

SANTEE RIVER BASIN

02154500 NORTH PACOLET RIVER AT FINGERVILLE, SC

LOCATION.--Lat 35 07'15'', long 81 59'10'', Spartanburg County, Hydrologic Unit 03050105, on right bank at McMillin Mill, about 400 ft downstream from Obed Creek, 1.4 mi south of Fingerville, and at mile 48.5.

DRAINAGE AREA.--116 mi².

PERIOD OF RECORD.--April 1930 to current year. Monthly discharge only for some periods, published in WSP-1303.

GAGE.--Data collection platform. Datum of gage is 715.56 ft above NGVD of 1929. From November 26, 1929 to November 24, 1933, recording gage at site about 400 ft downstream at datum 5.60 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some diurnal fluctuation at low and medium flow caused by mill above station.

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	77	97	99	215	133	205	237	237	273	264	502	262
2	70	88	95	214	128	205	228	238	263	1300	371	206
3	65	84	92	210	125	188	225	267	311	1570	297	192
4	60	83	94	194	132	178	220	421	449	482	297	185
5	57	88	447	185	133	174	228	295	339	371	580	188
6	55	182	348	178	123	335	234	1010	287	322	345	181
7	53	136	212	168	159	305	762	1310	651	298	328	176
8	52	111	172	161	151	239	548	785	1080	296	294	174
9	51	102	150	161	137	215	499	463	533	267	305	166
10	54	100	140	158	135	195	846	378	393	265	264	166
11	59	199	398	152	132	185	1140	333	343	295	415	159
12	57	284	301	147	126	178	548	312	316	445	953	155
13	60	241	420	144	125	171	409	283	300	323	680	152
14	61	179	517	142	126	166	350	265	282	279	364	150
15	251	149	310	140	138	163	327	263	274	299	328	151
16	e650	249	243	139	142	365	298	261	263	286	287	152
17	e250	383	210	139	194	286	275	274	263	250	278	141
18	176	243	189	137	183	369	647	312	269	230	273	139
19	133	187	175	136	171	422	482	305	407	230	253	135
20	112	161	525	133	160	3120	375	276	306	240	232	132
21	102	146	362	133	154	2200	341	268	261	221	226	131
22	100	e135	257	133	555	520	322	1410	243	214	235	144
23	96	e127	219	134	816	388	285	1750	230	215	298	344
24	89	e120	599	122	354	332	270	689	224	208	225	192
25	86	e116	812	127	269	297	266	523	217	206	212	158
26	91	109	363	125	234	274	334	422	209	195	203	148
27	85	105	281	123	247	262	281	381	209	195	195	143
28	88	102	248	119	227	247	252	338	253	194	189	157
29	117	100	225	122	---	238	243	322	230	188	190	140
30	130	99	207	151	---	295	233	308	230	194	185	135
31	111	---	193	146	---	272	---	293	---	749	192	---
TOTAL	3498	4505	8903	4688	5709	12989	11705	14992	9908	11091	9996	5054
MEAN	113	150	287	151	204	419	390	484	330	358	322	168
MAX	650	383	812	215	816	3120	1140	1750	1080	1570	953	344
MIN	51	83	92	119	123	163	220	237	209	188	185	131
CFSM	0.97	1.29	2.48	1.30	1.76	3.61	3.36	4.17	2.85	3.08	2.78	1.45
IN.	1.12	1.44	2.86	1.50	1.83	4.17	3.75	4.81	3.18	3.56	3.21	1.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	171	163	200	250	266	292	261	207	176	153	165	141
MAX	795	429	459	791	621	752	763	484	439	358	490	405
(WY)	1965	1993	1962	1937	1960	1952	1936	2003	1961	2003	1940	1975
MIN	35.1	56.8	65.7	66.6	93.9	100	91.5	82.8	58.0	36.1	29.7	34.1
(WY)	1955	1932	1956	1956	2001	1955	1986	1988	2002	2002	2002	1954

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	41067		103038			
ANNUAL MEAN	113		282		204	
HIGHEST ANNUAL MEAN					340	1937
LOWEST ANNUAL MEAN					87.0	2002
HIGHEST DAILY MEAN	812	Dec 25	3120	Mar 20	8110	Oct 5 1964
LOWEST DAILY MEAN	14	Aug 14	51	Oct 9	14	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	17	Aug 8	54	Oct 5	17	Aug 8 2002
MAXIMUM PEAK FLOW			3890	Mar 20	b 12500	Aug 14 1940
MAXIMUM PEAK STAGE			13.82	Mar 20	27.13	Aug 14 1940
INSTANTANEOUS LOW FLOW			50	a Oct 8	9.0	Oct 6 1954
ANNUAL RUNOFF (CFSM)	0.97		2.43		1.76	
ANNUAL RUNOFF (INCHES)	13.17		33.04		23.90	
10 PERCENT EXCEEDS	208		471		335	
50 PERCENT EXCEEDS	95		225		155	
90 PERCENT EXCEEDS	32		104		79	

a Also occurred Oct. 9.

b From rating curve extended above 4,300 ft³/s on basis of computation of peak flow over dam 2.0 miles above station.

e Estimated

