

Water-Data Report 2007

0204382800 PASQUOTANK RIVER NEAR SOUTH MILLS, NC

Albemarle-Chowan Basin
Albemarle Subbasin

LOCATION.--Lat 36°25'17", long 76°20'33" referenced to North American Datum of 1983, Camden County, NC, Hydrologic Unit 03010205, at bridge on U.S. Highway 17, 1 mi below Newland Canal and 2 mi southwest of South Mills.

DRAINAGE AREA.--64 mi², approximately.

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is -4.52 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for daily discharges below 50 ft³/s and those that are negative, which are poor. This site is strongly affected by astronomical and wind tides. The astronomical tides may not occur at primary harmonic periods of 12.42 hours and 24.8 hours. 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,330 ft³/s, September 19, 1999, maximum gage height, 9.85 ft, September 6, 1996; minimum discharge, -240 ft³/s, September 6, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 719 ft³/s, November 23, maximum gage height 7.90 ft, November 23; minimum discharge, -60 ft³/s, September 9.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	143	99	99	29	329	264	215	171	229	189	135	99
2	136	74	99	24	331	276	239	186	222	197	139	65
3	117	56	92	18	347	304	239	191	237	190	163	114
4	119	60	87	30	352	314	226	183	220	183	168	117
5	115	47	86	30	341	299	228	186	237	193	158	84
6	126	47	81	22	325	289	235	179	216	176	147	81
7	120	43	96	16	322	287	243	195	212	163	144	82
8	127	65	161	19	328	254	236	189	190	166	130	87
9	115	44	194	137	304	233	240	193	178	147	121	85
10	111	45	179	127	263	223	247	201	170	147	112	81
11	88	21	168	114	257	222	240	205	164	131	116	69
12	68	-1.5	250	113	267	228	232	198	156	131	109	64
13	123	54	378	234	260	209	237	190	154	130	102	64
14	117	29	366	297	264	201	232	190	167	102	99	65
15	99	42	327	264	257	205	224	182	157	120	104	63
16	104	57	289	152	247	209	---	---	143	115	192	60
17	88	3.0	255	186	237	189	---	---	146	98	237	170
18	104	3.1	259	220	238	198	---	---	142	99	230	177
19	111	38	258	219	230	183	---	---	143	93	190	125
20	107	7.5	256	213	232	192	---	---	122	94	188	141
21	112	31	268	223	216	174	---	---	119	88	178	141
22	82	37	630	235	210	158	---	---	128	77	156	126
23	110	19	719	608	198	146	---	---	130	79	156	113
24	98	14	676	515	217	169	274	243	121	72	149	115
25	81	15	539	405	212	160	262	230	145	55	147	112
26	72	8.7	437	341	293	190	280	221	175	107	139	102
27	69	18	376	312	276	229	237	200	166	124	135	95
28	146	-15	342	294	263	222	246	201	154	117	131	101
29	139	48	332	290	256	209	251	219	---	---	129	94
30	116	54	335	285	251	200	231	194	---	---	119	85
31	99	52	---	---	228	184	245	187	---	---	113	74
Month	146	-15	719	16	352	146	---	---	237	55	237	60

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	115	70	99	46	57	-4.7	102	-34	35	-27	38	-26
2	120	70	90	35	52	-11	44	-25	36	-24	38	-27
3	110	71	120	-1.2	56	-45	39	-31	43	-30	41	-32
4	133	50	98	37	79	-12	36	-37	44	-36	36	-33
5	125	34	91	29	80	-15	45	-48	101	-30	40	-35
6	101	50	112	50	89	-17	68	-40	92	-17	30	-35
7	112	26	94	60	61	-36	53	-52	53	-27	35	-30
8	109	39	86	47	65	-14	46	-39	48	-29	42	-33
9	90	38	103	32	79	-1.4	52	-44	75	-52	72	-60
10	91	16	92	50	63	-6.2	53	-45	118	-33	47	-41
11	75	35	98	26	60	-19	66	-34	121	-7.7	28	-47
12	99	4.4	137	32	50	-13	58	-40	52	-24	65	-47
13	88	30	156	85	50	-11	54	-41	41	-20	35	-25
14	80	24	124	77	61	-22	42	-35	44	-28	37	-33
15	145	-8.3	108	37	51	-24	41	-34	37	-35	71	-40
16	242	140	118	14	40	-37	42	-32	33	-42	46	-37
17	244	193	126	43	55	-33	80	-45	63	-46	44	-32
18	219	151	112	64	60	-31	57	-38	72	-31	37	-28
19	172	136	104	55	48	-38	59	-47	37	-37	40	-28
20	156	114	100	51	82	-34	74	-45	46	-41	44	-35
21	146	86	107	47	60	-34	45	-35	79	-40	52	-30
22	140	92	93	53	46	-26	39	-32	82	-58	49	-34
23	137	51	90	41	41	-40	38	-30	39	-28	46	-33
24	146	75	86	42	31	-26	37	-29	41	-37	39	-32
25	143	77	79	27	53	-29	37	-25	46	-39	31	-26
26	132	76	76	7.9	45	-35	39	-37	103	-23	40	-28
27	110	35	80	9.9	52	-34	72	-32	78	-13	51	-33
28	136	64	70	5.8	50	-38	74	-47	54	-17	56	-36
29	121	52	63	18	78	-57	57	-51	40	-24	41	-39
30	104	49	57	3.8	82	-43	80	-33	38	-35	47	-36
31	---	---	52	-4.8	---	---	46	-34	43	-29	---	---
Month	244	-8.3	156	-4.8	89	-57	102	-52	121	-58	72	-60

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