

SANTEE RIVER BASIN

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 sea level.

REMARKS.--Records good except for estimated daily discharges and discharges below 60 cfs, 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. About 42 ft³/s per day diverted from South Pacolet River above station for City of Spartanburg water supply during water 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	88	116	160	181	162	150	302	92	67	97	59
2	84	195	112	163	165	163	196	241	89	63	82	81
3	81	187	153	161	161	159	560	226	88	61	82	80
4	94	128	128	130	159	161	474	228	93	61	84	84
5	160	113	108	193	157	163	345	201	103	60	92	77
6	105	105	212	169	155	159	278	144	138	63	77	70
7	92	99	171	163	156	125	241	138	109	60	71	64
8	91	98	142	154	158	108	232	133	91	56	67	61
9	84	97	105	165	159	108	223	131	88	55	65	59
10	124	96	138	507	127	107	215	127	85	52	66	57
11	496	94	187	586	121	186	161	124	83	56	64	54
12	213	95	121	397	222	240	138	120	82	99	60	52
13	153	97	173	327	239	187	178	118	82	101	57	51
14	127	95	453	254	470	150	252	124	81	85	55	49
15	115	94	368	231	352	117	686	116	79	74	53	47
16	105	92	277	196	326	160	992	112	82	67	51	e44
17	101	90	146	180	289	635	537	111	85	62	50	e42
18	96	90	136	181	193	345	394	111	85	58	50	e46
19	91	90	171	183	237	280	292	109	86	56	51	56
20	94	91	178	182	222	2100	276	105	91	55	50	55
21	113	96	283	173	209	2280	263	106	88	53	69	58
22	100	93	228	167	149	722	253	109	83	56	62	80
23	93	93	155	192	127	466	215	104	79	60	61	104
24	88	93	173	192	125	337	249	174	78	65	60	93
25	87	101	165	178	159	316	329	161	74	68	61	88
26	88	424	160	164	204	296	266	130	72	70	54	80
27	87	266	155	156	180	287	264	103	70	64	52	68
28	86	159	151	156	167	277	459	100	69	61	53	60
29	86	138	134	157	157	252	428	98	69	58	50	60
30	86	123	120	184	---	196	361	95	73	63	47	56
31	86	---	115	205	---	186	---	94	---	95	50	---
TOTAL	3600	3720	5434	6606	5726	11430	9907	4295	2567	2024	1943	1935
MEAN	116	124	175	213	197	369	330	139	85.6	65.3	62.7	64.5
MAX	496	424	453	586	470	2280	992	302	138	101	97	104
MIN	81	88	105	130	121	107	138	94	69	52	47	42
CFSM	.55	.58	.83	1.01	.93	1.74	1.56	.65	.40	.31	.30	.30
IN.	.63	.65	.95	1.16	1.00	2.01	1.74	.75	.45	.36	.34	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2000, BY WATER YEAR (WY)

MEAN	282	269	340	409	446	486	440	337	280	242	260	221
MAX	1313	784	733	1203	940	1324	1249	816	647	486	846	763
(WY)	1965	1993	1984	1937	1990	1952	1936	1959	1961	1945	1940	1975
MIN	42.2	83.6	106	107	129	153	127	107	85.6	47.7	59.0	51.0
(WY)	1955	1982	1956	1956	1986	1988	1986	1988	2000	1986	1988	1954

SUMMARY STATISTICS	02155500 PACOLET RIVER NEAR FINGERVILLE, SC--Continued		WATER YEARS 1930 - 2000	
	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	54131	59187		
ANNUAL MEAN	148	162	335	
HIGHEST ANNUAL MEAN			535	1937
LOWEST ANNUAL MEAN			140	1988
HIGHEST DAILY MEAN	895	2280	13500	Aug 14 1940
LOWEST DAILY MEAN	48	42	32	b Oct 6 1954
ANNUAL SEVEN-DAY MINIMUM	50	47	35	Oct 4 1954
INSTANTANEOUS PEAK FLOW		3710	c 22800	Aug 14 1940
INSTANTANEOUS PEAK STAGE		6.29	22.43	Aug 14 1940
ANNUAL RUNOFF (CFSM)	.70	.76	1.58	
ANNUAL RUNOFF (INCHES)	9.50	10.39	21.45	
10 PERCENT EXCEEDS	257	281	567	
50 PERCENT EXCEEDS	121	112	249	
90 PERCENT EXCEEDS	69	58	113	

- a Also occurred Sep. 18.
- b Also occurred Oct. 7, 1954.
- c From rating curve extended above 9,600 ft³/s by velocity-area studies.
- e Estimated

