

BROAD RIVER BASIN

02176720 MAY RIVER NEAR BLUFFTON, SC

WATER-QUALITY RECORDS

LOCATION.--Lat 32°13'54'', long 80°52'10'', Beaufort County, Hydrologic Unit 03050208, wooden shelter is attached to the railing of a dock 0.4 mi south of Bluffton.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 2002 to current year.

GAGE.--Data collection platform and acoustic velocity meter. Elevation of gage is 15 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records poor. This site is strongly affected by astronomical tides. The astronomical tides occur at primary harmonic periods of 12.42 hours for semi-diurnal tides and 24.84 hours for diurnal tides. Computed 24-hour daily mean discharge for this site may be affected by aliasing due to tides and, thus, may contain spurious fluctuations or oscillations that are not indicative of net downstream discharge.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,600 ft<sup>3</sup>/s, Oct. 6, 2002, maximum gage height, 19.73 ft, Dec. 4, 2002; minimum discharge, -34,000 ft<sup>3</sup>/s, Apr. 17, 2003, minimum gage height, 6.29 ft, Jan. 19, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 39,600 ft<sup>3</sup>/s, Oct. 6, maximum gage height, 19.73 ft, Dec. 4; minimum discharge, -34,000 ft<sup>3</sup>/s, Apr. 17, minimum gage height, 6.29 ft, Jan. 19.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	21100	-18700	15900	-11700	14400	-10900
2	---	---	---	---	---	---	20300	-15300	14800	-11700	18600	-16300
3	---	---	---	---	---	---	18100	-14200	10400	-14900	21300	-18300
4	---	---	---	---	---	---	18900	-18200	19800	-14500	23300	-18500
5	---	---	---	---	---	---	20600	-18700	11800	-12400	28800	-27700
6	---	---	---	---	22500	-20000	---	---	11300	-16800	31000	-32100
7	---	---	---	---	26100	-23000	---	---	12800	-20700	33500	-33900
8	---	---	---	---	28700	-25100	---	---	19900	-26400	36900	-31300
9	---	---	---	---	28500	-25300	---	---	21500	-29900	32700	-29700
10	---	---	---	---	26400	-26400	24800	-22500	24100	-23500	30400	-25000
11	---	---	---	---	28200	-27100	25700	-21600	21600	-26100	29900	-21700
12	---	---	---	---	26600	-25100	27000	-24100	19700	-18500	24300	-21700
13	---	---	---	---	27900	-26600	22100	-23200	18500	-19400	22200	-17300
14	---	---	---	---	30600	-26000	21400	-21300	18000	-13800	18400	-15500
15	---	---	---	---	34900	-27600	26200	-17400	15100	-13100	18300	-14200
16	---	---	---	---	28500	-24900	19900	-15700	13900	-11900	21500	-13300
17	---	---	---	---	26200	-25000	18600	-17200	14400	-10700	18400	-16100
18	---	---	---	---	28000	-23600	16500	-17400	15000	-16000	18700	-19200
19	---	---	---	---	28100	-23200	17100	-17800	17100	-14700	29800	-20300
20	---	---	---	---	30300	-24000	---	---	15600	-13700	28200	-24300
21	---	---	---	---	32000	-27500	---	---	17900	-15700	29800	-25800
22	---	---	---	---	---	---	---	---	13900	-13300	29000	-23200
23	---	---	---	---	---	---	---	---	18800	-14800	24800	-21200
24	---	---	---	---	---	---	---	---	25200	-15000	20700	-17800
25	---	---	---	---	---	---	15800	-21700	29000	-21000	23000	-18000
26	---	---	---	---	---	---	17700	-19900	39000	-21500	17100	-18100
27	---	---	---	---	---	---	16200	-18100	18200	-15700	26500	-13300
28	---	---	---	---	---	---	14300	-16200	20800	-11000	15100	-15700
29	---	---	---	---	25100	-16800	13300	-18000	18700	-11300	17300	-15600
30	---	---	---	---	21000	-14800	17600	-12700	19400	-14100	18700	-12800
31	---	---	---	---	---	---	12600	-13500	21900	-13900	---	---
MONTH	---	---	---	---	---	---	---	---	39000	-29900	36900	-33900

BROAD RIVER BASIN

02176720 MAY RIVER NEAR BLUFFTON, SC--Continued

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	20500	-17600	27200	-26500	30100	-22800	31800	-31100	26600	-23900	29600	-24900
2	19000	-15800	31300	-28100	31000	-26900	30400	-28000	24700	-22100	29400	-23700
3	25900	-20900	32100	-30200	31000	-27300	24400	-25900	24100	-21700	29700	-24400
4	27200	-31400	34000	-31100	33600	-33400	27700	-26000	24100	-17500	30000	-22600
5	35100	-30100	35600	-33200	34400	-30300	26400	-23600	21900	-13500	26900	-20300
6	39600	-33400	34100	-29500	32300	-25500	25500	-17900	20400	-14800	23500	-21300
7	36400	-32200	31100	-27000	28400	-22200	23800	-13800	20400	-11200	---	---
8	32000	-31200	29300	-24500	26900	-18300	18600	-13600	16000	-9410	---	---
9	35300	-29600	26600	-23100	25000	-17800	15700	-11000	14900	-10200	18600	-11000
10	23300	-23500	23000	-18800	23400	-19100	16900	-11000	19300	-9310	18200	-9950
11	25100	-15000	22700	-17500	22900	-15900	---	---	20300	-12100	17700	-12200
12	21000	-14900	19800	-14200	22600	-13100	---	---	18700	-14000	17300	-12900
13	17900	-13700	19800	-17800	---	---	---	---	23900	-13700	16700	-14300
14	16600	-12900	22700	-17400	---	---	---	---	20400	-15200	24100	-18400
15	15300	-17000	24500	-19700	---	---	18700	-14700	24800	-22700	25000	-19000
16	20100	-16600	23600	-21800	20200	-16200	23200	-19300	29000	-27800	27600	-23800
17	21100	-14400	24300	-22200	25600	-20700	24500	-18300	30500	-29500	32100	-28100
18	18800	-15200	26700	-18600	27100	-23400	25900	-24000	31300	-27800	33000	-28300
19	18700	-14400	26700	-21000	27500	-22900	21100	-21800	29900	-27500	33600	-31400
20	19900	-14400	26800	-23100	27700	-24100	22100	-20000	31000	-27800	34800	-31000
21	23800	-16200	26900	-24100	27500	-17900	23800	-20300	29800	-23900	30400	-28800
22	23800	-21100	23600	-21700	24500	-17600	25500	-22500	25500	-22900	30900	-24000
23	21400	-16000	22100	-17900	23900	-18200	21900	-13800	21600	-18700	29600	-19500
24	19100	-15800	22000	-17000	29900	-24300	22200	-16000	26200	-17100	26100	-18700
25	24000	-21000	21100	-15300	17000	-15200	22200	-14800	25200	-19300	25900	-19900
26	22800	-19100	23000	-17300	27500	-21100	24100	-20100	24600	-19200	25000	-18800
27	22900	-17600	23100	-18800	29800	-21100	20600	-17500	25900	-22400	24100	-20400
28	21600	-18100	25800	-20700	25200	-18600	22600	-20000	27700	-22500	24700	-20700
29	21500	-19400	26600	-23800	24300	-19200	23400	-21900	---	---	27000	-19700
30	22400	-22700	22400	-17500	28000	-24500	25300	-25700	---	---	---	---
31	24300	-23200	---	---	28200	-26600	26500	-23300	---	---	28500	-22400
MONTH	39600	-33400	35600	-33200	---	---	---	---	31300	-29500	---	---

Discharge, cubic feet per second

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	25700	-23200	24300	-23100	37200	-25700	24200	-26500	28300	-22900	22600	-19700
2	25600	-22100	25400	-24700	34000	-26000	27300	-19600	27200	-18200	21400	-17700
3	22800	-21800	25400	-21600	32300	-26200	27300	-22800	27000	-17500	19400	-19200
4	23500	-22000	22500	-24000	36200	-24800	27500	-20400	24200	-17000	19100	-19600
5	23500	-17100	22100	-20700	25900	-23300	25300	-18800	28400	-18600	19100	-19800
6	20700	-20000	22000	-16600	32400	-24000	24500	-19100	25000	-23600	20400	-19600
7	21300	-14800	23500	-14800	35200	-23900	24900	-19800	29700	-20900	24100	-20400
8	27300	-18200	20500	-15800	33100	-25000	25600	-21300	26400	-25700	23900	-21200
9	20600	-14500	21500	-16100	33300	-25300	29200	-25000	30200	-26400	26000	-22300
10	21500	-16800	19000	-15400	36800	-29200	32800	-28800	31100	-26800	23900	-20200
11	20300	-20100	26000	-18000	37800	-30100	34200	-30900	30100	-24500	21900	-18700
12	22800	-18800	22800	-20700	34500	-32100	38200	-30400	28400	-25000	24500	-19200
13	25600	-22000	26700	-27600	36000	-32700	34600	-27100	29100	-23200	22800	-15500
14	29000	-24300	30900	-30500	37300	-31400	32600	-28600	27700	-20000	19100	-15800
15	30800	-27400	28500	-31600	37300	-31300	34600	-27600	26700	-18100	17600	-12500
16	35300	-30800	32300	-31700	34400	-28100	32400	-24300	24300	-16100	17000	-11000
17	35000	-34000	30300	-30300	33300	-26100	31600	-20500	21100	-14300	16300	-11500
18	33100	-31800	30600	-27900	30600	-22200	29300	-19300	16800	-12600	14000	-10700
19	33500	-28400	26100	-26700	30100	-20200	25500	-17400	16900	-12600	11500	-9860
20	30500	-26900	29000	-24700	22700	-17900	22300	-17300	15600	-13200	16100	-12800
21	29600	-24700	32800	-24300	22000	-20700	22300	-15300	14200	-13800	15000	-15800
22	29100	-22300	31500	-24300	23600	-21900	19500	-18800	15500	-12500	15900	-15700
23	24200	-19200	29400	-23300	21700	-20300	21700	-14500	14000	-14700	20200	-17700
24	21500	-18900	30400	-22400	23200	-21300	17100	-14500	18600	-16600	22500	-20500
25	21200	-17100	31900	-22600	22100	-22000	21700	-13900	23600	-21700	27300	-23600
26	25000	-19500	31400	-24400	25800	-21100	23600	-21200	23900	-24300	27500	-24000
27	22700	-23000	30300	-23900	25700	-24100	24600	-20700	28400	-26200	28300	-23700
28	24900	-22900	35600	-26200	25700	-24800	28300	-22200	27900	-26100	26000	-23100
29	26800	-25600	33300	-26000	25300	-21900	26200	-23500	25600	-26000	31200	-20200
30	24400	-26100	35800	-26600	25900	-24300	29900	-24900	30100	-22900	27600	-17900
31	---	---	37200	-24600	---	---	29900	-23200	25000	-19800	---	---
MONTH	35300	-34000	37200	-31700	37800	-32700	38200	-30900	31100	-26800	31200	-24000