

## BROAD RIVER BASIN

02176635 BATTERY CREEK AT PORT ROYAL, SC

LOCATION.--Lat 32°22'37'', long 80°42'53'', Beaufort County, Hydrologic Unit 03050208, on SC Highway 802/281 bridge pier near main channel of Battery Creek, approximately 500 feet east of Battery Creek (Parris Island) public boat landing, and 2.3 mi upstream of the Battery Creek and Beaufort River confluence.

DRAINAGE AREA.--Indeterminate.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 2001 to current year.

GAGE.--Data Collection Platform and acoustic velocity meter. Datum of gage is 9.82 ft below NGVD of 1929.

REMARKS.--Records fair. 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, 56,000 ft<sup>3</sup>/s, Sep. 16, 2001, maximum gage height, 16.83 ft, Sep. 16, 2001; minimum discharge, -54,600 ft<sup>3</sup>/s, Apr. 17, 2003, minimum gage height, 4.09 ft, Nov. 6, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 54,600 ft<sup>3</sup>/s, Sep. 26, maximum gage height, 16.52 ft, Apr. 17; minimum discharge, -54,600 ft<sup>3</sup>/s, Apr. 17, minimum gage height, 4.09 ft, Nov. 6.

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

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	38000	-36000	41400	-39900	40400	-37800	51200	-49700	41400	-40300	42500	-39000
2	40800	-38000	47800	-42500	46300	-44300	45000	-43000	41600	-38600	42400	-40000
3	43200	-40500	48200	-45100	45900	-43200	37800	-42500	40400	-37400	43700	-40500
4	48200	-45800	48100	-45900	51100	-48700	42800	-42400	34700	-34200	44200	-38400
5	50300	-46400	52100	-46800	51400	-45900	42600	-38600	34100	-29800	44000	-36000
6	53300	-50400	52100	-44500	47200	-41700	37400	-33400	34400	-29900	37600	-36800
7	50500	-48400	46800	-41300	44500	-38100	35300	-29500	30900	-23100	36900	-31300
8	50500	-48600	42400	-37600	42100	-33400	28600	-25300	23500	-22800	34200	-30200
9	48700	-45300	41900	-35100	37500	-32600	26300	-24900	23700	-24800	30400	-25300
10	48300	-43500	39400	-32700	38800	-35700	25900	-24900	27100	-23900	28800	-24600
11	41600	-34800	34100	-29600	35300	-31100	25500	-26400	28200	-26400	30700	-24700
12	38800	-36100	30100	-26500	32900	-27000	27600	-23700	27800	-28700	28200	-26900
13	34500	-33700	31000	-31200	29100	-30400	31300	-29600	33200	-28000	31000	-29400
14	32300	-35800	31700	-30000	35800	-31700	30400	-30100	33000	-32000	33100	-33200
15	36000	-36100	36500	-36700	31400	-32100	29300	-29300	37500	-37000	40300	-35800
16	37900	-35100	37100	-37500	33600	-32800	35900	-35200	45400	-44000	44200	-43000
17	40600	-34800	36500	-37500	40100	-37600	36400	-33400	48000	-45100	50300	-47300
18	42500	-35900	36900	-34600	40800	-41100	41100	-39900	44600	-43100	51400	-48300
19	43300	-37800	39200	-38700	46300	-41400	36400	-38000	46300	-43900	49700	-49900
20	40700	-38100	38400	-40000	42000	-40400	36900	-32700	44500	-41700	51900	-50900
21	40000	-38800	40800	-40500	37100	-33800	38600	-36000	45100	-39600	48400	-47000
22	35800	-38400	36500	-37000	39700	-35500	42700	-38400	43200	-38900	45000	-41100
23	40700	-36800	33600	-33300	38100	-33500	39200	-29700	32900	-29600	41900	-37600
24	39200	-34300	32300	-31900	47000	-39000	34400	-31900	34000	-31900	37700	-34400
25	37000	-36100	36100	-29200	27600	-25400	36100	-29300	34400	-32900	38900	-34700
26	35200	-32600	34700	-33400	40400	-37500	40600	-33500	36900	-32900	34200	-33900
27	35000	-30400	34200	-31800	41200	-38000	34500	-31600	41200	-38000	37500	-36900
28	35500	-30400	39100	-35800	35100	-35000	37200	-35500	41700	-38500	39200	-39100
29	34700	-32500	36500	-38200	37000	-36000	42000	-36700	---	---	38900	-37400
30	35400	-34900	30900	-31600	44000	-42900	44100	-40100	---	---	40100	-37100
31	36800	-37700	---	---	44400	-43600	41600	-39600	---	---	39300	-38900
MONTH	53300	-50400	52100	-46800	51400	-48700	51200	-49700	48000	-45100	51900	-50900

