

SANTÉE RIVER BASIN

02167563 BUSH RIVER AT NEWBERRY, SC

LOCATION.--Lat 34°14'31"', long 81°38'49"', Newberry County, Hydrologic Unit 03050109, upstream side of bridge on State Highway 34, about 1.75 mi west of Newberry.

DRAINAGE AREA.--62.2 mi².

PERIOD OF RECORD.--March 1999 to current year.

GAGE.--Data collection platform. Elevation of gage is 375 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	15	27	10	46	138	233	98	35	26	32	72	17
2	13	21	9.3	44	76	163	69	32	23	379	35	15
3	11	16	8.9	40	55	106	59	29	22	379	38	12
4	10	13	8.8	36	54	80	54	27	31	253	34	11
5	8.7	21	73	32	52	73	52	27	33	75	44	12
6	7.3	84	93	30	52	e1340	54	59	34	50	108	14
7	6.7	62	74	27	141	1130	214	93	249	40	128	13
8	6.2	54	45	26	116	631	247	89	349	35	82	14
9	5.7	32	31	26	85	176	537	59	145	31	70	14
10	7.9	23	24	24	165	120	973	40	68	32	52	13
11	116	148	55	22	103	93	755	31	46	80	41	12
12	34	402	44	21	75	78	429	28	38	42	34	11
13	19	334	286	20	55	71	155	27	45	52	34	9.9
14	14	116	364	20	49	65	100	24	62	109	29	9.3
15	21	60	189	20	44	104	78	25	48	73	29	9.0
16	89	109	81	20	100	145	67	25	39	50	29	12
17	60	262	52	22	204	132	60	24	82	37	40	11
18	48	147	41	20	163	418	685	25	68	34	30	9.1
19	28	84	36	19	91	227	1110	28	242	31	26	8.7
20	19	53	57	19	69	e1880	628	28	90	34	23	8.6
21	19	40	50	20	56	e1500	171	27	75	28	21	8.5
22	15	32	57	28	308	524	168	284	49	25	19	8.5
23	12	25	42	26	606	151	98	765	36	34	18	18
24	11	21	408	24	325	103	72	685	29	45	16	22
25	10	18	768	22	116	82	74	189	25	32	14	15
26	14	16	471	24	75	71	72	98	23	26	13	12
27	11	14	177	22	178	64	61	81	20	25	13	12
28	11	13	82	21	211	61	53	66	20	23	12	11
29	76	12	60	21	---	57	44	50	23	21	11	9.6
30	62	11	48	206	---	101	38	37	23	19	10	8.5
31	31	---	42	241	---	112	---	31	---	24	10	---
TOTAL	811.5	2270	3787.0	1189	3762	10091	7275	3068	2063	2150	1135	360.7
MEAN	26.2	75.7	122	38.4	134	326	242	99.0	68.8	69.4	36.6	12.0
MAX	116	402	768	241	606	1880	1110	765	349	379	128	22
MIN	5.7	11	8.8	19	44	57	38	24	20	19	10	8.5
CFSM	0.42	1.22	1.96	0.62	2.16	5.23	3.90	1.59	1.11	1.12	0.59	0.19
IN.	0.49	1.36	2.26	0.71	2.25	6.04	4.35	1.83	1.23	1.29	0.68	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003
MEAN	13.3	31.5	42.8	51.1	75.9
MAX	26.2	75.7	122	91.2	134
(WY)	2003	2003	2003	2000	2003
MIN	4.09	9.53	13.1	23.8	29.1
(WY)	2002	2002	2002	2001	2001

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	16277.87		37962.2		49.2	
ANNUAL MEAN	44.6		104		104	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					28.0	
HIGHEST DAILY MEAN	768	Dec 25	e 1880	Mar 20	e 1880	Mar 20 2003
LOWEST DAILY MEAN	0.00	a Aug 12	5.7	Oct 9	0.00	a Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	0.01	Aug 8	7.5	Oct 4	0.01	Aug 8 2002
MAXIMUM PEAK FLOW			Unknown		Unknown	
MAXIMUM PEAK STAGE			16.90		16.90	
ANNUAL RUNOFF (CFSM)	0.72		1.67		0.79	
ANNUAL RUNOFF (INCHES)	9.74		22.70		10.76	
10 PERCENT EXCEEDS	105		236		92	
50 PERCENT EXCEEDS	19		40		19	
90 PERCENT EXCEEDS	2.4		12		3.8	

a Also occurred Aug. 13, 14, 2002.

e Estimated

