

The localities of these springs are indicated upon the Map; none of them can be supposed to have such decided medicinal properties, as that mentioned in a preceding report to occur at the Berren spring, in Somerset county; the last being a strong chalybeate.

## II.

### *Geological examination of the shores of the Potomac in Prince George's and Charles counties, Maryland.*

In carrying on the examinations for the Western Shore of Maryland, it was found necessary likewise to deviate from the directions laid down in the Act of the last General Assembly, namely, "to commence with the southern division of the state, and to progress regularly with the course of the waters of the Potomac, &c." As the main object embraced in the duties of the Geologist, so far as this division of the state is especially concerned, is to discover and bring to light its *agricultural* resources, it was deemed advisable, more effectually to do this, to proceed in the first place to ascertain the probable continuation of the marl deposite south of those places on the Potomac where it had been previously observed, and to trace its extent from the more to the less accessible spots on which it would be found to occur. The success that has accompanied this mode of proceeding has exceeded the most sanguine expectations, and justifies the belief that it has been the correct one. The result of this examination will be stated under its appropriate head.

The accompanying Map B. is intended to convey an idea of the topography and geology of those portions of Prince George's and Charles counties, that lie on the Potomac. It does not purport to be an exact delineation of the geography of the country, no surveys having as yet been made of it; but even in this respect it will be found more accurate, and by its execution doubtless more satisfactory, in representing the true character of the country, than the flat maps hitherto resorted to. As on Map A, which refers to the topography and geology of a portion of the Eastern Shore of Maryland, there is indicated upon it the most prominent conditions of the soil, the principal localities of the various kinds of marl, and every mineral characteristic or other resource so far determined to appertain to the country. The result