

through these and enter the underlying Black Creek, Peedee, Miocene, or Pliocene beds, as the case may be. Springs occur along the valley slopes, and these have been made use of to a limited extent.

In recent years the value of the Black Creek and Peedee formations as sources of good water supplies has come to be more generally recognized and in certain parts of the county numerous deeper wells have been drilled penetrating the water horizons of these formations.

The reader is referred to the table of well data given below for detailed information regarding the deeper wells of the county concerning which information has been obtained.

Assays and one analysis of waters from this county are given elsewhere in this report, as follows: Table 1, pp. 492, 493, assays Nos. 10-22; Table 2, pp. 194, 195, analysis No. 7. These are discussed on p. 485.

Artesian Prospects.—In general, the prospects for obtaining potable artesian water supplies are good in all parts of the county. The depth at which water horizons will be encountered will vary irregularly in different localities, and the only way to determine the depth to these horizons in particular localities, and it might almost be said for particular locations of individual wells, is by drilling. In most places, however, a water-bearing bed or beds will be encountered between the depths of 50 and 300 feet.

Within several miles of the Cape Fear and Black rivers flows are not apt to be obtained except on low ground where the mouth of the well is not more than a few feet above the stream level. In the extreme western part of the county, however, experience has shown that small flows may be obtained as high as 100 feet or more above sea level.

COUNTY.

Yield per minute.		How obtained at surface.	Use.	Geologic horizon and character of water-beds.	Remarks.
Flow—gallons.	Pump—gallons.				
2½	-----	flows.	domestic.	Peedee formation; white sand.	See water assay No. 20, table 1, pp. 492, 493.
3-16	-----	flows.	domestic.	Peedee formation.	
-----	-----	hand pump.	domestic.	Peedee formation; greenish sand.	Another horizon at 50 ft.
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-----	-----	flows.	domestic.	Black Creek formation; sand.	
-----	-----	pump.	domestic.	Black Creek formation; sand.	
-----	4	-----	domestic.	Black Creek formation; sand.	
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