

02167000 SALUDA RIVER AT CHAPPELLETS, SC

LOCATION.--Lat 34°10'40'', long 81°51'40'', Newberry County, Hydrologic Unit 03050109, on downstream side of bridge on State Highway 39 at Chappells, 6.7 mi downstream from dam at Lake Greenwood, 9.8 mi upstream from Little River, and at mile 52.3.

DRAINAGE AREA.--1,360 mi².

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected since 1905 are contained in reports of National Weather Service.

GAGE.--Data collection platform. Datum of gage is 362.89 ft above NGVD of 1929. Oct. 1, 1926 to Sept. 30, 1939, nonrecording or recording gage at site 300 ft downstream at datum 363.79 ft above NGVD of 1929. Oct. 1, 1939 to Oct. 7, 1964, recording gage at present site and at datum 363.89 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Lake Greenwood (see sta. 02166500).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 26, 1908 reached a stage of 36.7 ft (present site and datum), from reports of National Weather Service.

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	4330	1140	1540	1940	1330	3480	6800	2060	1620	4030	2490	877
2	3500	1140	1550	1670	1490	2760	4980	2110	5790	3700	2320	774
3	3740	1190	1510	1430	2410	1820	4520	1440	5880	3170	1450	732
4	3480	1310	1460	1500	3020	1290	4390	1430	4720	2490	1720	733
5	2310	2230	1460	1500	2160	1230	4330	1430	3700	1980	1730	731
6	1400	3820	1470	2090	1600	1210	3900	1430	2470	1660	1430	715
7	1330	2820	1470	2460	1470	1200	2770	1420	1590	3060	1340	669
8	1260	1920	1470	1520	1140	1890	2870	1410	2330	4120	1270	674
9	1200	2130	2100	1510	1130	2210	4200	1140	2250	8520	1470	687
10	1200	1400	3320	1560	1500	1740	3930	1160	2530	5360	1470	687
11	1190	1750	4480	1600	1540	1260	2770	1360	2630	4240	1720	681
12	1200	2040	4320	2080	1340	1120	1870	1310	2080	4170	1710	668
13	1200	2690	4260	2130	1220	1100	3180	1250	1500	3060	1440	660
14	1230	2060	4180	2610	1150	1090	4530	1630	1940	2740	1430	648
15	1230	1420	e3950	3220	1240	1270	4000	1390	3050	2700	1710	650
16	1240	1960	e4160	3040	1200	1950	2830	1360	2570	2520	1720	638
17	1140	1930	3850	2980	1160	3590	2280	1420	1450	2230	1640	639
18	966	1420	2770	2490	1110	3140	1570	1430	1440	1870	1330	632
19	884	1680	2090	2120	1110	2610	1560	1440	1950	1470	1450	632
20	872	1440	1490	2060	1110	1570	2190	2680	2160	1470	1440	636
21	872	1440	1480	1860	1710	1060	2170	4020	1590	1570	1370	653
22	915	1470	1480	1610	4110	1080	1550	3710	1520	1700	1450	639
23	957	2990	1480	1600	3970	2050	1780	3070	1400	1460	1600	623
24	1050	3090	1810	1600	4930	2790	2380	1960	1350	1440	1380	632
25	1170	2910	2770	1570	5040	2150	2460	1330	1330	2000	1340	627
26	1210	2600	2750	1550	4020	1480	1480	1080	1330	1980	1330	625
27	1250	1980	3070	1580	2660	2110	1470	1040	1370	1820	1320	623
28	1250	1590	3240	1700	3170	5160	1800	1040	1890	1270	2550	627
29	1230	2170	3290	2060	---	7000	1730	1040	3390	1260	4020	648
30	1160	2450	2370	1940	---	8450	1450	1320	4030	1490	2460	659
31	1150	---	1990	1830	---	5080	---	1560	---	1510	1000	---
TOTAL	47116	60180	78630	60410	59040	75940	87740	51470	72850	82060	52100	20119
MEAN	1520	2006	2536	1949	2109	2450	2925	1660	2428	2647	1681	671
MAX	4330	3820	4480	3220	5040	8450	6800	4020	5880	8520	4020	877
MIN	872	1140	1460	1430	1110	1060	1450	1040	1330	1260	1000	623
CFSM	1.12	1.48	1.87	1.43	1.55	1.80	2.15	1.22	1.79	1.95	1.24	0.49
IN.	1.29	1.65	2.15	1.65	1.61	2.08	2.40	1.41	1.99	2.24	1.43	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2005, BY WATER YEAR (WY)

MEAN	1438	1399	1865	2543	2606	2909	2522	1776	1468	1257	1374	1309
MAX	8243	3417	5486	8844	5564	9236	10480	3970	3576	3008	9626	6709
(WY)	1930	1958	1933	1936	1960	1929	1936	1929	1965	2003	1928	1929
MIN	243	265	536	679	609	475	646	218	58.2	52.8	291	324
(WY)	1955	1954	1956	1956	2001	1988	1986	1940	1940	1940	2002	1999

SANTEE RIVER BASIN

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1927 - 2005	
ANNUAL TOTAL	573365		747655		1869	
ANNUAL MEAN	1567		2048		3110	
HIGHEST ANNUAL MEAN					732	
LOWEST ANNUAL MEAN					56700	
HIGHEST DAILY MEAN	14200	Sep 10	8520	Jul 9	23	Oct 3 1929
LOWEST DAILY MEAN	428	Apr 11	623	Sep 23	8.0	Oct 29 1939
ANNUAL SEVEN-DAY MINIMUM	538	Aug 19	628	Sep 22	23	Jun 29 1940
MAXIMUM PEAK FLOW			10300	Mar 30	a 63700	Oct 2 1929
MAXIMUM PEAK STAGE			16.91	Mar 30	b 32.50	Oct 2 1929
ANNUAL RUNOFF (CFSM)	1.15		1.51		1.37	
ANNUAL RUNOFF (INCHES)	15.68		20.45		18.67	
10 PERCENT EXCEEDS	3060		3940		3770	
50 PERCENT EXCEEDS	1160		1590		1370	
90 PERCENT EXCEEDS	596		986		493	

a From rating curve extended logarithmically above 29,000 ft³/s.
 b Adjusted to present datum.

e Estimated

