

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 mi².

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e250	243	335	288	275	336	356	255	208	309	232	184
2	e240	249	320	317	262	341	317	304	160	250	312	313
3	e230	219	345	317	431	351	284	311	139	237	158	e170
4	e230	236	333	317	511	336	272	326	133	292	197	e120
5	e220	218	375	330	501	325	233	198	137	306	168	e140
6	e220	281	400	356	1300	312	218	254	135	316	268	314
7	e220	342	359	324	3260	319	218	164	133	184	109	925
8	e230	324	341	307	1800	294	219	179	159	202	55	10800
9	230	307	318	319	471	286	218	176	167	172	68	6500
10	261	291	415	319	490	294	211	173	164	158	72	1770
11	371	255	769	296	491	291	210	169	112	172	184	1010
12	402	262	581	308	542	287	366	165	93	328	490	964
13	338	250	493	378	535	252	508	168	351	226	182	932
14	277	219	914	248	505	233	707	167	324	232	199	902
15	243	222	903	270	452	262	441	140	594	209	184	875
16	272	228	633	268	488	311	430	183	1460	260	184	855
17	187	235	560	269	421	293	420	323	578	122	220	924
18	209	290	514	289	382	260	317	306	339	170	204	1070
19	234	744	480	296	368	248	276	222	320	227	103	1090
20	229	1210	443	304	358	230	263	120	301	118	251	1020
21	244	655	421	295	356	245	271	200	314	172	460	987
22	259	465	424	281	340	234	188	199	345	183	297	955
23	206	400	388	273	323	235	285	161	302	154	72	920
24	205	375	368	268	323	231	129	208	268	130	66	869
25	195	378	355	273	330	231	179	101	508	102	67	579
26	242	339	344	289	341	233	199	130	1060	105	69	624
27	363	340	315	314	372	239	218	134	603	118	69	662
28	350	361	315	314	356	253	273	132	371	452	73	776
29	301	379	336	302	341	221	133	113	369	571	69	952
30	280	350	318	390	---	257	180	99	281	425	95	984
31	268	---	312	239	---	254	---	171	---	235	159	---
TOTAL	8006	10667	13727	9358	16925	8494	8539	5951	10428	7137	5336	39186
MEAN	258	356	443	302	584	274	285	192	348	230	172	1306
MAX	402	1210	914	390	3260	351	707	326	1460	571	490	10800
MIN	187	218	312	239	262	221	129	99	93	102	55	120
CFSM	0.95	1.30	1.62	1.11	2.14	1.00	1.04	0.70	1.27	0.84	0.63	4.78
IN.	1.09	1.45	1.87	1.28	2.31	1.16	1.16	0.81	1.42	0.97	0.73	5.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	250	251	352	434	487	510	403	388	264	239	333	296
MAX	652	617	664	982	975	1096	915	1790	689	747	991	1306
(WY)	1996	1996	2003	1995	1998	2003	2003	2003	2003	2003	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	245705		143754			
ANNUAL MEAN	673		393			
HIGHEST ANNUAL MEAN					682	2003
LOWEST ANNUAL MEAN					143	2002
HIGHEST DAILY MEAN	e 11800	May 23	10800	Sep 8	e 11800	May 23 2003
LOWEST DAILY MEAN	187	Oct 17	55	Aug 8	44	Sep 11 2002
ANNUAL SEVEN-DAY MINIMUM	224	Oct 17	69	Aug 23	51	Sep 7 2002
MAXIMUM PEAK FLOW			14300	Sep 8	14300	Sep 8 2004
MAXIMUM PEAK STAGE			13.52	Sep 8	a 17.10	Aug 28 1995
ANNUAL RUNOFF (CFSM)	2.47		1.44		1.28	
ANNUAL RUNOFF (INCHES)	33.48		19.59		17.38	
10 PERCENT EXCEEDS	985		609		598	
50 PERCENT EXCEEDS	425		288		239	
90 PERCENT EXCEEDS	236		140		84	

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

e Estimated

