

02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC

LOCATION.--Lat 32°23'40'', long 80°40'32'', Beaufort County, Hydrologic Unit 03050208, attached to concrete pier of SC Highway 802 bridge near U.S. Naval Hospital in Port Royal near main channel of Beaufort River (Intracoastal Waterway), approximately 1,000 ft from west end of bridge.

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 10.55 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, 136,000 ft³/s, July 23, 2001, Apr. 18, 2003, maximum gage height, 17.16 ft, Aug. 7, 2002; minimum discharge, -133,000 ft³/s, Apr. 17, 2003, minimum gage height, 4.76 ft, Nov. 6, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 131,000 ft³/s, June 4, maximum gage height, 16.64 ft, Sep. 27; minimum discharge, -120,000 ft³/s, June 2, 3, Sep. 27, minimum gage height, 5.04 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	109000	-97600	97200	-88000	75700	-73600	70200	-72000	75300	-72300	58400	-59900
2	108000	-94000	92700	-88100	75200	-92500	79300	-76200	80400	-72800	68200	-67600
3	98800	-96500	102000	-88400	70600	-79700	77000	-78900	83300	-76000	75400	-72800
4	97000	-90200	99900	-91600	85800	-89500	80000	-81500	81100	-84800	81700	-77200
5	97700	-87500	99700	-91400	86500	-92800	84000	-82900	99500	-90100	93100	-84300
6	98800	-91200	98200	-98400	84400	-84800	85700	-83200	97600	-95700	94200	-96600
7	104000	-90400	98700	-92400	90900	-87400	85500	-79500	93100	-91600	110000	-96900
8	103000	-94200	103000	-96400	90200	-89600	88200	-89400	96200	-90700	110000	-106000
9	101000	-97700	96600	-85000	90100	-86700	94200	-92300	104000	-90800	109000	-105000
10	101000	-99400	99100	-89000	85800	-92700	100000	-89500	91000	-86200	112000	-96700
11	95000	-98600	95300	-93300	76900	-93000	100000	-89300	86900	-78900	103000	-90900
12	96600	-94500	86100	-80800	91700	-82900	83500	-82900	87000	-76600	94200	-81900
13	85900	-94100	71300	-68100	93600	-82600	86900	-80600	86900	-79400	90600	-77800
14	89300	-86400	80900	-71300	103000	-87600	92100	-84700	92000	-92000	98100	-75900
15	83700	-74600	76500	-66900	87600	-79900	82600	-80800	92700	-87600	92300	-84200
16	80500	-74300	78100	-69000	86100	-78800	81400	-78200	105000	-95900	91000	-83400
17	81100	-70100	71800	-71000	79700	-69200	91600	-86900	103000	-93300	94600	-84700
18	80900	-66500	81700	-91200	77100	-85800	104000	-99400	106000	-102000	105000	-96300
19	76100	-73900	77300	-78400	81500	-86000	108000	-96500	110000	-104000	108000	-101000
20	81300	-81100	96700	-96400	98000	-88200	119000	-107000	110000	-108000	122000	-106000
21	92200	-88700	108000	-102000	114000	-103000	123000	-110000	104000	-101000	112000	-97200
22	103000	-97900	115000	-106000	117000	-109000	114000	-106000	104000	-97400	112000	-94500
23	113000	-106000	122000	-114000	122000	-116000	101000	-102000	97600	-93000	101000	-92400
24	117000	-110000	123000	-117000	126000	-109000	105000	-95600	90200	-93000	91900	-84500
25	122000	-112000	125000	-112000	114000	-98600	108000	-95900	88900	-75200	90000	-76000
26	125000	-114000	123000	-116000	107000	-95900	103000	-91600	105000	-79200	76500	-69800
27	124000	-112000	118000	-106000	102000	-87700	84100	-81700	78200	-70700	68700	-61500
28	123000	-106000	110000	-98800	98900	-84500	71700	-68500	66200	-63700	55100	-62800
29	124000	-100000	94400	-87000	89800	-80000	66400	-61500	63700	-64200	71200	-61600
30	109000	-97400	89400	-77200	70800	-70700	56000	-62400	---	---	75700	-71300
31	99200	-89600	---	---	75200	-69700	59100	-59100	---	---	81900	-73400
MONTH	125000	-114000	125000	-117000	126000	-116000	123000	-110000	110000	-108000	122000	-106000

BROAD RIVER BASIN

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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	74900	-73200	93100	-86200	120000	-114000	128000	-117000	---	---	105000	-100000
2	89300	-81300	107000	-100000	129000	-120000	124000	-116000	---	---	94400	-92800
3	99300	-92100	111000	-107000	124000	-120000	124000	-119000	---	---	96500	-90300
4	112000	-96900	117000	-109000	131000	-116000	126000	-117000	---	---	91400	-83100
5	115000	-105000	120000	-117000	122000	-113000	121000	-105000	98100	-91700	91700	-75300
6	110000	-110000	124000	-118000	118000	-109000	120000	-97300	93400	-84300	91300	-76700
7	123000	-109000	123000	-106000	117000	-95100	108000	-93600	100000	-87500	65900	-79000
8	114000	-104000	120000	-104000	107000	-91800	96200	-99200	82800	-79500	77000	-81000
9	108000	-98500	108000	-95800	103000	-88400	92800	-86700	79600	-71700	79000	-75100
10	102000	-89000	101000	-91200	96200	-89300	87600	-84300	78000	-75200	83800	-77900
11	93400	-88400	93900	-88600	93100	-91200	84400	-87200	76300	-75300	92300	-83800
12	99800	-88400	93600	-86600	96000	-91700	84900	-82500	85200	-79300	107000	-95900
13	90300	-88800	94000	-85500	106000	-96200	93400	-84400	88600	-77200	112000	-102000
14	79800	-81400	93900	-90200	94300	-93500	95300	-83300	92300	-81700	115000	-106000
15	97800	-85600	96900	-94100	95400	-95900	84500	-77900	94800	-93600	112000	-106000
16	98000	-92600	100000	-92400	96900	-90800	94200	-95300	101000	-96400	112000	-106000
17	100000	-92900	102000	-96000	92900	-88000	97000	-92700	103000	-95100	103000	-101000
18	93100	-94800	97300	-92800	90600	-87700	94600	-92400	99200	-94300	100000	-88200
19	92300	-93900	97900	-91800	92300	-89800	91900	-94900	103000	-94600	99400	-88500
20	96500	-89700	97900	-88300	97300	-87000	102000	-87700	101000	-83900	101000	-88100
21	95200	-90100	94800	-81100	96000	-84000	92600	-88400	85500	-79300	103000	-93100
22	91100	-85200	91900	-82100	94900	-80900	94400	-83500	---	---	102000	-91600
23	86900	-73500	88900	-72600	86700	-74900	91800	-82100	---	---	96900	-90300
24	76500	-70600	84100	-70700	81300	-70700	93800	-78300	---	---	105000	-91700
25	71100	-64900	85200	-71200	72100	-78100	91900	-81200	---	---	114000	-96500
26	69900	-61500	77400	-65000	77100	-76400	93700	-91600	108000	-101000	129000	-110000
27	70300	-61700	72800	-67100	93400	-86600	102000	-95500	116000	-102000	120000	-120000
28	63600	-55400	78600	-72400	98900	-91800	113000	-104000	124000	-110000	120000	-102000
29	76600	-63200	91600	-86400	111000	-104000	117000	-106000	118000	-115000	107000	-106000
30	83900	-73400	105000	-95000	118000	-106000	---	---	113000	-109000	104000	-104000
31	---	---	111000	-103000	---	---	---	---	107000	-101000	---	---
MONTH	123000	-110000	124000	-118000	131000	-120000	---	---	---	---	129000	-120000