

BROAD RIVER BASIN

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 ft<sup>3</sup>/s, July 23, 2001, Apr. 18, 2003, maximum gage height, 17.16 ft, Aug. 7, 2002; minimum discharge, -133,000 ft<sup>3</sup>/s, Apr. 17, 2003, minimum gage height, 4.76 ft, Nov. 6, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 136,000 ft<sup>3</sup>/s, Apr. 18, maximum gage height, 17.01 ft, Apr. 17; minimum discharge, -133,000 ft<sup>3</sup>/s, Apr. 17, minimum gage height, 4.76 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	94400	-90600	102000	-102000	99600	-95400	122000	-125000	97600	-97500	96900	-99900
2	98200	-95200	113000	-107000	117000	-108000	105000	-105000	87000	-93100	102000	-105000
3	109000	-101000	115000	-112000	110000	-107000	89900	-104000	87000	-94500	96000	-105000
4	115000	-114000	123000	-115000	128000	-119000	102000	-104000	78300	-89800	98800	-97700
5	118000	-115000	124000	-121000	121000	-116000	95700	-96500	69400	-80800	90500	-92700
6	124000	-122000	122000	-111000	109000	-102000	95100	-85200	71800	-79800	82000	-91500
7	121000	-119000	116000	-103000	102000	-92600	88100	-74600	63700	-73100	83600	-82900
8	121000	-118000	106000	-95800	91900	-81400	58800	-68300	51300	-64400	81300	-76600
9	125000	-110000	100000	-86300	86700	-78500	57500	-70000	48200	-65900	69300	-66300
10	115000	-109000	91300	-83900	85200	-84100	47000	-65300	47800	-65900	67200	-59100
11	102000	-84700	76700	-74000	84500	-79900	54100	-68000	54500	-68800	67600	-62000
12	97300	-90400	69200	-71300	67000	-69800	59300	-60600	59300	-67600	68000	-62000
13	95800	-85400	73800	-80700	62700	-74100	71300	-68800	69600	-73500	70400	-66500
14	89700	-87800	78900	-75800	78500	-78700	61600	-74300	67600	-82200	82400	-79000
15	96900	-86600	87000	-87000	67000	-80000	66300	-77800	85500	-92100	104000	-84000
16	97100	-89400	87500	-92000	70900	-82700	82200	-88800	111000	-106000	104000	-104000
17	---	---	88500	-92700	86600	-91300	78900	-84600	110000	-112000	119000	-115000
18	---	---	89700	-87500	90000	-98500	91500	-97300	107000	-104000	120000	-120000
19	73500	-98700	93000	-93800	103000	-99200	84400	-98700	110000	-107000	124000	-123000
20	73000	-98000	92000	-99700	101000	-97200	77000	-88800	101000	-103000	128000	-119000
21	76700	-98600	98700	-98100	83800	-87000	83000	-93500	100000	-98700	118000	-113000
22	76700	-96800	89300	-91500	93000	-84200	100000	-95600	98500	-95800	---	---
23	85600	-94900	82500	-81400	89000	-86700	86300	-81900	83600	-82000	102000	-87600
24	83100	-90900	78600	-79200	104000	-94000	77700	-82300	83100	-80400	95100	-85600
25	83900	-89100	---	---	74000	-71300	70100	-80900	79200	-78400	92500	-84700
26	78700	-85800	83300	-81200	93500	-91300	84000	-79600	86400	-80900	84900	-85800
27	77000	-78400	84400	-76400	85900	-94800	71200	-77700	96700	-87900	90300	-85300
28	78400	-77400	88200	-87700	76600	-85700	83400	-86300	89700	-95900	104000	-93700
29	80200	-84600	87900	-95800	85300	-88500	88400	-91600	---	---	104000	-91400
30	85400	-88200	80300	-86400	102000	-101000	90500	-97600	---	---	103000	-97000
31	90200	-93900	---	---	102000	-105000	92300	-96700	---	---	95900	-92500
MONTH	---	---	---	---	128000	-119000	122000	-125000	111000	-112000	---	---

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02176611 BEAUFORT RIVER NEAR PORT ROYAL, 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
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	92800	-95500	101000	-96200	93500	-93300	99500	-104000	111000	-96500	107000	-95400
2	87400	-91900	---	---	90600	-94300	108000	-88700	114000	-94600	103000	-88600
3	85300	-89700	99700	-97400	92400	-82100	99900	-91500	107000	-89200	99900	-89600
4	86100	-92700	86300	-96000	96100	-88900	99300	-83400	102000	-87200	96800	-92000
5	84100	-84500	95500	-92400	84300	-83300	97800	-84500	97500	-87900	105000	-95300
6	85300	-81100	---	---	89800	-87800	98900	-83900	105000	-92000	109000	-94900
7	89300	-74200	---	---	91900	-87800	94700	-83900	119000	-92800	114000	-97800
8	80900	-87000	---	---	87200	-95000	98000	-85500	110000	-102000	115000	-101000
9	85900	-84800	---	---	91100	-87900	109000	-98600	120000	-105000	121000	-106000
10	82800	-80600	79900	-77900	102000	-100000	115000	-105000	117000	-104000	119000	-101000
11	85400	-88000	85500	-83400	123000	-111000	122000	-115000	114000	-103000	112000	-105000
12	94500	-85700	88000	-88600	130000	-116000	128000	-115000	116000	-102000	114000	-102000
13	103000	-96900	110000	-108000	131000	-122000	117000	-104000	111000	-99900	102000	-96300
14	117000	-107000	118000	-117000	125000	-118000	118000	-104000	118000	-95600	99000	-90000
15	124000	-113000	121000	-123000	125000	-121000	121000	-105000	106000	-90700	89000	-84200
16	128000	-127000	124000	-122000	128000	-108000	108000	-97100	97000	-84500	87200	-79800
17	129000	-133000	125000	-123000	122000	-97600	105000	-89200	85600	-78300	92400	-74400
18	136000	-128000	128000	-127000	111000	-92500	103000	-85000	78200	-73900	80100	-77900
19	133000	-118000	121000	-107000	109000	-81600	90800	-76400	86100	-70200	67900	-69400
20	126000	-110000	119000	-103000	91000	-79800	86400	-81200	81900	-73700	72300	-77500
21	120000	-102000	104000	-94400	92600	-80400	81400	-79200	78700	-76900	88100	-92000
22	108000	-95900	89700	-85600	91500	-83700	83400	-76200	81900	-81200	89500	-96100
23	91600	-85000	83400	-88500	88100	-84000	81200	-70400	81300	-79100	107000	-106000
24	87600	-87400	86400	-86500	86800	-84000	79300	-72400	101000	-90000	122000	-105000
25	82300	-84800	82700	-88500	89400	-85400	81200	-75200	113000	-100000	132000	-120000
26	90100	-82500	87500	-87900	93000	-85900	97900	-87000	115000	-103000	128000	-118000
27	91700	-93200	84300	-92300	97500	-93500	104000	-92300	123000	-112000	128000	-120000
28	96500	-94900	91500	-96700	108000	-94200	104000	-100000	120000	-111000	128000	-111000
29	101000	-101000	95500	-91300	98900	-93400	109000	-97400	118000	-110000	119000	-100000
30	104000	-100000	96000	-96900	98900	-92200	110000	-102000	116000	-104000	114000	-99100
31	---	---	96000	-94300	---	---	114000	-97900	113000	-99100	---	---
MONTH	136000	-133000	---	---	131000	-122000	128000	-115000	123000	-112000	132000	-120000