

Survey superintended the study of the Cretaceous invertebrate fossils collected by Dr. Stephenson and made many valuable suggestions during the progress of the work.

Dr. Miller has incorporated numerous sections and other data relating to the Tertiary from the field notes of Dr. Stephenson. He has also received much aid as a result of the laboratory study of the molluscan fossils by Miss Julia A. Gardner of the Johns Hopkins University. The very extensive Mio-Pliocene faunas have entailed a prolonged study by Miss Gardner, which is not yet completed, and which when finished will form part of a contemplated series of reports dealing in detail with the geology and paleontology of the Coastal Plain portions of the State, in which the several contributors whose names have been already mentioned, as well as other specialists, will participate.

The third chapter embraces a discussion of *The Geological History of the Coastal Plain of North Carolina*. The geological events which transpired in North Carolina during the building of the Coastal Plain series of deposits are discussed in the light of the entire Coastal Plain district.

The fourth and last chapter of Part I deals with *The Correlation of the Coastal Plain Formations of North Carolina*, comparisons being instituted with the known horizons in adjacent States, as well as with the recognized series in the Gulf, and even in some instances in Europe. This chapter has been prepared by Professor Clark.

Part II deals with *The Water Resources of the Coastal Plain of North Carolina*, and consists of an extended discussion of the character of the underground water supplies and the superficial waters where used as municipal supplies. The material for this chapter was collected by the authors, Messrs. Stephenson and Johnson. The assembling of this data was made possible through the coöperation of municipal authorities, municipal water companies, well owners, and drillers throughout the region. This portion of the report is also accompanied by a chapter on *The Quality of Some Waters of the Coastal Plain of North Carolina*, by Horatio N. Parker, in which analyses are given of many of the principal waters.

Thanks are especially due to the United States Geological Survey, in coöperation with whom this investigation has been conducted. This report is one of a series being prepared by the Federal and State Surveys on the geology and water resources of the Coastal Plain, under the supervision of a joint committee of which Dr. William Bullock Clark is chairman. Dr. T. Wayland Vaughan of the United States Geological Survey is supervising geologist of the entire work.

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