

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 NGVD of 1929 (from topographic map).

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

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	23	40	26	85	198	310	e147	e58	47	51	158	24
2	21	34	25	80	115	292	e105	e54	41	571	66	26
3	19	28	25	74	88	168	e90	e49	40	474	69	34
4	17	25	24	64	84	126	e83	e45	48	367	57	22
5	16	40	89	56	81	114	e80	e43	52	100	72	24
6	14	138	136	51	76	2480	e78	e93	53	69	457	22
7	13	87	99	48	213	2180	e314	146	378	55	697	21
8	13	78	70	47	159	1020	390	132	484	48	192	21
9	13	46	50	47	124	323	1070	e100	204	44	107	22
10	19	35	42	45	330	205	1740	e64	e95	53	84	21
11	300	154	116	42	184	153	1240	e49	e78	140	63	20
12	75	599	85	39	119	127	611	e44	e51	66	49	18
13	36	479	573	38	91	121	239	e46	e60	59	45	18
14	27	174	531	38	79	111	144	e43	e86	155	57	16
15	38	102	253	37	74	202	111	e44	e61	94	107	15
16	146	177	137	37	191	264	97	e44	e55	71	617	16
17	89	423	88	42	357	216	88	e42	e105	52	493	19
18	67	217	68	37	252	726	989	e43	153	47	107	e16
19	40	133	58	35	147	357	1560	e45	331	46	66	e16
20	30	90	105	34	110	3240	1020	e52	127	46	48	e16
21	32	e74	88	36	93	2510	280	49	101	40	41	e15
22	28	e59	84	68	527	862	359	468	73	40	35	e13
23	24	e50	65	49	785	285	169	1140	56	78	31	30
24	22	e38	827	44	428	187	127	820	46	99	29	27
25	22	36	1110	41	183	e140	146	321	43	66	28	23
26	29	33	585	42	118	e116	136	143	38	52	26	19
27	22	32	295	40	263	e101	e113	111	34	50	25	18
28	20	29	137	37	327	e95	e82	95	41	50	24	18
29	164	27	102	38	---	e88	e72	76	40	43	23	16
30	105	27	85	358	---	e145	e63	64	37	68	22	15
31	51	---	76	387	---	e156	---	55	---	71	21	---
TOTAL	1535	3504	6054	2116	5796	17420	11743	4578	3058	3265	3916	601
MEAN	49.5	117	195	68.3	207	562	391	148	102	105	126	20.0
MAX	300	599	1110	387	785	3240	1740	1140	484	571	697	34
MIN	13	25	24	34	74	88	63	42	34	40	21	13
CFSM	0.43	1.02	1.70	0.59	1.80	4.89	3.40	1.28	0.89	0.92	1.10	0.17
IN.	0.50	1.13	1.96	0.68	1.87	5.63	3.80	1.48	0.99	1.06	1.27	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2003, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	80.3	86.1	98.2	182	210	237	123	68.4	69.4	40.7	57.0	46.0		
MAX	294	338	300	407	405	562	391	148	284	105	190	114		
(WY)	1991	1993	1995	1995	1998	2003	2003	2003	1994	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1990 - 2003	
ANNUAL TOTAL	25739.6		63586		110	
ANNUAL MEAN	70.5		174		178	
HIGHEST ANNUAL MEAN					43.6	
LOWEST ANNUAL MEAN					178	
HIGHEST DAILY MEAN	1110	Dec 25	3240	Mar 20	4330	Jan 15 1995
LOWEST DAILY MEAN	3.2	Aug 12	13	a Oct 7	3.2	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	3.9	Aug 7	15	Oct 3	3.9	Aug 7 2002
MAXIMUM PEAK FLOW			4620		5570	
MAXIMUM PEAK STAGE			15.41		16.06	
ANNUAL RUNOFF (CFSM)	0.61		1.51		0.95	
ANNUAL RUNOFF (INCHES)	8.33		20.57		12.96	
10 PERCENT EXCEEDS	153		388		208	
50 PERCENT EXCEEDS	30		69		46	
90 PERCENT EXCEEDS	6.0		22		16	

a Also occurred Oct. 8, 9 and Sep. 22.

e Estimated

