.77		2.50		1.26	
ANNUAL RUNOFF (INCHES)	10.47		33.93		17.14	
10 PERCENT EXCEEDS	413		1070		597	
50 PERCENT EXCEEDS	152		461		231	
90 PERCENT EXCEEDS	65		191		82	

- a Also occurred Oct. 9-12.
- b From crest stage gage.
- c On basis of computation of peak flow over Lake Blalock Dam, at site and datum then in use.
- d Also occurred May 23, 2003.
- e Estimated

