

SANTÉE 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 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	23	25	28	60	379	124	34	14	60	24	8.8
2	14	22	25	28	53	336	96	55	14	37	29	8.9
3	15	22	25	29	144	191	63	207	14	61	23	8.8
4	14	24	26	29	109	134	49	75	14	179	18	8.5
5	14	32	43	29	85	111	43	57	14	264	23	7.3
6	14	29	35	35	93	96	40	44	13	75	27	6.5
7	30	46	32	33	373	84	37	36	13	51	16	90
8	27	32	30	32	351	70	37	32	17	39	11	1120
9	23	28	29	35	287	62	40	28	47	33	9.6	282
10	24	25	29	37	111	58	45	26	23	29	9.2	196
11	30	26	48	33	86	53	43	26	19	33	9.0	74
12	26	25	42	31	339	51	57	27	19	e44	35	42
13	24	24	45	32	331	47	84	31	19	e19	47	32
14	23	23	184	31	357	44	110	27	17	16	64	27
15	27	23	121	31	572	44	101	24	19	13	61	23
16	24	22	81	30	699	60	69	26	22	13	35	22
17	22	22	59	30	351	54	54	27	18	11	22	39
18	21	24	52	36	192	53	45	22	17	18	18	39
19	20	53	42	38	135	49	40	22	17	11	15	25
20	19	60	37	35	111	45	38	21	15	10	14	21
21	19	55	33	34	96	55	36	20	73	9.9	13	19
22	19	44	31	33	83	46	35	23	63	9.9	11	18
23	19	33	31	31	75	43	33	21	49	10	11	17
24	18	30	31	32	72	42	31	18	111	8.4	13	16
25	18	28	30	31	69	39	27	17	52	7.6	25	15
26	19	27	29	55	106	38	27	17	38	20	12	13
27	18	26	29	82	224	38	33	16	57	33	11	36
28	21	28	28	109	316	36	28	16	148	53	9.6	337
29	48	27	28	89	374	35	26	15	96	27	8.6	336
30	32	25	30	71	---	39	27	15	63	23	8.2	381
31	26	---	31	60	---	118	---	14	---	24	8.4	---
TOTAL	683	908	1341	1269	6254	2550	1518	1039	1115	1241.8	640.6	3268.8
MEAN	22.0	30.3	43.3	40.9	216	82.3	50.6	33.5	37.2	40.1	20.7	109
MAX	48	60	184	109	699	379	124	207	148	264	64	1120
MIN	14	22	25	28	53	35	26	14	13	7.6	8.2	6.5
CFSM	0.19	0.26	0.38	0.36	1.88	0.72	0.44	0.29	0.32	0.35	0.18	0.95
IN.	0.22	0.29	0.43	0.41	2.02	0.82	0.49	0.34	0.36	0.40	0.21	1.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	76.1	82.1	94.3	172	210	226	119	66.1	67.3	40.7	54.6	50.2			
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	55425		21828.2		106	
ANNUAL MEAN	152		59.6		178	
HIGHEST ANNUAL MEAN					43.6	
LOWEST ANNUAL MEAN					1993	
HIGHEST DAILY MEAN	3240	Mar 20	1120	Sep 8	4330	Jan 15 1995
LOWEST DAILY MEAN	13	Sep 22	6.5	Sep 6	3.2	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	14	Sep 30	8.2	Aug 31	3.9	Aug 7 2002
MAXIMUM PEAK FLOW			2190		5570	
MAXIMUM PEAK STAGE			11.74		16.06	
INSTANTANEOUS LOW FLOW			5.8		Jan 15 1995	
ANNUAL RUNOFF (CFSM)	1.32		0.519		0.923	
ANNUAL RUNOFF (INCHES)	17.93		7.06		12.54	
10 PERCENT EXCEEDS	330		111		202	
50 PERCENT EXCEEDS	50		31		44	
90 PERCENT EXCEEDS	21		14		15	

e Estimated

