

1. CONT'D

3. All the remaining samples are, in their essential characteristics, similar to each other. They are fine to medium-grained argillaceous sands containing small amounts of feldspar, mica, chert and carbonate in their detrital fraction. Fine-grained argillaceous lithic material has been squeezed between rigid quartz grains to form 'pseudomatrix'. Pools of coarse (and hence authigenic) kaolinite/dickite are present in all samples. Despite evidence of compaction and authigenesis the rocks contain 5-15% pore space.

A detailed description of sample 8358' has been given, together with somewhat less detailed accounts of other rocks in this group.

2. HAND SPECIMENS

With the exception of the dolomitised rock (9496') all the samples are pale, grey sandstones and can conveniently be described together. Variations in grain size are the most evident differences, and samples 10062' and 10072' are distinctly coarser than the rest of the rocks. Despite this variation all the samples are within the very fine sand to coarse sand grade range.

Bedding in sample 9924' is delineated by thin laminae of brown sand regularly spaced within the predominant grey material. This is somewhat exceptional as all the other samples are more massive and have sub-parallel wisps and lenses of very dark material. Thin section examination has shown that these are microstylolites; they are especially abundant in sample 9488'.

All these sandstones are slightly friable.

Sample 9496' is a compact, completely massive and homogeneous rock which is darker in colour than the sandstones. It has a medium to fine sand grade size range.