

SANTEE RIVER BASIN

02167582 BUSH RIVER NEAR PROSPERITY, SC

LOCATION.--Lat 34°10'07'', long 81°36'38'', Newberry County, Hydrologic Unit 03050109, at downstream side near center of bridge on County Road 244, 5.2 mi southwest of Prosperity, and 7.2 mi south of the center of Newberry, SC.

DRAINAGE AREA.--115 mi².

PERIOD OF RECORD.--February 1990 to current year.

GAGE.--Data collection platform. Elevation of gage is 360 ft above sea level (from topographic map).

REMARKS.-- Records good except for estimated daily discharges, which are poor.

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	26	11	22	24	365	44	36	e27	12	22	17	19
2	21	25	21	24	282	40	34	e25	12	18	31	114
3	18	31	20	25	162	36	36	e32	12	16	39	49
4	43	22	20	27	125	97	38	e26	10	14	85	101
5	67	22	18	37	103	91	39	e27	11	10	44	99
6	34	21	18	29	87	86	34	e25	16	9.6	24	50
7	21	18	20	29	74	59	32	e23	11	10	18	87
8	18	22	19	28	66	47	31	e23	11	13	16	43
9	14	18	18	28	60	41	35	23	11	14	13	27
10	15	17	19	437	56	39	29	22	9.9	16	12	18
11	17	18	22	206	53	55	30	22	9.5	13	12	14
12	27	47	21	134	51	70	28	22	8.9	11	11	15
13	37	19	20	70	53	46	39	21	9.2	15	8.6	13
14	30	27	39	51	561	40	39	18	9.7	26	7.5	12
15	21	24	39	43	429	37	164	17	19	18	9.4	11
16	17	20	37	38	226	39	111	17	12	12	8.2	10
17	13	16	29	35	112	47	80	17	9.6	11	7.6	8.3
18	12	14	24	35	85	38	58	19	8.7	11	7.0	10
19	13	15	27	35	74	35	47	17	8.6	9.3	6.3	55
20	13	15	33	46	64	588	41	17	77	8.3	5.5	19
21	25	14	39	41	56	325	37	15	38	7.6	4.8	13
22	20	18	55	36	52	221	31	15	22	7.2	5.6	54
23	17	17	45	161	49	101	29	16	43	6.3	6.0	886
24	15	17	38	779	47	70	29	16	26	8.2	6.0	664
25	14	17	29	705	44	57	43	16	16	47	6.3	496
26	14	50	24	418	41	49	67	18	11	21	6.6	121
27	14	47	22	210	45	45	e114	17	11	29	18	82
28	13	43	22	123	59	46	e56	15	11	28	8.0	73
29	14	30	22	103	45	43	e37	13	11	27	8.2	47
30	12	25	22	392	---	40	e31	12	15	14	7.8	34
31	12	---	24	511	---	41	---	13	---	11	25	---
TOTAL	647	700	828	4860	3526	2613	1455	606	492.1	483.5	484.4	3244.3
MEAN	20.9	23.3	26.7	157	122	84.3	48.5	19.5	16.4	15.6	15.6	108
MAX	67	50	55	779	561	588	164	32	77	47	85	886
MIN	12	11	18	24	41	35	28	12	8.6	6.3	4.8	8.3
CFSM	.18	.20	.23	1.36	1.06	.73	.42	.17	.14	.14	.14	.94
IN.	.21	.23	.27	1.57	1.14	.85	.47	.20	.16	.16	.16	1.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
MEAN	97.0	95.4	104	219	239	219	110	67.2	74.8	39.2	57.0	51.8
MAX	294	338	300	407	405	480	284	131	284	76.5	190	114
(WY)	1991	1993	1995	1995	1998	1993	1998	1991	1994	1997	1994	1998
MIN	20.9	23.3	26.7	50.8	121	75.6	48.5	19.5	16.4	15.6	15.6	22.0
(WY)	2000	2000	2000	1992	1992	1999	2000	2000	2000	2000	2000	1999

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	20002.8		19939.3		116	
ANNUAL MEAN	54.8		54.5		178	
HIGHEST ANNUAL MEAN					54.5	
LOWEST ANNUAL MEAN					1993	
HIGHEST DAILY MEAN	890	Feb 2	886	Sep 23	4330	Jan 15 1995
LOWEST DAILY MEAN	7.2	Aug 15	4.8	Aug 21	4.8	Aug 21 2000
ANNUAL SEVEN-DAY MINIMUM	8.8	Aug 10	5.8	Aug 19	5.8	Aug 19 2000
INSTANTANEOUS PEAK FLOW			1620	Jan 24	5570	Jan 15 1995
INSTANTANEOUS PEAK STAGE			9.78	Jan 24	16.06	Jan 15 1995
ANNUAL RUNOFF (CFSM)	.48		.47		1.01	
ANNUAL RUNOFF (INCHES)	6.47		6.45		13.74	
10 PERCENT EXCEEDS	89		93		209	
50 PERCENT EXCEEDS	32		25		49	
90 PERCENT EXCEEDS	12		10		19	

e Estimated

