

Water Resources.—The Pleistocene deposits covering the surface of the county yield from their basal sandy layers moderate supplies of soft water. It is obtained by means of open dug wells or driven wells which seldom exceed 15 or 20 feet in depth. This source probably furnishes the larger part of the water used for domestic purposes.

Some deep wells have been drilled in the county, and information has been received regarding a number of them. The reader is referred to the table of well data given below for detailed information.

Artesian Prospects.—The Cretaceous deposits belonging in part to the Black Creek formation which outcrops in the western part of the county and dip gently to the eastward, and in part to the Peedee formation which overlies the Black Creek in the eastern half of the county,

PENDER

Number.	Location.	Owner.	Date completed.	Elevation of surface above datum—feet.	Datum.	Depth—feet.	Diameter—inches.	Depth to principal water supply—feet.	Height of water, ± surface—feet.
1	Willard.....	J. M. Johnson.....		about 51.	sea level.	135	1½		—20
2	Willard, 1 mile S. of....	Angola Lumber Co.....	1903	about 65.	sea level.	165	3½	160	—17
3	Willard, 1 mile from....	E. M. Johnson.....	1900	15	level of creek.	145	1½		— 5
4	Atkinson, 4 miles W. of, at store.	Ed. Sellers.....	about 1895.	6	level of Black River.	75	1½	75	+ 0
5	Olga, 2½ miles E. of....	W. M. Corbett.....				25±	1½	20	0
6	Watha.....	Fitzhugh Lumber Co....	1903	60	sea level.	175	4½	170	—17
7	Burgaw.....	Burgaw Manufacturing Co.	1903	57	sea level.	80	5	65	—12
8	St. Helena, 2½ miles S. of Burgaw.	Carolina Trucking Development Co., Wilmington	1906	45±	sea level.	220	4½	220	—13
9	Rocky Point.....	J. L. Casteen.....	1897	40	sea level.	45	1½	45	— 8
10	do.....	J. C. Jones.....	1900	44	sea level.	54	2	50	?

PERQUIMANS COUNTY.

Topography.—With the exception of a narrow strip in the northwest, a broad and but very slightly dissected plain with elevations scarcely exceeding 20 feet above sea level spreads over the entire county. This forms a part of the Pamlico plain, which is the lowest of the Pleistocene terraces. Along a distance of about 9 miles in the northwestern part of the county the next higher or Chowan plain is present as a narrow strip about a mile wide with elevations slightly exceeding 50 feet.

Geology.—The surface materials over the entire county are of Pleistocene age. They consist of fine sands, sandy loams, and clays belonging to the Chowan and Pamlico formations. These are underlain at shallow depths by sands, clays, and shell marls which are probably in