

issuing from the Black Creek formation at the foot of the escarpment bordering Tar River at this place are reported to be both sulphurous and ferruginous.

Assays and one analysis of waters from this county are given elsewhere in this report, as follows: Table 1, pp. 500-503, assays Nos. 156-162; Table 2, pp. 506, 507, analysis No. 43. These are discussed on page 490.

Artesian Prospects.—Over the entire county the Miocene beds offer a source of artesian supply. Water from this source will in most cases be potable, but on account of the presence of shell marl is apt to be hard. Water from the Peedee beds which underlie the Miocene is also apt to be hard for the same reason. The Black Creek beds along the belt where they appear above water level, and for some distance to the eastward of where they pass under the Peedee formation, should furnish abundant supplies of water, in most cases potable, but in places rather high in iron salts. The Patuxent beds in the western part of the county at depths of 80 to 100 feet, or more; and for several miles eastward of where they pass under the Black Creek formation at increasingly greater depths should furnish supplies of soft water of excellent quality. Flowing wells can be expected only in the lowlands bordering the streams.

COUNTY.

Yield per minute.		How obtained at surface.	Use.	Geologic horizon and character of water-beds.	Remarks.
Flow— gallons.	Pump— gallons.				
				Miocene.	Three other wells, 40 to 100 ft. in depth.
		pump.	domestic.	Miocene?	
				Peedee formation.	
		pump.	domestic.	Peedee formation; gravel?	
				Peedee formation.	
				Peedee formation.	
				Miocene?	
				Black Creek formation?	
				Peedee formation.	
	40	steam pump.	boiler and mfg. of ice. boiler.	Black Creek formation?	Another similar well, the two pumped together. See water assay No. 157, table 1, pp. 500, 501.
	abundant supply.	rotary pump. flows.	mfg. of beverages.	Black Creek formation?	
25		flows.	mfg. of beverages.	Black Creek formation.	Another horizon at 40 ft. See water assay No. 158, table 1, pp. 500, 501.
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25		flows.	mfg. of beverages.	Black Creek formation.	Another horizon at 40 ft. See water assay No. 158, table 1, pp. 500, 501.
		flows.		Peedee formation.	