

SANTEE RIVER BASIN

201

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	105	135	118	108	131	151	141	73	114	111	129
2	101	102	128	119	109	133	129	154	69	117	117	148
3	99	100	121	119	221	140	115	139	63	182	128	105
4	98	100	133	120	178	138	109	117	63	129	114	87
5	97	106	158	131	162	134	e104	102	65	146	91	74
6	100	161	153	145	543	133	98	94	62	146	81	70
7	101	138	142	127	934	129	94	87	60	118	71	464
8	120	132	130	117	604	125	94	82	62	137	63	2190
9	125	116	126	116	377	118	94	78	90	112	59	1180
10	125	109	222	113	281	116	93	78	78	87	58	562
11	128	104	292	111	227	115	94	80	71	158	54	345
12	122	102	243	111	257	114	121	79	63	180	312	249
13	117	101	204	109	218	112	244	80	80	131	181	200
14	115	100	383	109	196	110	188	78	184	97	114	167
15	123	93	290	109	218	113	147	76	168	82	94	145
16	112	90	231	107	199	121	125	74	203	73	80	141
17	104	97	215	103	175	118	114	74	147	104	73	565
18	103	99	196	115	163	112	107	111	117	165	72	385
19	101	437	175	117	155	111	102	132	119	109	75	239
20	101	361	158	110	151	110	96	102	113	91	72	172
21	101	262	146	107	146	112	93	90	165	79	73	140
22	102	200	141	106	141	109	90	82	123	72	75	124
23	99	167	138	105	137	101	88	77	107	68	76	114
24	95	164	140	101	137	99	85	73	97	91	74	107
25	94	160	135	111	134	100	83	68	203	135	70	101
26	98	147	129	129	138	101	89	64	318	65	65	96
27	167	137	126	127	155	100	102	60	207	71	61	243
28	139	157	125	124	143	99	93	58	153	115	58	1480
29	127	159	124	117	134	98	85	56	126	291	56	548
30	115	142	129	115	---	112	82	57	114	238	54	324
31	108	---	124	113	---	143	---	84	---	139	51	---
TOTAL	3439	4448	5292	3581	6741	3607	3309	2727	3563	3842	2733	10894
MEAN	111	148	171	116	232	116	110	88.0	119	124	88.2	363
MAX	167	437	383	145	934	143	244	154	318	291	312	2190
MIN	94	90	121	101	108	98	82	56	60	65	51	70
CFSM	1.18	1.57	1.81	1.22	2.46	1.23	1.17	0.93	1.26	1.31	0.93	3.85
IN.	1.36	1.75	2.09	1.41	2.66	1.42	1.30	1.07	1.40	1.51	1.08	4.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

	2001	2002	2003	2004	2001	2002	2003	2004	2001	2002	2003	2004
MEAN	99.0	108	168	123	169	182	141	155	110	136	125	167
MAX	143	148	263	131	232	352	293	400	249	338	362	363
(WY)	2003	2004	2003	2002	2004	2003	2003	2003	2003	2003	2003	2004
MIN	43.4	44.2	68.9	116	92.9	106	68.6	47.5	26.7	28.4	22.8	55.9
(WY)	2002	2002	2002	2004	2002	2002	2002	2001	2002	2002	2001	2001

SANTEE RIVER BASIN

02158408 SOUTH TYGER RIVER BELOW DUNCAN, SC--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	87529		54176		155	
ANNUAL MEAN	240		148		249	
HIGHEST ANNUAL MEAN					68.8	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	e 2400	Mar 20	2190	Sep 8	e 2400	Mar 20 2003
LOWEST DAILY MEAN	88	Jan 28	51	Aug 31	9.5	Aug 11 2002
ANNUAL SEVEN-DAY MINIMUM	97	Nov 12	59	Aug 25	10	Aug 8 2002
MAXIMUM PEAK FLOW			2810		3460	
MAXIMUM PEAK STAGE			12.24		13.37	
ANNUAL RUNOFF (CFSM)	2.54		1.57		1.64	
ANNUAL RUNOFF (INCHES)	34.49		21.35		22.35	
10 PERCENT EXCEEDS	433		218		281	
50 PERCENT EXCEEDS	176		115		112	
90 PERCENT EXCEEDS	103		73		31	

e Estimated

