

SANTEE RIVER BASIN

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02155500 PACOLET RIVER NEAR FINGERVILLE, SC

LOCATION.--Lat 35°06'35'', long 81°57'35'', Spartanburg County, Hydrologic Unit 03050105, on right bank, 100 ft upstream from bridge on State Road 55, 0.2 mi downstream from confluence of North Pacolet and South Pacolet Rivers, 2.8 mi southeast of Fingerville, and at mile 46.5.

DRAINAGE AREA.--212 mi².

PERIOD OF RECORD.--December 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1303: 1930-39 (monthly and yearly runoff).

GAGE.--Basic data recorder. Datum of gage is 706.33 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some regulation by South Pacolet River Reservoir and Lake William C. Bowen (02154950). Some diurnal fluctuation caused by mill on North Pacolet River. Water diverted above station for City of Spartanburg water supply during year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1903 reached a stage of 46 ft, from floodmark (discharge not determined).

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	341	181	325	326	362	653	569	330	246	487	393	175
2	453	192	319	321	358	429	578	286	854	378	347	141
3	392	314	290	315	370	361	423	252	596	451	313	139
4	355	937	278	312	375	316	365	248	415	994	262	135
5	356	920	271	311	331	288	327	247	330	605	252	132
6	384	511	274	307	323	287	342	248	316	927	248	130
7	231	388	332	302	312	281	346	242	449	6000	272	128
8	223	342	371	310	e303	325	481	243	386	6620	598	127
9	252	299	674	305	e296	283	717	228	461	1350	782	126
10	249	227	4270	294	e289	306	474	228	334	687	706	124
11	268	182	1490	239	e277	271	441	279	342	530	380	123
12	244	523	756	189	e272	248	445	235	333	466	349	121
13	243	616	593	423	e266	247	1290	247	437	e443	282	121
14	240	363	478	754	e261	245	1150	207	381	e465	251	119
15	187	313	357	489	e258	244	672	342	287	e468	239	118
16	160	298	322	403	235	305	497	320	246	e421	231	119
17	219	285	349	349	251	350	461	261	226	e395	223	129
18	180	297	441	331	248	314	443	233	227	e372	247	121
19	182	293	392	292	245	296	426	218	178	e349	243	115
20	225	273	336	284	250	287	403	353	180	e325	235	116
21	235	260	302	281	359	261	358	384	249	e326	262	114
22	218	254	286	276	392	274	299	324	247	294	223	112
23	210	256	776	287	293	444	322	303	317	313	217	112
24	199	280	1300	277	310	430	347	288	404	310	220	111
25	199	412	599	277	337	407	336	245	436	302	210	110
26	211	348	483	273	315	373	329	211	e453	258	231	112
27	206	317	409	255	263	343	336	208	e847	251	278	118
28	202	319	394	231	626	2800	271	192	e1400	247	278	113
29	197	303	380	234	---	1780	245	189	e1590	348	267	114
30	186	277	348	341	---	692	289	194	1080	445	218	111
31	182	---	332	369	---	739	---	202	---	367	214	---
TOTAL	7629	10780	18527	9957	8777	14879	13982	7987	14247	26194	9471	3686
MEAN	246	359	598	321	313	480	466	258	475	845	306	123
MAX	453	937	4270	754	626	2800	1290	384	1590	6620	782	175
MIN	160	181	271	189	235	244	245	189	178	247	210	110
CFSM	1.16	1.69	2.82	1.52	1.48	2.26	2.20	1.22	2.24	3.99	1.44	0.58
IN.	1.34	1.89	3.25	1.75	1.54	2.61	2.45	1.40	2.50	4.60	1.66	0.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	273	265	341	397	436	481	433	336	281	251	257	228
MAX	1313	784	733	1203	940	1324	1249	920	647	845	846	1003
(WY)	1965	1993	1984	1937	1990	1952	1936	2003	1961	2005	1940	2004
MIN	42.2	80.1	96.9	104	129	153	127	105	68.4	43.1	47.5	51.0
(WY)	1955	2001	2001	2001	1986	1988	1986	2001	2002	2002	2002	1954

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02155500 PACOLET RIVER NEAR FINGERVILLE, SC--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	130051		146116			
ANNUAL MEAN	355		400		332	
HIGHEST ANNUAL MEAN					535	1937
LOWEST ANNUAL MEAN					121	2002
HIGHEST DAILY MEAN	8330	Sep 8	6620	Jul 8	13500	Aug 14 1940
LOWEST DAILY MEAN	94	Aug 10	110	Sep 25	26	Aug 10 2002
ANNUAL SEVEN-DAY MINIMUM	125	Aug 5	112	Sep 20	27	Aug 7 2002
MAXIMUM PEAK FLOW			11500	Jul 7	a 22800	Aug 14 1940
MAXIMUM PEAK STAGE			13.76	Jul 7	22.43	Aug 14 1940
ANNUAL RUNOFF (CFSM)	1.68		1.89		1.57	
ANNUAL RUNOFF (INCHES)	22.82		25.64		21.27	
10 PERCENT EXCEEDS	492		597		565	
50 PERCENT EXCEEDS	248		302		246	
90 PERCENT EXCEEDS	146		182		108	

a From rating curve extended above 9,980 ft³/s by velocity-area studies.

e Estimated

