

CHAP. XV.

On the elevated submarine Alluvia.

THE subject of the present chapter is so intimately connected with that of the following one, that had it not been for the novelty of these views, and the unwillingness of geologists to receive an arrangement of what they have so long misunderstood, I should have united it to that one, and thus given a general theory of all the deposits of this nature which are later than the chalk, and which have been so confounded under the term tertiary. But I have another reason for thus preserving it distinct. It was thus printed long ago in the *Quarterly Journal*; having been separated from the latter on account of the length of the whole; thus enabling others to profit by those views, in claiming as a recent discovery, what was also written many years before it was printed, including the theory of the most difficult of the tertiary strata, as well as of the latest revolutions of the earth.

As it now stands, it therefore proposes to distinguish this particular case of strata, or deposits, from those which are found in basins, be they marine or lacustral, or both united; as it furnishes the special evidence for the following views of the most difficult of these: showing, namely, that some of the basin-shaped deposits have been elevated to their present positions by analogous causes. And, as portions of the bottom of the present ocean, they require to be separated, if we are really desirous that Geology shall not continue to be a disgraceful chaos. It is by considering causes, not facts alone, that this science has already become what it is, in distinguishing the