

02168504 SALUDA RIVER BELOW LAKE MURRAY NEAR COLUMBIA, SC

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

DRAINAGE AREA.--2,420 mi², approximately.

WATER-DISCHARGE RECORDS

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

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

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lake Murray (see station 02168500). City of Columbia diverted about 42 ft³/s above station for municipal supply.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	570	1870	438	4820	483	1150	584	508	444	1120	702
2	158	634	1340	436	2170	512	1100	452	507	519	2300	674
3	173	163	1020	400	2460	509	2580	445	1570	581	3120	617
4	700	166	582	873	4250	178	807	443	392	555	1690	518
5	686	176	491	2530	4900	164	560	444	483	501	1230	528
6	402	200	455	3010	7260	163	575	444	605	615	1180	539
7	916	202	3100	2420	2970	191	580	442	545	526	3390	1490
8	424	203	723	2500	2190	167	501	438	461	614	2100	930
9	445	205	782	465	1230	167	2950	1270	467	573	4250	669
10	414	205	602	469	919	168	2710	220	467	522	1210	725
11	2420	307	508	729	607	901	534	217	467	464	2770	659
12	296	347	508	3350	469	696	528	752	507	494	1360	687
13	346	348	506	2280	468	1780	1240	2940	310	461	998	684
14	3000	350	505	5250	479	1650	1090	569	753	474	2010	677
15	7880	649	506	4950	1490	3010	1500	455	2320	428	1240	794
16	7550	1070	503	1580	1080	690	658	458	674	459	743	730
17	2820	1500	994	2910	2180	1050	2570	462	597	352	742	831
18	921	498	541	5470	893	1760	689	549	701	197	1050	656
19	457	436	542	4380	883	472	224	536	593	520	841	1200
20	207	437	539	2630	642	2710	227	655	902	545	633	1030
21	956	437	1340	3260	449	3630	463	433	784	755	596	1020
22	417	468	760	4710	652	3890	338	435	597	713	588	699
23	416	231	820	1540	510	1060	375	436	534	456	1730	688
24	417	230	775	7110	526	1860	387	638	503	346	587	5490
25	508	233	776	5920	500	577	383	407	499	175	634	5080
26	565	237	777	8800	474	699	386	274	660	176	628	2620
27	487	235	723	9520	465	2120	381	842	607	2260	993	2300
28	419	235	6790	8190	469	3580	378	503	600	255	767	3480
29	422	235	822	3420	456	856	378	507	392	179	712	4420
30	424	1420	468	5370	---	2570	381	508	307	859	1060	3930
31	424	---	463	8570	---	1160	---	508	---	2430	1810	---
TOTAL	35829	12627	31131	113480	46861	39423	26623	18266	19312	18448	44082	45067
MEAN	1156	421	1004	3661	1616	1272	887	589	644	595	1422	1502
MAX	7880	1500	6790	9520	7260	3890	2950	2940	2320	2430	4250	5490
MIN	158	163	455	400	449	163	224	217	307	175	587	518
CFSM	.48	.17	.41	1.51	.67	.53	.37	.24	.27	.25	.59	.62
IN.	.55	.19	.48	1.74	.72	.61	.41	.28	.30	.28	.68	.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	2509	2238	2423	3284	3969	4045	2448	1777	1914	2272	2656	2995
MAX	5467	4579	5773	8890	8396	7437	6595	4617	3190	4067	5805	7837
(WY)	1991	1993	1993	1993	1998	1993	1998	1998	1994	1989	1994	1996
MIN	1156	421	370	396	718	1209	497	470	466	595	691	675
(WY)	2000	2000	1991	1989	1989	1999	1995	1999	1999	2000	1999	1999

SANTEE RIVER BASIN

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	358132		451149		2705	
ANNUAL MEAN	981		1233		4097	
HIGHEST ANNUAL MEAN					1233	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	8090	Jul 23	9520	Jan 27	21800	Jan 16 1995
LOWEST DAILY MEAN	158	Oct 2	158	Oct 2	155	a Sep 24 1989
ANNUAL SEVEN-DAY MINIMUM	188	Nov 3	171	Mar 4	168	Jan 12 1989
INSTANTANEOUS PEAK FLOW			18300		22400	
INSTANTANEOUS PEAK STAGE			15.03		b 16.01	
ANNUAL RUNOFF (CFSM)	.41		.51		1.12	
ANNUAL RUNOFF (INCHES)	5.51		6.94		15.19	
10 PERCENT EXCEEDS	2070		3000		6570	
50 PERCENT EXCEEDS	582		606		1770	
90 PERCENT EXCEEDS	332		289		441	

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

