

SANTEE RIVER BASIN

02157510 MIDDLE TYGER RIVER NEAR LYMAN, SC

LOCATION.--Lat 34°56'24'', long 82°07'25'', Spartanburg County, Hydrologic Unit 03050107, on downstream side of County Road 242 bridge, approximately 100 ft below treatment plant dam, and 2.2 mi southeast of Lyman.

DRAINAGE AREA.--69.0 mi<sup>2</sup>.

PERIOD OF RECORD.--February 2000 to current year.

GAGE.--Data collection platform. Elevation of gage is 758 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records good, except for estimated daily discharges and those above 150 ft<sup>3</sup>/s, 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	37	58	49	117	82	123	111	101	121	138	216	91
2	34	48	44	114	76	116	104	134	104	787	224	90
3	30	47	46	116	73	107	98	160	136	1000	223	86
4	27	42	49	104	83	95	95	237	208	266	192	85
5	26	52	217	97	84	92	103	234	189	192	288	94
6	28	118	408	91	73	195	117	565	177	160	517	84
7	21	108	182	83	103	248	343	1280	324	149	349	78
8	20	78	124	81	100	154	431	545	371	204	290	80
9	19	64	96	80	87	125	309	274	231	142	210	79
10	22	63	86	79	84	112	351	190	153	122	161	73
11	26	79	164	77	78	99	542	174	150	119	148	70
12	25	128	179	70	72	93	319	153	144	138	142	68
13	46	132	196	72	67	89	212	134	147	144	136	67
14	67	98	342	70	67	89	170	122	129	144	118	67
15	225	82	204	68	75	92	148	118	121	187	110	67
16	753	113	142	65	85	140	134	122	118	211	110	65
17	567	177	110	71	110	145	128	148	123	145	168	61
18	141	135	96	67	107	143	289	154	119	120	135	58
19	97	104	88	65	96	193	258	142	145	160	139	56
20	79	92	256	64	90	e1900	182	130	217	160	115	56
21	73	80	320	68	84	e1950	162	128	155	146	105	57
22	59	74	171	71	202	435	159	e875	121	151	112	73
23	51	63	131	73	564	257	132	e1870	108	127	138	226
24	47	62	287	64	244	187	120	542	104	159	125	156
25	46	60	713	62	154	145	121	225	95	120	107	97
26	51	59	289	63	126	135	144	204	88	113	96	82
27	50	58	172	62	141	124	152	187	88	109	91	79
28	49	53	141	60	141	116	123	154	99	100	90	83
29	64	53	123	64	---	114	112	133	105	94	99	70
30	72	51	109	98	---	141	103	127	94	123	89	64
31	65	---	103	98	---	140	---	120	---	417	88	---
TOTAL	2917	2431	5637	2434	3348	8094	5772	9682	4484	6347	5131	2462
MEAN	94.1	81.0	182	78.5	120	261	192	312	149	205	166	82.1
MAX	753	177	713	117	564	1950	542	1870	371	1000	517	226
MIN	19	42	44	60	67	89	95	101	88	94	88	56
CFSM	1.36	1.17	2.64	1.14	1.73	3.78	2.79	4.53	2.17	2.97	2.40	1.19
IN.	1.57	1.31	3.04	1.31	1.81	4.36	3.11	5.22	2.42	3.42	2.77	1.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

	2000	2001	2002	2003	2000	2001	2002	2003	2000	2001	2002	2003
MEAN	40.8	44.0	87.8	69.1	89.8	130	106	109	55.3	65.4	51.1	41.4
MAX	94.1	81.0	182	79.5	120	261	192	312	149	205	166	82.1
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2003
MIN	7.96	24.5	39.9	49.4	55.4	56.0	44.1	30.9	10.8	7.24	7.01	11.2
(WY)	2001	2002	2002	2001	2002	2001	2002	2001	2002	2002	2002	2000

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	21701.26		58739		78.6	
ANNUAL MEAN	59.5		161		161	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					36.5	
HIGHEST DAILY MEAN	753	Oct 16	e 1950	Mar 21	e 1950	Mar 21 2003
LOWEST DAILY MEAN	0.66	Aug 29	19	Oct 9	0.66	Aug 29 2002
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 23	23	Oct 6	1.1	Aug 23 2002
MAXIMUM PEAK FLOW			Unknown	Mar 20	Unknown	Mar 20 2003
MAXIMUM PEAK STAGE			6.56	Mar 20	6.56	Mar 20 2003
ANNUAL RUNOFF (CFSM)	0.86		2.33		1.14	
ANNUAL RUNOFF (INCHES)	11.70		31.67		15.47	
10 PERCENT EXCEEDS	123		261		153	
50 PERCENT EXCEEDS	43		114		44	
90 PERCENT EXCEEDS	4.6		59		8.7	

e Estimated

