

hills which overhang the vale of Belvoir. In Rutlandshire, it extends within two miles on the east of Uppingham,\* a broad interval between the edge of the great oolite and the lias, being occupied by the subjacent sands.

From the neighbourhood of Uppingham, the junction of the great oolite and sands appears to range by Rockingham to Kettering; hence a narrow tongue of the great oolite proceeds south-west towards Northampton, on the north-east of which town it forms some well defined hills between Weston Favel, Kingsthorpe, and Boughton, but in many of the intermediate points its course is very obscure; appearing, as it were, entangled among the subjacent sands which occupy a broad denuded tract on both banks of the Nen, but particularly on the north, between Peterborough and Higham Ferrers. On the south of this denudation, the great oolite, skirting round Higham Ferrers, proceeds along the summit of the hills hanging over the right bank of the Nen (not however quite extending to their escarpment), and ranges about a mile south of Northampton. It thence passes a little on the south of Blisworth Tunnel on the grand junction canal; but there occurs a detached portion of it considerably to the north of this line on the east of the road from Northampton to Althorp, extending from Duston to the edge of Lord Spencer's park. This oolitic tract is not in the regular and elevated plane of that stratum, but appears to be a vast subsided mass, being situated at a considerably lower level than the hills of the red sand (inferior to the oolite in regular geological position) which overhang the town of Northampton; particularly Hunsborough hill, distinguished by its ancient circular camp: yet it is clearly identified by its characters and fossils with the oolitic beds which occur on the summits and backs of these very hills, in their regular and undisturbed position. The exact boundaries of this insulated oolitic tract are often obscure; as far as it was possible to trace them in a single examination, they are correctly indicated in Mr. Greenough's Map.

West of Blisworth Tunnel, the oolite advances to the north as far as *Stowe-vine-churches*; but a considerable denudation again exposes the subjacent sandy strata in the neighbourhood of Towcester, round which town the inferior edge of the great

\* The colour of the inferior oolite and sands in Mr. Greenough's Map is here in some copies carried too far to the east; but the dotted lines are correct, or nearly so.

† The lines of junction given in this part of Mr. Smith's Map are purely imaginary. Mr. Greenough's exhibits a near approximation to correctness; absolute correctness could, from the obscurity of the ground, be attained only by an observer long resident in the county.