

02176585 BRICKYARD CREEK NEAR BEAUFORT, SC

LOCATION.--Lat 32°28'26'', long 80°41'34'', Beaufort County, Hydrologic Unit 03050208, on wood piling of channel marker #221 near main channel of Brickyard Creek (Intracoastal Waterway) near Beaufort Marine Corps Air Station. approximately 1.25 mi north of the confluence of Brickyard Creek and Albergetti Creek.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

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

GAGE.--Data Collection Platform and acoustic velocity meter. Elevation of gage is 5.0 ft below NGVD of 1929 (from topographic map).

REMARKS.--Records poor. During the rising side of the stage hydrograph, flows enter Brickyard Creek from the south from the Beaufort River. However, near the peak of the stage hydrograph the discharges at this site are influenced by flows from the north from the Coosaw River. During this period the index path velocity recorded by the AVM may not be representative of the cross-section. During high-tides bankfull capacity is exceeded at about 18 ft gage height and flow by-passes the gage. This by-passed flow cannot be measured and are not included in the discharge values shown herein. 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, 20,400 ft³/s, Jan. 16, 2003, maximum gage height, 22.15 ft, July 21, 2001; minimum discharge, -34,700, Aug. 18, 2001, minimum gage height, 8.99 ft, Nov. 6, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,300 ft³/s, Feb. 26, Sep. 27, maximum gage height, 21.43 ft, Nov. 26; minimum discharge, -27,400 ft³/s, July 3, minimum gage height, 9.45 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	16000	-17900	14100	-15500	9250	-10300	---	---	14700	-8990	11000	-6330
2	15600	-17700	14000	-15600	---	---	---	---	15500	-8760	10400	-7540
3	14900	-16600	14800	-16500	---	---	12600	-10600	13900	-15000	11800	-8110
4	14400	-19400	14600	-16600	16100	-10200	12200	-11600	13500	-14900	12300	-8320
5	13700	-15100	14600	-18200	13900	-12800	13000	-12800	16700	-11200	13600	-16100
6	14300	-14200	13600	-19900	13300	-12900	13000	-10500	14400	-19500	13000	-18900
7	14500	-16000	---	---	13900	-15200	12500	-11400	13500	-18800	13200	-23400
8	15000	-15800	---	---	15000	-14300	13500	-15100	14400	-11300	13900	-24000
9	14700	-16500	---	---	13400	-12900	---	---	15200	-12000	15600	-14800
10	14700	-14300	---	---	14000	-16200	---	---	14300	-13200	16800	-14000
11	14800	-12700	---	---	10600	-23700	---	---	13500	-12600	14500	-18300
12	14000	-14800	---	---	13800	-8440	12500	-20600	14900	-11400	13600	-19200
13	14300	-14600	9850	-13800	16400	-8550	13100	-12700	14300	-12100	14800	-11700
14	13400	-16400	11100	-11700	16000	-13000	---	---	14800	-12400	15600	-12800
15	12500	-12300	10800	-9400	13800	-10200	12500	-15800	15900	-13400	13900	-13600
16	12900	-9450	11700	-11400	13500	-9160	13000	-10600	16000	-12800	13800	-11900
17	12500	-11900	10300	-12200	12400	-18600	14500	-11900	15900	-13700	14000	-12600
18	11500	-9360	11700	-12500	11400	-15600	15200	-22600	15500	-19300	14300	-19600
19	11800	-11500	12200	-15700	---	---	14600	-18700	14700	-21800	15200	-16000
20	12100	-11700	13300	-18500	---	---	15700	-17700	15500	-21300	17000	-21900
21	11900	-17100	14900	-18200	---	---	15900	-19000	14500	-22400	14600	-19300
22	14600	-17500	15900	-20200	---	---	15000	-20900	15600	-13500	16100	-13100
23	15800	-22200	16300	-21500	---	---	13700	-17100	15300	-12500	15400	-13400
24	16200	-23800	15900	-23900	---	---	14700	-17400	14100	-11600	14300	-9800
25	16700	-19800	16200	-17300	---	---	15400	-14100	14200	-13100	14400	-12200
26	16400	-21100	16600	-22100	---	---	15400	-14500	18300	-11400	12300	-9940
27	16400	-24700	15800	-20500	---	---	13600	-12100	13300	-8800	11000	-8450
28	16600	-21000	13800	-24700	---	---	11100	-16500	11700	-7970	12300	-8000
29	16400	-17100	11300	-14400	---	---	11500	-12900	10500	-9530	10200	-5760
30	15900	-14200	11000	-11700	---	---	11700	-11700	---	---	11400	-5710
31	15400	-15400	---	---	---	---	12200	-8990	---	---	---	---
MONTH	16700	-24700	---	---	---	---	---	---	18300	-22400	---	---

