

tained from sand beds in the Black Creek formation at from 70 to 120 feet below the surface. Three of the deep wells at this place overflow, the strongest at the rate of 8 gallons per minute. At Ivanhoe a flowing well 70 feet deep yields a ferruginous water (see assay, Table 1) from a calcareous layer in the upper part of the Black Creek formation. At Alpine flows are obtained at depths of 80 to 100 feet. There is one flowing well at Delta. At Thomas several wells yield water from the Black Creek formation.

Flows probably from the Patuxent formation occur at Shady Grove and Newton Grove. The elevation of these places is about 150 feet above sea level. The water is reported to contain considerable iron, and in some cases a slight odor of hydrogen sulphide is detected.

Assays and one analysis of waters from this county are given elsewhere in this report, as follows: Table 1, pp. 502, 503, assays Nos. 168-174; Table 2, pp. 506, 507, analysis No. 50. These are discussed on page 490.

Artesian Prospects.—The Patuxent and Black Creek formations should yield an abundant supply of water over the entire county at depths ranging from 40 to 300 feet. Overflows are possible only in the lowlands bordering the streams. On the higher level land away from the streams the same water-bearing horizons will be encountered at correspondingly greater depths, the water in most cases rising within reach of common suction pumps.

COUNTY.

Yield per minute.		How obtained at surface.	Use.	Geologic horizon and character of water-beds.	Remarks.
Flow— gallons.	Pump— gallons.				
4-5	-----	flows.	domestic.	Black Creek formation; limestone.	See water assay No. 172, table 1, pp. 502, 503.
8½	-----	flows.	domestic and turpentine still.	Black Creek formation; sand.	See water assay No. 168, table 1, pp. 502, 503.
2½	-----	flows.	domestic and turpentine still.	Black Creek formation; sand.	
8	-----	flows.	domestic and turpentine still.	Black Creek formation; sand.	
11	-----	flows.	domestic.	Black Creek formation; sand.	
14	-----	flows.	domestic and turpentine still.	Black Creek formation; sand.	
2½	-----	flows.	domestic and turpentine still.	Black Creek formation; sand.	See water assay No. 169, table 1, pp. 502, 503.
2½	-----	flows.	domestic and turpentine still.	Black Creek formation; sand.	
2	-----	flows.	domestic and turpentine still.	Black Creek formation; sand.	
2½	-----	flows.	domestic and turpentine still.	Black Creek formation; sand.	
6½	-----	flows.	domestic and turpentine still.	Black Creek formation; sand.	See water assay No. 174, table 1, pp. 502, 503.
1½	-----	flows.	domestic.	Black Creek formation; sand.	See water assay No. 173, table 1, pp. 502, 503.