

portion of which, where it passed beneath the water, is filled with an abundance of fragile, fragmentary shells, with some perfect though fragile specimens, as follows:

U. S. G. S. LOCALITY No. 4142.

*Exogyra ponderosa* Roemer.

*Trigonia* n. sp. (same as at Snow Hill, N. C.)

*Pecten simplicius* Conrad.

*Anomia* n. sp.

*Cyprimeria depressa* Conrad.

*Corbula crassiplica* Gabb.

Bone fragment.

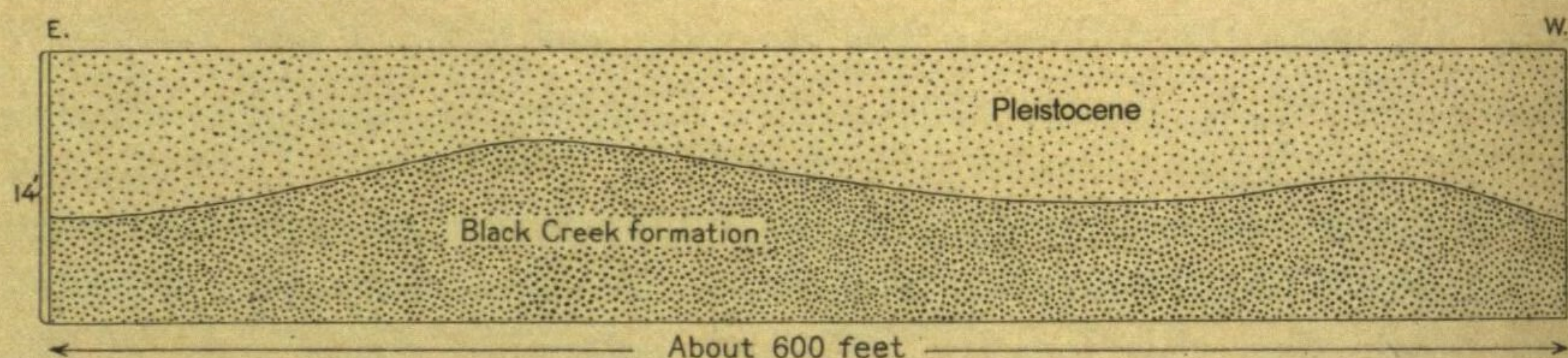


FIG. 13.—Sketch showing the undulating surface of the Black Creek formation overlain by Pleistocene deposits; Contentnea Creek, above milepost 26.

The presence of *Exogyra ponderosa* Roemer and of the *Trigonia* indicates that this horizon should be regarded as occupying a position about the same as that at Snow Hill.

Tar River exhibits the beds of the formation interruptedly from near Parker Landing, 12 miles above Greenville, to Randolph Landing, 6 miles above Greenville, Winterville quadrangle. (See sketch map of Tar River, Fig. 7, p. 101.)

The first exposure to be seen in descending the river is at a low bluff about one-fourth mile above Parker Landing. Here the Black Creek beds, which consist of dark to black laminated, lignitic clays, with fine micaceous sand partings, containing iron sulphide concretions, rest with unconformable relations upon Patuxent beds. A detailed section is given on page 103.

The next occurrence is about one-eighth mile below Parker Landing. At the base of this section a few feet of Patuxent clay appears above the water, overlain by several feet of poorly exposed Black Creek materials. These consist of laminated, dark to black clay, with partings and thin layers of micaceous sand, containing an abundance of lignite in the form of seams and comminuted particles, iron sulphide concretions, and occasional small pieces of amber. In certain of the layers and seams plant remains occur in considerable numbers. The forms listed below were collected:

*Araucaria bladenensis* Berry.

*Araucaria Jeffreyi* Berry.

*Chondrophyllum Nordenskioldi* Heer.

*Eucalyptus Geinitzi* (Heer) Heer.

*Sequoia Reichenbachii* (Gein) Heer.

*Malapoenna horrellensis* Berry.

*Myrica cliffwoodensis* Berry.

*Sequoia minor* Velen.

*Cephalotaxospermum carolineanum* Berry?