

having been deposited in the river valleys, etc., after they had been cut down to about their present levels. In fact this ash is almost at the very surface, the grass roots being often in it. The layer is very even, except where it has been washed down from the hillsides into the valleys, and it evidently fell very gently, as snow might. It has an average thickness of from three to six inches, increasing to the north-west.

#### MAP.

In connexion with the map of this district, it should be said that, as the work was somewhat rapidly done, no attempt at elaborate detail has been made. To accurately differentiate and map the various formations would require a great amount of work. Towards the north, outcrops are very scarce, hence it was difficult to assign exact geological boundaries to the different formations. However, the map probably indicates the different geological horizons accurately enough for the present needs of the district.