

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, 57,800 ft³/s, June 3, 2004, maximum gage height, 16.83 ft, Sep. 16, 2001; minimum discharge, -54,600 ft³/s, Apr. 17, 2003, minimum gage height, 4.09 ft, Nov. 6, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 57,800 ft³/s, June 3, maximum gage height, 16.09 ft, Sep. 27; minimum discharge, -52,000 ft³/s, June 2, minimum gage height, 4.39 ft, Mar. 8.

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	46600	-41600	40800	-39000	30900	-29800	28900	-30800	33700	-33000	25700	-26500
2	40700	-40900	37700	-38200	31600	-30100	32700	-32700	34600	-32800	29500	-30100
3	39900	-39400	42700	-37500	32200	-34100	34100	-33300	37300	-33300	31700	-31000
4	40300	-39000	44200	-39000	38400	-36900	35500	-32900	37400	-36200	35300	-33200
5	37400	-36400	43000	-37900	38400	-37900	36900	-35000	43900	-39100	38700	-39500
6	39500	-38400	41200	-40700	36600	-33300	34100	-33400	44400	-42700	41700	-40800
7	43100	-38400	43100	-40100	38900	-37500	36400	-34200	40200	-35900	43400	-40500
8	43900	-39900	44700	-40500	39900	-38500	40100	-39300	40600	-36000	45200	-45100
9	44600	-39500	38400	-37000	38700	-35900	38300	-39900	47100	-38200	48200	-45100
10	41900	-42500	40600	-38100	40000	-40700	41500	-39500	40200	-36000	46200	-40800
11	43000	-40800	42000	-40400	32900	-36000	43700	-38600	38500	-33100	45800	-40300
12	39400	-39900	33800	-35200	40000	-35600	36000	-34300	39100	-34000	39300	-35300
13	39300	-38700	29400	-26400	40100	-35600	37500	-34700	38200	-34100	37800	-34400
14	37500	-35400	32500	-30300	45000	-37000	40800	-36400	42800	-38700	42200	-35600
15	33600	-28100	31800	-29500	37400	-34600	36200	-32100	44700	-36900	38300	-37900
16	35600	-30200	33100	-29400	37000	-36000	38600	-32700	45100	-43300	37500	-38700
17	34900	-31700	32200	-30300	32600	-29000	38900	-36600	44300	-42700	40000	-36700
18	32900	-28500	35900	-33200	32900	-33600	46300	-42800	48100	-46300	45300	-42300
19	32300	-31400	31600	-35300	33400	-35100	45200	-41400	46500	-45400	45500	-44100
20	35500	-35300	39700	-40400	40300	-36800	48000	-47100	47000	-47700	50100	-46200
21	36500	-37900	44800	-42700	47800	-42900	49000	-46900	45000	-41700	46100	-41600
22	42600	-39400	47100	-46100	51900	-46900	46200	-44900	45400	-40700	43800	-39800
23	46800	-45600	53600	-48600	52100	-50300	41700	-42900	43900	-40700	41300	-39100
24	47700	-46400	52700	-49600	51100	-47500	43600	-38000	42100	-39100	37700	-37900
25	50800	-48100	51100	-47600	48800	-42000	42300	-41300	38900	-33000	39500	-34000
26	52400	-47300	51000	-48900	43700	-41600	42900	-38900	40100	-32500	34300	-28800
27	50800	-46600	49400	-45400	45400	-38300	37000	-32000	35500	-30300	29800	-25000
28	50200	-45300	43400	-42400	43500	-36400	32400	-25200	28700	-29200	26400	-29100
29	48400	-43300	37200	-33900	39300	-34900	29000	-24400	30700	-28500	29400	-29100
30	45300	-41100	35700	-33200	30900	-30100	26100	-26600	---	---	29600	-30600
31	43000	-39600	---	---	32400	-29600	26000	-25900	---	---	33700	-31700
MONTH	52400	-48100	53600	-49600	52100	-50300	49000	-47100	48100	-47700	50100	-46200

BROAD RIVER BASIN

02176635 BATTERY CREEK AT PORT ROYAL, SC--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	31800	-29000	39200	-34500	50300	-46800	51800	-49200	53000	-48700	45700	-41100
2	36500	-33600	47200	-40400	53200	-52000	51900	-49100	53000	-48600	43200	-36400
3	42000	-39900	48000	-43900	57800	-49500	52400	-49700	50800	-43300	42400	-38600
4	47000	-41600	51200	-46800	54400	-50000	51500	-47900	45600	-41200	40800	-33100
5	51200	-44000	53500	-49900	53300	-48100	50100	-44600	40700	-38500	35600	-31700
6	47000	-47000	53100	-49700	50200	-45700	47900	-41700	39700	-35500	36900	-33400
7	51000	-44900	51000	-44800	48900	-40300	45900	-39700	41700	-36500	29200	-33300
8	48500	-45800	50600	-44700	44100	-38700	41700	-42300	35300	-31300	30100	-33500
9	44800	-41400	45800	-41200	41700	-38700	39400	-36400	33800	-29100	31500	-28800
10	43500	-39700	41500	-38900	41100	-36700	37200	-37000	32600	-30800	34500	-31500
11	41500	-37700	38900	-38900	39900	-37500	34400	-35900	30600	-27900	37800	-35800
12	46900	-37700	37300	-35400	42300	-39300	35300	-34000	32600	-29200	42700	-41000
13	39200	-39800	39200	-35400	44200	-40800	37900	-35500	34700	-31700	47500	-41400
14	---	---	39200	-37600	38400	-39200	37400	-34100	37100	-31600	47100	-43200
15	---	---	40300	-39600	42300	-38100	32900	-32100	41600	-37100	46300	-43600
16	---	---	41400	-39200	40200	-36900	38800	-41500	41400	-38900	45400	-44100
17	---	---	41400	-40400	38300	-35200	39400	-38300	41300	-37800	45200	-41600
18	---	---	40300	-39000	37800	-36100	35000	-33800	41100	-37200	41300	-35600
19	---	---	40700	-38000	37800	-38700	40200	-39300	41400	-37600	41000	-35100
20	---	---	38100	-35200	39400	-38300	40200	-37400	40400	-32100	43200	-36100
21	---	---	36300	-33600	38000	-36700	39500	-36300	37800	-29500	43500	-40300
22	---	---	36000	-33100	40200	-32400	39800	-34400	36800	-31400	42800	-39000
23	36800	-29500	33900	-29800	34100	-37400	36400	-33600	41400	-32600	39000	-37200
24	30700	-28500	34200	-28500	30600	-29300	36800	-30700	41800	-36600	41900	-38300
25	31300	-27300	33700	-28800	29800	-32200	38200	-32600	42900	-39300	47600	-41500
26	28200	-25500	29700	-25000	32200	-29900	39900	-35500	47200	-40300	52300	-46800
27	27800	-25200	29400	-25200	41700	-37400	43500	-38800	49000	-43400	53100	-50400
28	25200	-22700	32800	-28300	40000	-37500	46600	-43100	52300	-45300	45100	-40900
29	30000	-28500	39300	-34700	46700	-44300	47600	-44100	50100	-46900	42800	-43300
30	33300	-30900	44000	-40200	51600	-46300	50000	-48100	46200	-44900	41700	-42500
31	---	---	48800	-42700	---	---	52500	-50100	47600	-40600	---	---
MONTH	---	---	53500	-49900	57800	-52000	52500	-50100	53000	-48700	53100	-50400