

Water-Data Report 2010

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 5.50 ft below North American Vertical Datum of 1988. Satellite telemetry at streamgage.

REMARKS.--Records fair except those for discharges below 50 ft³/s and those that are negative, which are poor. This site is affected by astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.84 hours. Daily discharges for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge. By convention, the U.S. Geological Survey has established (downstream) as positive flows and (upstream) as negative flows.

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, 736 ft³/s, November 13; maximum gage height 9.08 ft, September 30; minimum discharge, -62 ft³/s, October 24.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	135	71	89	-54	210	172	368	319	281	237	294	246
2	111	23	75	-26	221	179	371	331	280	231	313	238
3	93	23	53	-20	281	188	359	307	348	257	419	286
4	108	51	60	-28	302	252	344	291	353	306	422	365
5	93	-0.81	67	-20	328	258	318	275	385	295	389	329
6	87	-5.9	82	-32	325	278	309	264	724	385	350	302
7	87	1.00	31	-43	312	247	294	260	706	562	330	280
8	88	-11	63	-34	283	238	293	251	581	450	304	248
9	62	-4.6	45	-7.8	504	244	290	252	478	394	292	243
10	85	-7.7	44	-24	523	453	286	246	437	390	282	235
11	73	-17	134	-14	491	403	276	235	422	371	277	237
12	59	-24	636	114	417	336	266	234	400	355	283	236
13	68	-23	736	588	353	283	268	230	396	356	311	259
14	62	-24	644	476	332	282	256	222	407	354	311	264
15	85	-27	535	428	317	271	263	215	388	345	307	264
16	73	-15	477	375	312	266	254	217	380	337	308	268
17	69	-29	397	321	306	260	256	201	375	331	299	238
18	82	-38	354	279	302	254	294	233	360	315	274	233
19	67	-24	308	229	422	269	290	246	348	302	268	223
20	45	-22	263	212	426	387	279	232	354	294	261	211
21	55	-20	254	208	406	345	272	230	341	295	246	200
22	65	-10	242	210	376	323	333	232	322	281	247	193
23	76	-20	241	198	345	298	341	277	327	287	242	193
24	47	-62	228	190	331	283	319	248	325	278	247	197
25	105	-19	224	186	337	278	332	214	341	287	246	170
26	67	-26	228	183	460	322	362	311	322	277	249	179
27	62	-25	232	183	464	403	363	292	312	264	247	208
28	---	---	234	183	425	355	326	277	298	255	245	163
29	---	---	220	169	385	335	297	258	---	---	425	158
30	---	---	209	167	368	307	310	256	---	---	473	387
31	42	-41	---	---	357	294	316	254	---	---	411	321
Month	---	---	736	-54	523	172	371	201	724	231	473	158

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	355	279	123	41	104	18	48	-23	55	-39	38	-32
2	312	241	103	17	107	8.4	53	-28	67	-47	49	-39
3	271	222	94	25	90	23	48	-26	42	-36	38	-40
4	255	202	108	54	86	-10	29	-14	42	-40	39	-40
5	244	191	91	7.5	81	12	52	-25	75	-43	38	-23
6	238	188	79	20	84	-0.78	38	-29	75	-57	37	-26
7	230	180	80	9.0	113	0.92	41	-24	74	-49	34	-32
8	222	162	71	-26	72	-8.5	36	-30	33	-34	53	-23
9	235	154	74	-19	69	-8.2	56	-36	48	-51	49	-42
10	246	183	70	-37	67	-6.4	51	-29	33	-40	48	-32
11	246	188	54	-15	69	-0.70	49	-35	46	-46	40	-29
12	237	199	73	-26	58	-9.3	52	-44	52	-47	41	-36
13	232	191	76	-26	73	-17	38	-45	52	-45	37	-29
14	234	191	77	-8.8	66	-17	44	-48	36	-34	18	-22
15	221	172	75	-32	60	-13	58	-28	24	-48	31	-26
16	203	153	98	-27	87	-18	52	-30	28	-49	24	-49
17	201	151	107	5.2	82	-17	69	-50	36	-56	48	-47
18	209	156	264	81	62	-3.8	60	-40	70	-45	53	-27
19	188	118	276	207	78	-29	45	-45	51	-36	38	-27
20	170	118	244	183	72	-23	72	-47	46	-43	37	-36
21	171	118	211	146	74	-5.7	67	-36	39	-35	26	-30
22	170	108	181	121	68	-7.5	41	-34	57	-33	31	-42
23	167	104	160	99	67	-9.6	57	-47	61	-30	43	-39
24	152	69	177	136	61	-21	49	-34	45	-48	34	-38
25	146	67	179	117	53	-27	49	-32	37	-28	42	-41
26	139	70	149	81	65	-30	64	-48	45	-34	64	-20
27	154	88	110	58	39	-35	45	-32	86	-27	59	-29
28	154	60	122	33	54	-34	42	-41	46	-31	61	-42
29	121	60	84	37	78	-36	61	-38	52	-31	86	5.5
30	117	44	116	29	68	-38	50	-46	41	-31	511	63
31	---	---	106	8.7	---	---	30	-32	35	-29	---	---
Month	355	44	276	-37	113	-38	72	-50	86	-57	511	-49

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