

SANTEE RIVER BASIN

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02160105 TYGER RIVER NEAR DELTA, SC

LOCATION.--Lat 34°32'07'', long 81°32'54'', Union County, Hydrologic Unit 03050107, on upstream side of bridge on State Highway 72 and 121, 0.9 mi downstream from Seaboard Coast Line Railroad, 0.8 mi southeast of Delta, and at mile 9.0.

DRAINAGE AREA.--759 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Data collection platform. Datum of gage is 300 ft above NGVD of 1929 (from topographic map).

REMARKS.--No estimated daily discharges. Records good.

Discharge, cubic feet per second												
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2620	419	554	667	791	2250	2870	684	569	2680	665	380
2	1210	412	571	645	690	1600	2370	758	2040	1510	698	362
3	976	414	594	628	732	1120	1680	676	2520	1170	561	348
4	995	466	567	619	1170	958	1330	617	1620	1060	496	331
5	853	726	539	609	1040	869	1150	587	1060	996	449	316
6	735	1130	527	598	853	802	1040	588	856	1140	418	298
7	661	917	587	599	768	759	1000	595	756	934	458	286
8	607	727	813	602	721	1020	1190	564	887	1380	593	277
9	559	630	728	584	697	1120	2060	540	732	4890	1050	272
10	528	564	1030	586	682	957	1660	523	837	6450	1160	272
11	506	522	3140	574	655	826	1230	531	907	1980	1300	251
12	484	511	6710	569	628	755	1060	585	796	1260	892	243
13	621	557	3420	560	602	715	1260	543	687	1090	667	232
14	555	706	1460	1020	602	745	1370	518	655	1020	605	229
15	504	625	1130	1560	656	762	1570	550	646	942	619	224
16	473	563	969	1190	655	1020	1260	647	598	1280	514	217
17	443	531	869	929	625	2030	1050	646	542	881	491	212
18	423	511	807	799	599	1540	935	573	500	746	556	210
19	414	496	766	722	614	1130	868	531	503	672	607	211
20	410	489	722	681	565	949	814	585	787	625	530	203
21	437	478	683	664	650	855	768	1100	642	629	480	201
22	463	486	650	650	1470	805	735	1060	633	619	452	205
23	451	510	677	634	1120	1030	789	771	621	555	458	199
24	447	553	1300	608	1050	1530	861	648	553	578	526	193
25	466	634	1570	597	1260	1230	779	571	496	509	465	192
26	467	721	1190	587	1010	988	703	519	487	476	431	188
27	447	643	960	582	858	997	691	484	923	449	399	191
28	433	638	836	568	1650	3320	715	461	2580	430	398	197
29	429	607	767	546	---	7890	674	448	4710	461	392	207
30	429	571	720	588	---	7850	648	487	4050	588	385	204
31	425	---	692	732	---	3300	---	501	---	733	381	---
TOTAL	19471	17757	36548	21497	23413	51722	35130	18891	34193	38733	18096	7351
MEAN	628	592	1179	693	836	1668	1171	609	1140	1249	584	245
MAX	2620	1130	6710	1560	1650	7890	2870	1100	4710	6450	1300	380
MIN	410	412	527	546	565	715	648	448	487	430	381	188
CFSM	0.83	0.78	1.55	0.91	1.10	2.20	1.54	0.80	1.50	1.65	0.77	0.32
IN.	0.95	0.87	1.79	1.05	1.15	2.53	1.72	0.93	1.68	1.90	0.89	0.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2005, BY WATER YEAR (WY)

	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05
MEAN	763	795	981	1412	1443	1735	1246	947	711	599	622	525																				
MAX	3011	2519	2354	3020	2683	3545	2699	2404	1517	1507	2295	2037																				
(WY)	1991	1986	1984	1978	1979	1993	2003	2003	1975	1984	1995	2004																				
MIN	156	255	348	474	494	660	515	277	143	109	78.2	149																				
(WY)	2001	2002	2002	2001	2001	2004	1986	2001	2002	2002	2002	1999																				

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1974 - 2005	
ANNUAL TOTAL	286923		322802		980	
ANNUAL MEAN	784		884		1474	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					420	
HIGHEST DAILY MEAN	9070	Sep 9	7890	Mar 29	26000	Oct 10 1976
LOWEST DAILY MEAN	217	Aug 11	188	Sep 26	28	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	244	Jun 3	195	Sep 22	32	Aug 10 2002
MAXIMUM PEAK FLOW			8980	Mar 30	37500	Oct 11 1976
MAXIMUM PEAK STAGE			15.77	Mar 30	a 26.31	Oct 11 1976
INSTANTANEOUS LOW FLOW					26	b Aug 14 2002
ANNUAL RUNOFF (CFSM)	1.03		1.17		1.29	
ANNUAL RUNOFF (INCHES)	14.06		15.82		17.54	
10 PERCENT EXCEEDS	1160		1370		1740	
50 PERCENT EXCEEDS	565		647		679	
90 PERCENT EXCEEDS	320		411		271	

a From floodmarks.  
 b Also occurred Aug. 15, 2002.

