

## SANTEE RIVER BASIN

02167582 BUSH RIVER NEAR PROSPERITY, SC

LOCATION.--Lat 34°10'07'', long 81°36'38'', Newberry County, Hydrologic Unit Code 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 mi<sup>2</sup>.

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

GAGE.--Data collection platform. Elevation of gage is 360 ft above NGVD of 1929 (from topographic map).

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

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	104	27	80	43	87	381	562	67	104	50	189	22
2	61	26	74	45	78	257	366	53	2720	38	67	20
3	42	26	65	44	178	149	196	47	1270	574	40	18
4	35	30	60	45	195	120	139	45	566	1030	33	17
5	31	59	57	42	148	104	116	40	196	156	28	16
6	31	51	60	43	98	93	102	38	120	89	25	16
7	32	47	70	43	82	88	124	35	92	61	24	16
8	28	40	65	42	76	135	168	42	115	49	24	16
9	25	33	63	41	71	126	182	33	94	44	84	15
10	24	30	92	43	83	122	129	32	92	38	85	15
11	22	29	142	40	73	93	101	35	80	37	39	15
12	20	52	93	39	64	83	94	33	62	36	29	14
13	24	70	76	40	60	78	690	31	57	185	26	14
14	23	44	63	195	66	77	503	33	52	105	24	14
15	27	37	57	182	101	77	255	29	44	67	22	14
16	23	34	52	140	90	157	133	28	39	44	21	14
17	21	32	52	83	84	401	103	26	35	35	48	14
18	20	31	50	65	69	300	89	25	32	44	126	14
19	20	31	48	56	60	172	80	25	30	32	226	13
20	22	31	46	55	58	117	74	131	30	38	341	14
21	20	30	45	54	371	97	66	128	30	35	126	14
22	21	34	46	51	962	89	69	109	32	28	77	13
23	19	533	52	48	601	167	129	60	30	32	46	14
24	32	170	56	44	595	135	95	39	29	27	42	13
25	36	198	50	45	401	114	82	31	28	23	35	13
26	29	124	48	46	239	92	66	28	27	22	32	13
27	27	100	47	45	151	119	64	26	33	21	27	14
28	26	101	45	43	508	1030	58	24	155	20	24	14
29	28	86	45	44	---	628	52	23	131	37	22	14
30	29	77	45	97	---	343	56	94	70	167	24	14
31	29	---	46	112	---	458	---	84	---	283	30	---
TOTAL	931	2213	1890	1955	5649	6402	4943	1474	6395	3447	1986	447
MEAN	30.0	73.8	61.0	63.1	202	207	165	47.5	213	111	64.1	14.9
MAX	104	533	142	195	962	1030	690	131	2720	1030	341	22
MIN	19	26	45	39	58	77	52	23	27	20	21	13
CFSM	0.26	0.64	0.53	0.55	1.75	1.80	1.43	0.41	1.85	0.97	0.56	0.13
IN.	0.30	0.72	0.61	0.63	1.83	2.07	1.60	0.48	2.07	1.12	0.64	0.14

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)

	73.1	81.6	92.1	164	210	225	121	64.9	76.4	45.1	55.2	48.0
MEAN	73.1	81.6	92.1	164	210	225	121	64.9	76.4	45.1	55.2	48.0
MAX	294	338	300	407	405	562	391	148	284	111	190	114
(WY)	1991	1993	1995	1995	1998	2003	2003	2003	1994	2005	1994	1998
MIN	8.38	14.3	18.5	36.5	44.0	75.6	48.5	19.5	8.59	8.21	7.80	11.1
(WY)	2002	2002	2002	2001	2001	1999	2000	2000	2002	2002	2001	2001

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1990 - 2005	
ANNUAL TOTAL	23930.2		37732		106	
ANNUAL MEAN	65.4		103		178	
HIGHEST ANNUAL MEAN					43.6	
LOWEST ANNUAL MEAN					1993	
HIGHEST DAILY MEAN	1120	Sep 8	2720	Jun 2	4330	Jan 15 1995
LOWEST DAILY MEAN	6.5	Sep 6	13	a Sep 19	3.2	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	8.2	Aug 31	13	Sep 19	3.9	Aug 7 2002
MAXIMUM PEAK FLOW			3830		5570	
MAXIMUM PEAK STAGE			14.68		16.06	
ANNUAL RUNOFF (CFSM)	0.569		0.899		0.921	
ANNUAL RUNOFF (INCHES)	7.74		12.21		12.51	
10 PERCENT EXCEEDS	113		183		199	
50 PERCENT EXCEEDS	35		48		45	
90 PERCENT EXCEEDS	14		21		16	

a Also occurred Sep. 22, 24-26.

