

Eocene and Miocene beds within the limits of the county, and it is probable that they exist in places as thin sheets intervening between the Cretaceous and the overlying Pleistocene beds. Nothing definite, however, is known concerning them.

Water Resources.—The average depth of the open and driven wells is from 20 to 30 feet. The former range from 10 to 20 feet and the latter in but few cases exceed 30 feet. The water comes from the lower sandy portions of the Pleistocene formations. It is upon these shallow open and driven wells that the majority of the inhabitants of the county depend for their water supplies. A few driven wells in the northwestern part of the county reach depths of 40 or 50 feet, probably penetrating the underlying Patuxent beds. Small springs are frequent along the stream bluffs and escarpments; but little use is made of them.

At a few places where the Black Creek formation lies close to the surface, open wells have penetrated its lignitic portions, which as a rule contain iron sulphide. In such cases the water standing in contact with the iron sulphide soon becomes unfit for drinking purposes. This condition exists at Clear Run, but there the difficulty has been overcome by deeper drilling.

Deep wells have been drilled at a number of places in the county. (See table of well data.) At Clear Run, on a terrace bordering Black River, an abundant supply of soft water (see analysis, Table 2) is ob-

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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	Ivanhoe, 1 mile S. of....	Mrs. Mary C. McMillan.	1898	40±	sea level.	65	1½	65	+ 0
2	Alpine.....	F. R. Corbett.....	1900	18±	level of Black River.	71	1½	70?	+ 0
3	do.....	do.....	1900	18±	level of Black River.	71	1½	70?	+ 0
4	Alpine, ¾ mile from.....	do.....	1897	-----	-----	88	1½	-----	+ 0
5	Alpine.....	J. B. Seavey.....	1906	-----	-----	100	1½	80-100	+ 2
6	Alpine, ½ mile W. of.....	Alpine Turpentine Co., Kerr, N. C.	1905	-----	-----	75	1½	75	+12
7	Clear Run.....	A. J. Johnson.....	-----	18±	level of Black River.	72	1½	-----	+ 0
8	do.....	do.....	-----	-----	level of Black River.	90	1½	-----	+ 0
9	do.....	do.....	-----	-----	level of Black River.	137	1½	120	- 5
10	do.....	do.....	-----	-----	level of Black River.	80	1½	-----	+ 2
11	Thomas.....	J. E. Rich.....	1883	9	level of Great Coharie Creek.	75	1½	75	+ 2
12	Kennedy's Mills, 5 miles W. of Clinton.	J. J. Kennedy.....	1905	12	level of Moccasin Swamp.	44	1½	44	+ 0