

SANTEE RIVER BASIN

317

02169500 CONGAREE RIVER AT COLUMBIA, SC

LOCATION.--Lat 33°59'35'', long 81°03'00'', Lexington County, Hydrologic Unit 03050110, on right bank at Columbia, 1,000 ft downstream from Gervais Street Bridge, 1.4 mi downstream from confluence of Broad and Saluda Rivers, and at mile 174.8.

DRAINAGE AREA.--7,850 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 1,000 ft upstream October 1891 to December 1933 and at present site since January 1934 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder and data collection platform. Datum of gage is 113.02 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Lake Murray (see sta 02168500) on the Saluda River and to some extent, at low and medium flow, by powerplants on the Broad River. Water diverted above station for municipal supply during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since October 1891, about 364,000 ft<sup>3</sup>/s, Aug. 27, 1908, from rating curve extended logarithmically above 150,000 ft<sup>3</sup>/s; gage height, 39.8 ft, present datum, based on floodmarks from records of the U.S. Weather Bureau at site 1,000 ft upstream and at datum 4.0 ft higher.

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	5390	4250	4090	7130	5300	9740	5240	4090	2080	5120	4030	2210
2	4250	3180	5410	5340	4870	9150	6060	5440	2050	3960	4000	4000
3	3310	3840	5590	4490	4710	9730	5880	7480	3950	5770	3320	3060
4	3060	3930	4540	4410	6730	6730	5870	6500	3380	5960	3520	4140
5	3130	4610	4660	4850	7980	6420	4610	6030	2350	6340	3220	3560
6	3560	4330	3740	5060	8450	6200	4370	3600	2390	5550	2020	3170
7	5190	3450	6590	4990	14100	5590	4400	4440	2390	4390	3170	7350
8	4120	3930	5390	5040	28600	6060	5120	6670	2190	4190	3140	30100
9	3900	5730	5320	6040	23600	6620	4910	3640	2170	4040	2280	71000
10	4150	5520	5140	5920	17300	6710	3910	3930	3670	2920	2890	92100
11	4330	4520	6110	6380	9750	6120	4550	4100	2640	3020	1870	81800
12	5500	3010	7870	6500	12800	5370	3370	4140	e3140	3950	2980	30400
13	4920	3950	8280	5900	14600	5410	4290	3900	e3000	3380	4070	14000
14	5570	4400	9180	6330	13200	5580	8120	3920	e4100	2360	7270	12200
15	5790	3960	9460	3960	13300	5100	11000	3390	5430	3590	6580	12400
16	4300	3100	11400	3900	22800	4940	9830	4110	5720	3560	4210	14900
17	4890	4230	8330	4380	14000	4680	6510	3830	11300	3210	3470	10300
18	3690	3270	8220	4840	10800	5680	6470	1960	10200	2580	2640	11100
19	2490	3360	7920	5420	7270	5310	5120	2540	6390	3440	2060	14200
20	3770	4660	8460	5250	7810	4270	5140	3760	4290	3300	3960	13600
21	4830	12300	8320	4800	5960	5730	6010	4260	4480	3010	2600	9570
22	3870	8060	7230	5240	6180	5960	5660	3310	5490	3670	2480	9060
23	3930	6130	5590	4530	7000	4890	4990	3780	7030	2580	3120	6400
24	4610	5710	7310	4370	5420	6010	5530	4980	7520	2620	3400	6220
25	3210	5540	6910	4990	5620	3820	4240	3480	7080	2210	3040	5910
26	3270	4720	6290	6000	9670	4240	4210	2400	7200	2200	2410	4930
27	3720	5080	6800	5040	10900	4480	4360	2440	13700	3460	3270	7080
28	5490	5060	7150	6510	9480	4550	3700	2450	10400	2120	2410	15700
29	4300	4430	5830	6830	7430	4410	4760	2800	6960	5260	2140	27700
30	4770	4140	5890	6810	---	5610	4260	2490	5910	4160	3420	28600
31	5010	---	6270	6410	---	5080	---	2050	---	5200	2160	---
TOTAL	132320	142400	209290	167660	315630	180190	162490	121910	158600	117120	101450	556760
MEAN	4268	4747	6751	5408	10880	5813	5416	3933	5287	3778	3273	18560
MAX	5790	12300	11400	7130	28600	9740	11000	7480	13700	6340	7270	92100
MIN	2490	3010	3740	3900	4710	3820	3370	1960	2050	2120	1870	2210
CFSM	0.54	0.60	0.86	0.69	1.39	0.74	0.69	0.50	0.67	0.48	0.42	2.36
IN.	0.63	0.67	0.99	0.79	1.50	0.85	0.77	0.58	0.75	0.56	0.48	2.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	7074	7046	8661	11630	12980	14280	11470	7944	6988	6568	7020	6354
MAX	33460	18960	21660	28430	34910	31290	27670	20460	18730	16730	18650	19250
(WY)	1965	1993	1977	1993	1960	2003	1964	2003	1973	1941	1949	1945
MIN	1962	2461	1945	2967	3211	4074	3938	2283	1623	1945	1832	1642
(WY)	1955	1955	1956	1956	2001	1955	1967	2001	2002	2002	1999	1999

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02169500 CONGAREE RIVER AT COLUMBIA, SC--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	4774900		2365820		8983	
ANNUAL MEAN	13080		6464		15130	
HIGHEST ANNUAL MEAN					3245	
LOWEST ANNUAL MEAN					150000	
HIGHEST DAILY MEAN	113000	Mar 22	92100	Sep 10	150000	Oct 11 1976
LOWEST DAILY MEAN	2490	Oct 19	1870	Aug 11	662	Oct 18 1954
ANNUAL SEVEN-DAY MINIMUM	3700	Nov 12	2340	May 27	964	Oct 15 1954
MAXIMUM PEAK FLOW			98000		155000	
MAXIMUM PEAK STAGE			23.88		29.74	
ANNUAL RUNOFF (CFSM)	1.67		0.823		1.14	
ANNUAL RUNOFF (INCHES)	22.63		11.21		15.55	
10 PERCENT EXCEEDS	26900		9770		16100	
50 PERCENT EXCEEDS	8380		4920		6580	
90 PERCENT EXCEEDS	4190		2860		2900	

e Estimated

