

UNPUBLISHED REPORT 1966/14

## **Samples from Bass Strait Bore No. 9 (5540–5550 feet)**

*by G. B. Everard*

The hand specimen is a pale coloured, much altered rock. The outer surface is very rough due to small, knobby prominences of carbonate, which are little affected by cold concentrated acid, but effervesce freely on warming. The general texture is porphyritic, consisting of numerous altered crystals with hexagonal and stubby lath-like outlines in a very fine grained matrix.

In thin section the matrix consists of fine grained silica and chalcedony, together with much opaque white material, possibly very fine-grained clay minerals, with occasional small irregular veinlets and bunches of yellowish carbonate.

The phenocrysts consist of chalcedonic silica and carbonate.

Indications of flow structure are observable in the hand specimen, but in thin section these are obscured by the large amount of opaque material present.

The specimen is possibly an altered trachytic rock.

*[25 May 1966]*