

SANTEE RIVER BASIN

02158408 SOUTH TYGER RIVER BELOW DUNCAN, SC

LOCATION.--Lat 34°55'15'', long 82°07'49'', Spartanburg County, Hydrologic Unit 03050107, on downstream side of County Road 242 bridge, 2.0 mi south of Lyman and 1.5 mi southwest of Duncan, SC.

DRAINAGE AREA.--94.4 mi².

PERIOD OF RECORD.--February 2001 to current year.

GAGE.--Data collection platform. Elevation of gage is 728 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records good except for estimated daily discharges, which are poor.

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	73	93	75	183	123	186	194	166	183	217	354	159
2	65	83	71	168	113	181	182	201	172	1070	842	166
3	59	75	71	188	108	161	173	197	248	1040	607	162
4	54	71	77	167	152	147	168	183	320	653	446	158
5	49	110	420	150	131	143	193	196	277	425	688	153
6	46	212	399	144	118	398	194	765	255	322	611	142
7	42	159	256	138	184	289	719	974	515	289	1280	134
8	39	125	192	132	147	226	514	628	540	385	1170	130
9	36	109	156	129	130	193	464	433	456	327	632	126
10	37	103	137	124	133	170	636	322	334	260	423	122
11	37	157	311	119	122	153	559	262	266	237	321	118
12	36	224	242	115	114	142	402	230	236	252	282	115
13	82	194	409	112	107	137	312	203	264	228	239	113
14	69	153	395	111	105	136	263	183	210	221	219	111
15	389	131	282	109	113	134	233	179	199	269	205	113
16	966	225	220	106	135	233	212	183	200	444	211	115
17	612	255	183	111	180	190	218	307	209	319	215	112
18	304	205	159	107	165	217	483	271	202	254	212	107
19	196	167	144	102	148	323	293	247	233	244	248	103
20	147	145	435	100	138	e2400	249	224	293	217	193	100
21	128	129	343	100	130	e1500	250	213	280	254	186	99
22	111	119	251	108	434	742	247	e1550	230	286	196	149
23	96	107	201	113	516	480	221	e1500	201	241	182	391
24	87	95	620	109	334	363	201	747	180	244	175	231
25	82	92	660	96	247	297	199	484	165	199	167	179
26	86	88	407	93	208	258	233	366	155	187	158	145
27	78	87	284	92	250	231	218	298	151	189	149	138
28	89	82	228	88	214	211	196	258	156	172	152	140
29	110	80	196	96	---	199	183	230	168	167	178	114
30	114	79	175	176	---	255	175	210	165	233	140	104
31	104	---	162	144	---	221	---	196	---	638	139	---
TOTAL	4423	3954	8161	3830	4999	10916	8784	12406	7463	10483	11220	4249
MEAN	143	132	263	124	179	352	293	400	249	338	362	142
MAX	966	255	660	188	516	2400	719	1550	540	1070	1280	391
MIN	36	71	71	88	105	134	168	166	151	167	139	99
CFSM	1.51	1.40	2.79	1.31	1.89	3.73	3.10	4.24	2.64	3.58	3.83	1.50
IN.	1.74	1.56	3.22	1.51	1.97	4.30	3.46	4.89	2.94	4.13	4.42	1.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

	2001	2002	2003	2001	2002	2003	2001	2002	2003	2001	2002	2003
MEAN	93.0	88.0	166	127	136	204	151	177	107	140	137	101
MAX	143	132	263	131	179	352	293	400	249	338	362	142
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2003
MIN	43.4	44.2	68.9	124	92.9	106	68.6	47.5	26.7	28.4	22.8	55.9
(WY)	2002	2002	2002	2003	2002	2002	2002	2001	2002	2002	2001	2001

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	36858.0		90888			
ANNUAL MEAN	101		249		159	
HIGHEST ANNUAL MEAN					249 2003	
LOWEST ANNUAL MEAN					68.8 2002	
HIGHEST DAILY MEAN	966	Oct 16	e 2400	Mar 20	e 2400	Mar 20 2003
LOWEST DAILY MEAN	9.5	Aug 11	36	a Oct 9	9.5	Aug 11 2002
ANNUAL SEVEN-DAY MINIMUM	10	Aug 8	39	Oct 6	10	Aug 8 2002
MAXIMUM PEAK FLOW			Unknown Mar 20		Unknown Mar 20 2003	
MAXIMUM PEAK STAGE			13.37 Mar 20		13.37 Mar 20 2003	
ANNUAL RUNOFF (CFM)	1.07		2.64		1.68	
ANNUAL RUNOFF (INCHES)	14.52		35.82		22.87	
10 PERCENT EXCEEDS	203		450		312	
50 PERCENT EXCEEDS	75		187		108	
90 PERCENT EXCEEDS	18		94		25	

a Also occurred Oct. 12.

e Estimated

