

## SANTEE 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 mi<sup>2</sup>.

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 fair 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	7.9	15	18	19	38	239	90	22	5.3	28	20	3.1
2	7.8	14	17	20	28	213	60	54	4.8	20	14	3.3
3	8.4	14	16	19	71	116	43	74	3.9	38	14	3.9
4	8.0	14	18	19	55	83	35	41	4.9	171	10	3.5
5	8.1	22	28	19	46	67	31	33	4.6	158	21	3.1
6	8.3	22	26	23	61	58	27	26	3.7	48	14	2.8
7	16	29	26	22	236	52	25	21	4.3	35	10	35
8	19	26	24	22	267	45	25	18	5.3	28	6.7	394
9	15	21	21	24	147	41	24	16	15	22	5.2	161
10	16	19	22	25	67	39	23	15	13	16	4.2	113
11	21	18	35	22	50	37	23	14	13	12	3.9	37
12	19	17	39	21	176	35	29	14	12	10	12	22
13	17	17	37	20	176	33	49	17	11	8.5	29	17
14	15	16	104	19	176	31	76	15	10	7.0	37	13
15	19	15	82	18	274	32	62	15	12	6.5	27	12
16	17	15	56	17	364	41	38	18	11	5.6	17	12
17	15	15	e45	17	202	39	31	15	11	5.3	12	23
18	13	18	e40	22	109	39	26	13	12	5.7	9.4	20
19	12	31	e32	24	79	36	23	12	10	4.4	8.5	15
20	12	47	29	22	64	31	21	12	7.7	4.2	7.6	12
21	11	49	26	21	56	36	20	11	26	3.9	6.7	9.7
22	10	36	24	19	49	33	19	10	19	4.8	6.1	8.6
23	9.9	28	23	18	43	32	19	10	33	4.8	6.1	8.1
24	11	24	23	19	43	31	17	9.3	64	4.4	6.1	7.5
25	13	21	22	18	41	28	16	9.7	31	4.2	6.1	6.5
26	13	19	20	33	52	27	16	8.4	22	3.2	5.1	5.5
27	15	19	19	44	96	26	18	7.9	20	18	4.3	19
28	16	20	20	55	156	25	17	7.3	69	20	3.7	216
29	29	20	20	42	207	24	16	6.6	57	14	3.3	257
30	23	19	22	36	---	26	15	6.0	33	19	3.3	236
31	18	---	19	31	---	83	---	5.5	---	15	3.0	---
TOTAL	443.4	660	953	750	3429	1678	934	556.7	548.5	744.5	336.3	1679.6
MEAN	14.3	22.0	30.7	24.2	118	54.1	31.1	18.0	18.3	24.0	10.8	56.0
MAX	29	49	104	55	364	239	90	74	69	171	37	394
MIN	7.8	14	16	17	28	24	15	5.5	3.7	3.2	3.0	2.8
CFSM	0.23	0.35	0.49	0.39	1.90	0.87	0.50	0.29	0.29	0.39	0.17	0.90
IN.	0.27	0.39	0.57	0.45	2.05	1.00	0.56	0.33	0.33	0.45	0.20	1.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004
MEAN	13.5	29.6	40.4	45.7	84.5	133
MAX	26.2	75.7	122	91.2	134	326
(WY)	2003	2003	2003	2000	2003	2003
MIN	4.09	9.53	13.1	23.8	29.1	54.1
(WY)	2002	2002	2002	2001	2001	2004

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	33150.1		12713.0		46.3	
ANNUAL MEAN	90.8		34.7		104 2003	
HIGHEST ANNUAL MEAN					28.0 2002	
LOWEST ANNUAL MEAN					e 1880 Mar 20 2003	
HIGHEST DAILY MEAN	e 1880	Mar 20	394	Sep 8	e 1880	Mar 20 2003
LOWEST DAILY MEAN	7.8	Oct 2	2.8	Sep 6	0.00	a Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	8.1	Sep 30	3.2	Aug 31	0.01	Aug 8 2002
MAXIMUM PEAK FLOW			574	Sep 8	Unknown	Mar 20 2003
MAXIMUM PEAK STAGE			8.82	Sep 8	16.90	Mar 20 2003
ANNUAL RUNOFF (CFSM)	1.46		0.558		0.745	
ANNUAL RUNOFF (INCHES)	19.83		7.60		10.12	
10 PERCENT EXCEEDS	177		65		88	
50 PERCENT EXCEEDS	31		20		19	
90 PERCENT EXCEEDS	13		5.9		4.2	

a Also occurred Aug. 13, 14, 2002.

e Estimated

