

SANTÉE RIVER BASIN

02165200 SOUTH RABON CREEK NEAR GRAY COURT, SC

LOCATION.--Lat 34°31'12'', long 82°09'26'', Laurens County, Hydrologic Unit 03050109, at left bank, 125 ft upstream from U.S. Highway 76, 2.5 mi upstream from North Rabon Creek and 7.0 mi southwest of Gray Court.

DRAINAGE AREA.--29.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1967 to September 1981, May 1990 to current year.

GAGE.--Data collection platform. Datum of gage is 547.37 ft above NGVD of 1929. Prior to May 1990, at datum 1.00 ft higher.

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	12	15	33	39	110	42	35	28	38	67	33
2	6.3	11	15	37	31	70	39	34	26	292	58	24
3	6.0	9.9	15	34	27	54	37	36	40	148	44	21
4	5.7	9.5	15	30	28	44	36	37	51	73	36	25
5	5.4	11	32	27	28	41	38	35	37	51	40	27
6	5.4	31	57	25	27	312	41	53	39	42	34	21
7	5.3	36	40	24	50	192	114	106	185	38	32	19
8	5.6	23	29	23	50	92	120	74	131	36	30	18
9	5.5	18	24	23	37	63	115	50	74	33	27	17
10	5.4	16	22	22	36	51	157	40	49	32	25	16
11	7.9	20	40	22	36	44	195	37	40	33	24	16
12	9.1	145	51	21	31	40	113	35	73	34	24	15
13	7.9	159	91	20	28	38	76	33	97	45	25	15
14	7.2	62	129	20	27	36	60	30	63	45	24	15
15	9.8	37	67	20	26	37	53	30	46	35	23	15
16	41	74	43	20	40	39	48	30	48	31	25	14
17	38	157	34	20	57	41	46	30	52	29	23	13
18	21	80	29	19	46	92	161	32	43	27	22	13
19	15	46	27	19	37	134	158	32	40	26	22	12
20	12	34	32	19	33	569	89	31	100	25	22	12
21	12	28	35	19	31	313	68	46	59	25	21	12
22	11	25	29	20	74	256	61	279	40	26	20	13
23	9.8	22	26	20	142	117	52	292	34	28	20	17
24	9.0	20	161	19	68	69	46	151	30	30	19	20
25	8.6	19	232	18	46	55	46	75	28	28	19	17
26	9.3	18	102	19	39	49	48	53	26	25	18	15
27	9.5	17	58	19	173	45	44	44	25	29	17	14
28	9.4	16	43	18	246	42	40	38	26	32	17	14
29	13	16	37	19	---	41	38	35	26	27	16	13
30	14	16	33	41	---	49	36	33	25	27	15	12
31	13	---	30	55	---	48	---	31	---	38	19	---
TOTAL	344.8	1188.4	1593	745	1533	3183	2217	1897	1581	1428	828	508
MEAN	11.1	39.6	51.4	24.0	54.8	103	73.9	61.2	52.7	46.1	26.7	16.9
MAX	41	159	232	55	246	569	195	292	185	292	67	33
MIN	5.3	9.5	15	18	26	36	36	30	25	25	15	12
CFSM	0.38	1.34	1.74	0.81	1.86	3.48	2.51	2.07	1.79	1.56	0.91	0.57
IN.	0.43	1.50	2.01	0.94	1.93	4.01	2.80	2.39	1.99	1.80	1.04	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2003, BY WATER YEAR (WY)

	24.0	30.0	37.2	55.5	52.3	65.8	49.4	37.5	28.9	22.5	21.9	20.3
MEAN	24.0	30.0	37.2	55.5	52.3	65.8	49.4	37.5	28.9	22.5	21.9	20.3
MAX	62.9	79.0	99.2	99.5	103	137	146	77.8	70.2	66.8	100	121
(WY)	1977	1993	1973	1972	1998	1975	1998	1975	1972	1997	1995	1973
MIN	5.77	10.3	11.7	16.6	15.4	28.4	21.3	11.4	5.14	4.70	3.80	5.55
(WY)	2001	2002	2002	2001	2001	1999	2001	2001	2002	2000	2002	1999

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1967 - 2003	
ANNUAL TOTAL	7885.12		17046.2		37.2	
ANNUAL MEAN	21.6		46.7		62.2	
HIGHEST ANNUAL MEAN					15.5	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	253	Jan 25	569	Mar 20	b 2520	Sep 14 1973
LOWEST DAILY MEAN	e 0.40	a Aug 13	5.3	Oct 7	e 0.40	a Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	0.50	Aug 9	5.5	Oct 4	0.50	Aug 9 2002
MAXIMUM PEAK FLOW			786	Mar 20	b 4100	Sep 14 1973
MAXIMUM PEAK STAGE			4.22	Mar 20	b 9.86	Sep 14 1973
ANNUAL RUNOFF (CFSM)	0.73		1.58		1.26	
ANNUAL RUNOFF (INCHES)	9.94		21.50		17.15	
10 PERCENT EXCEEDS	42		94		60	
50 PERCENT EXCEEDS	14		32		26	
90 PERCENT EXCEEDS	3.1		13		11	

a Also occurred Aug. 14, 15, 2002.

b At datum then in use.

e Estimated

