

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 sea level (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). City of Spartanburg diverted about 11 ft<sup>3</sup>/s above station at Lake Blalock for municipal supply.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	111	139	167	246	202	227	391	109	77	76	80
2	93	175	139	191	212	206	224	329	107	77	80	80
3	86	235	147	192	204	200	565	285	103	77	87	73
4	117	172	166	177	202	215	659	280	106	76	95	72
5	163	144	138	195	193	213	469	272	130	72	104	91
6	136	132	204	196	197	205	384	215	151	68	102	79
7	112	126	210	189	207	187	322	189	143	68	94	77
8	102	121	179	186	183	156	322	179	115	68	87	76
9	97	119	144	197	191	151	289	171	105	67	83	75
10	165	118	146	453	180	152	273	165	99	67	84	72
11	928	119	193	739	158	189	245	156	94	69	84	69
12	382	116	172	504	235	287	206	152	90	70	82	64
13	228	116	160	385	304	250	232	151	84	70	80	76
14	178	117	393	304	507	212	297	147	78	82	80	80
15	150	114	451	275	502	181	625	142	75	88	80	76
16	140	110	345	243	414	204	1400	136	81	79	80	72
17	136	106	217	224	325	667	785	131	97	74	80	72
18	127	106	179	220	283	491	549	130	100	72	79	73
19	121	107	183	214	293	378	400	129	95	72	76	72
20	126	109	209	223	269	e1460	352	127	97	72	74	72
21	134	113	276	201	261	e2800	337	130	99	70	74	73
22	126	114	333	199	221	1210	317	132	93	70	74	74
23	117	113	204	237	180	619	286	122	85	70	e74	112
24	102	114	209	240	171	458	300	160	78	71	73	139
25	100	125	203	231	173	410	428	198	73	72	71	136
26	101	308	e202	207	236	382	341	170	103	72	68	125
27	102	387	190	191	241	372	332	140	109	72	68	101
28	102	219	180	187	228	348	448	127	107	72	66	82
29	102	175	170	199	206	322	590	121	96	72	65	74
30	102	150	152	230	---	278	457	115	81	73	64	73
31	102	---	144	268	---	254	---	111	---	74	76	---
TOTAL	4874	4391	6377	7864	7222	13659	12661	5403	2983	2253	2460	2490
MEAN	157	146	206	254	249	441	422	174	99.4	72.7	79.4	83.0
MAX	928	387	451	739	507	2800	1400	391	151	88	104	139
MIN	86	106	138	167	158	151	206	111	73	67	64	64
CFSM	.58	.54	.75	.93	.91	1.61	1.55	.64	.36	.27	.29	.30
IN.	.66	.60	.87	1.07	.98	1.86	1.73	.74	.41	.31	.34	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	311	274	355	537	560	521	407	288	238	201	378	205
MAX	652	617	549	982	975	751	523	404	363	394	991	393
(WY)	1996	1996	1995	1995	1998	1998	1998	1998	1995	1994	1995	1995
MIN	150	146	206	254	249	228	283	174	99.4	72.7	79.4	77.5
(WY)	1999	2000	2000	2000	2000	1999	1999	2000	2000	2000	2000	1999

SANTEE RIVER BASIN

021556525 PACOLET RIVER BELOW LAKE BLALOCK NEAR COWPENS, SC--Continued  
 SUMMARY STATISTICS FOR 1999 CALENDAR YEAR FOR 2000 WATER YEAR WATER YEARS 1994 - 2000

ANNUAL TOTAL	68359		72637			
ANNUAL MEAN	187		198		354	
HIGHEST ANNUAL MEAN					524	1995
LOWEST ANNUAL MEAN					193	1999
HIGHEST DAILY MEAN	1200	Apr 2	2800	Mar 21	11000	Aug 28 1995
LOWEST DAILY MEAN	62	Aug 19	64	Aug 30	51	Sep 20 1997
ANNUAL SEVEN-DAY MINIMUM	65	Aug 13	68	Aug 24	65	Aug 13 1999
INSTANTANEOUS PEAK FLOW			Unknown	Mar 21	a 12000	Aug 28 1995
INSTANTANEOUS PEAK STAGE			7.05	Mar 21	b 17.10	Aug 28 1995
ANNUAL RUNOFF (CFSM)	.69		.73		1.30	
ANNUAL RUNOFF (INCHES)	9.31		9.90		17.63	
10 PERCENT EXCEEDS	323		374		572	
50 PERCENT EXCEEDS	158		144		270	
90 PERCENT EXCEEDS	81		73		119	

a On basis of computation of peak flow over Lake Blalock dam, at site and datum then in use.  
 b From floodmarks.

e Estimated

