

are obviously the work of ordinary denuding agencies on a broader area of Greensand. It is, however, at first sight somewhat surprising, to meet with a small outlier of Upper Greensand, only a few acres in extent, nearly fifty miles to the west of Black Down, at Orleigh Court, three miles south-east of Bideford Bay. This patch is mentioned by De la Beche, in his Report on the Geology of Cornwall, Devon, and West Somerset, and of late its existence as a solid outlier has been doubted. There is, however, so much angular chert on the spot, that sufficient material remains to show that the Greensand once spread westward so far, and in my opinion probably much farther.

Throughout these areas, the Upper Greensand may be briefly described as consisting of yellowish brown sand, partly compact, partly soft, with layers and detached pieces of chert, and towards the base it is partly green with specks of silicate of iron. The sands are often coarse, and contain layers of shells, frequently broken and fragmentary. The whole is little more than 200 feet in thickness.

East of Lyme Regis, this Greensand appears near Abbotsbury, on the southern and western flanks of the Chalk Downs at Whitehill. West of Chideock outlying patches lie on the marlstone of the Middle Lias, between Chideock and Bridport on the sand that underlies the Inferior Oolite, at Abbotsbury Castle on the Forest Marble, and from thence stretching north and west, at Shipton Beacon they lie on the Fuller's Earth. Beyond this the Cretaceous strata make a great curve east of Poorstock and Beaminster, lying generally on the Fuller's Earth. East of Cheddington, for some miles the Greensand lies on the Oxford Clay, then for a short space on the sand of the Calcareous