

## SANTEE RIVER BASIN

02168504 SALUDA RIVER BELOW LAKE MURRAY NEAR COLUMBIA, SC

LOCATION.--Lat 34°03'03'', long 81°12'35'', Lexington County, Hydrologic Unit 03050109, on left bank, approximately 1000 ft downstream from Lake Murray Dam on Saluda River, and at mile 9.7.

DRAINAGE AREA.--2,420 mi<sup>2</sup>, approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Data collection platform. Elevation of gage is 170 ft above NGVD of 1929 (from topographic map).

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Murray (see sta 02168500). Water diverted above station by City of Columbia for municipal supply.

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	1130	874	748	2330	1990	682	726	1380	509	1130	560	562
2	828	876	781	1530	1150	728	699	765	617	534	566	562
3	711	862	791	962	1290	715	688	763	614	536	717	564
4	647	1020	889	960	1670	498	676	1050	651	538	966	566
5	643	1210	1070	953	2080	1320	668	760	680	528	685	569
6	761	1210	1120	1160	2360	513	620	760	694	533	763	570
7	898	1200	1060	1330	4390	699	555	1080	597	537	795	598
8	904	1210	967	1340	4500	1020	539	2930	455	531	795	1710
9	888	1220	990	1350	5140	1250	538	644	481	534	662	3460
10	859	1220	1060	1360	5400	1270	538	629	483	532	586	3920
11	831	1180	1220	2370	3590	1370	536	1060	484	536	566	4480
12	835	1130	1220	2340	3560	1190	494	593	606	533	585	4490
13	823	987	1220	2470	6090	1170	646	580	243	528	582	4500
14	1380	1110	1720	1640	4830	1150	1010	1200	394	527	585	4510
15	1250	905	2120	997	6550	858	1130	476	667	531	589	6070
16	1060	868	1950	1000	8010	551	1120	1010	718	526	597	5900
17	785	707	1920	1010	3260	599	1110	543	1450	541	615	4280
18	783	418	2400	1010	3040	839	1100	614	768	704	605	3300
19	789	419	2510	1010	1460	787	1080	550	951	579	584	2810
20	1030	522	2450	1030	688	783	1230	733	869	559	577	2360
21	1080	564	2430	1390	582	948	1960	615	625	524	580	2360
22	1060	815	2420	1420	1380	1270	1300	612	579	517	585	2430
23	1230	556	2390	1070	1100	2160	1590	616	539	518	590	1510
24	1130	552	2340	1100	714	1100	829	2100	542	520	540	610
25	988	552	2340	1250	598	570	808	1370	544	521	510	575
26	1090	555	2340	1650	5180	561	800	377	545	513	540	621
27	1060	555	2340	1640	3670	553	793	322	559	506	551	2630
28	820	538	2360	2020	2650	550	780	338	559	507	517	4210
29	665	655	2340	2360	1330	550	789	354	549	511	658	12200
30	776	643	2330	2490	---	2540	779	304	578	545	541	3140
31	880	---	2320	2490	---	535	---	214	---	558	569	---
TOTAL	28614	25133	54156	47032	88252	29329	26131	25342	18550	17237	19161	86067
MEAN	923	838	1747	1517	3043	946	871	817	618	556	618	2869
MAX	1380	1220	2510	2490	8010	2540	1960	2930	1450	1130	966	12200
MIN	643	418	748	953	582	498	494	214	243	506	510	562
CFSM	0.38	0.35	0.72	0.63	1.26	0.39	0.36	0.34	0.26	0.23	0.26	1.19
IN.	0.44	0.39	0.83	0.72	1.36	0.45	0.40	0.39	0.29	0.26	0.29	1.32

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	2347	2110	2318	2837	3494	3800	2382	1806	1762	2153	2467	2680				
MAX	5467	4579	5773	8890	8396	10150	6748	5466	3241	4321	5805	7837				
(WY)	1991	1993	1993	1993	1998	2003	2003	2003	2003	2003	1994	1996				
MIN	923	421	370	396	590	518	497	470	466	556	618	675				
(WY)	2004	2000	1991	1989	2001	2001	1995	1999	1999	2004	2004	1999				

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	1376856		465004		2509	
ANNUAL MEAN	3772		1271		4328	
HIGHEST ANNUAL MEAN					1037	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	18600	Mar 7	12200	Sep 29	21800	Jan 16 1995
LOWEST DAILY MEAN	418	Nov 18	214	May 31	155	a Sep 24 1989
ANNUAL SEVEN-DAY MINIMUM	549	Nov 18	345	May 26	168	Jan 12 1989
MAXIMUM PEAK FLOW			17100		22400	
MAXIMUM PEAK STAGE			14.52		b 16.01	
ANNUAL RUNOFF (CFSM)	1.56		0.525		1.04	
ANNUAL RUNOFF (INCHES)	21.16		7.15		14.08	
10 PERCENT EXCEEDS	9030		2460		5800	
50 PERCENT EXCEEDS	2450		812		1570	
90 PERCENT EXCEEDS	851		531		446	

a Also occurred Sep. 25, 29, 1989.  
 b Caused by backwater from spillway floodgates.

