

ALBEMARLE SOUND BASIN

0204382800 PASQUOTANK RIVER NEAR SOUTH MILLS, NC

LOCATION.--Lat 36°25'18", long 76°20'34", Camden County, Hydrologic Unit 03010205, at bridge on US Highway 17, 1 mi below Newland Canal and 2 mi southwest of South Mills.

DRAINAGE AREA.--Approximately 64.0 mi².

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is 4.52 ft below sea level. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharge and periods Oct. 31 to Nov. 2, 5-10, Dec. 30 to Jan. 2, 6, 7, and May 18, 19, which are poor. This site is strongly affected by astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. The published 24.0 hour mean daily discharge data for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	9.6	41	32	58	97	195	51	-18	124	12	14
2	176	17	43	35	52	93	212	53	37	113	1.1	11
3	142	e-3.0	e52	e30	52	91	197	36	24	89	3.0	2.9
4	134	e-8.0	e46	e23	47	101	201	35	11	72	1.2	1.4
5	142	7.4	45	e20	52	121	192	40	11	76	5.2	5.0
6	142	e3.0	50	19	51	127	171	41	20	72	2.4	-7.1
7	149	-3.3	47	16	52	111	164	40	89	52	24	-12
8	135	-2.3	48	e40	49	100	159	31	71	41	22	-7.3
9	118	-15	52	50	45	101	153	26	58	42	9.9	-16
10	102	-20	49	44	46	102	151	e38	46	29	4.6	-5.2
11	97	e-10	52	43	47	86	147	e44	36	42	1.8	1.5
12	98	e-2.0	63	47	42	88	e142	e20	31	36	-.44	-11
13	92	e6.0	63	45	44	79	129	19	16	28	5.2	-11
14	79	e16	62	40	43	102	147	12	38	18	13	-2.1
15	66	25	73	60	49	98	123	15	9.9	17	10	-3.4
16	52	12	69	59	49	108	131	15	97	11	-5.2	e-2.0
17	51	24	64	55	75	101	116	10	276	3.5	-4.2	-7.4
18	48	20	94	54	89	93	108	13	247	4.4	10	-21
19	48	20	85	50	78	86	90	13	204	7.9	14	-13
20	37	21	82	63	77	79	92	9.4	171	7.0	9.7	-42
21	44	27	74	80	79	106	86	-4.0	141	3.6	24	-29
22	49	20	78	73	87	146	84	-28	141	-3.9	15	-4.9
23	38	19	70	71	132	129	74	21	132	-7.1	.19	-5.8
24	40	23	65	65	124	111	66	6.0	177	-18	11	-36
25	37	16	68	68	107	132	72	e-2.0	202	12	11	17
26	41	43	e62	57	122	119	73	-9.5	192	22	-2.0	31
27	45	42	56	60	111	108	63	24	181	34	-10	-1.2
28	e30	41	62	55	104	98	62	6.9	182	7.7	1.8	1.6
29	e16	41	e51	54	---	85	58	14	164	6.6	12	3.8
30	e2.0	46	34	54	---	115	51	7.6	141	43	6.5	e3.0
31	-12	---	31	58	---	152	---	5.5	---	22	9.3	---
TOTAL	2426.0	435.4	1831	1520	1963	3265	3709	602.9	3127.9	1006.7	218.05	-145.2
MEAN	78.3	14.5	59.1	49.0	70.1	105	124	19.4	104	32.5	7.03	-4.84
MAX	188	46	94	80	132	152	212	53	276	124	24	31
MIN	-12	-20	31	16	42	79	51	-28	-18	-18	-10	-42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001
MEAN	126	76.8	91.3	134	192	164
MAX	430	205	172	189	367	277
(WY)	2000	2000	1997	1998	1998	1998
MIN	13.3	13.6	18.2	49.0	70.1	101
(WY)	1999	1999	1996	2001	2001	1999

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1996 - 2001

ANNUAL TOTAL	47655.4	19959.75	
ANNUAL MEAN	130	54.7	116
HIGHEST ANNUAL MEAN			182
LOWEST ANNUAL MEAN			54.7
HIGHEST DAILY MEAN	468	Jun 30	276
LOWEST DAILY MEAN	-20	Nov 10	-42
ANNUAL SEVEN-DAY MINIMUM	-7.1	Nov 6	-22
MAXIMUM PEAK FLOW			293
MAXIMUM PEAK STAGE			6.96
INSTANTANEOUS LOW FLOW			-89
10 PERCENT EXCEEDS	214		133
50 PERCENT EXCEEDS	126		45
90 PERCENT EXCEEDS	41		-2.0

e Estimated.

Note. -- Negative values indicate reverse flow.

0204382800 PASQUOTANK RIVER NEAR SOUTH MILLS, NC--Continued

