

## Section 1 — Economic and General Geology

TR10-10-11

### 1. WYNYARD BRICK COMPANY'S CLAY DEPOSIT, QUIGGINS ROAD

by V. M. Threader

On the 19th January I re-visited the varved clay deposit on Quiggins Road, Wynyard, reported on previously (Threader, 1965).

The company has established a 10 foot quarry face over a distance of about 100 feet in the northern portion of area B, which lies to the west of Camp Creek. The quarry floor is 20-30 feet above creek level.

The beds exposed in the face dip  $30^{\circ}$ - $35^{\circ}$  to the W and NW, i.e. towards the face, so it is estimated that the overburden to clay ratio will exceed 1:1 at approximately 50 feet ahead of the present face and that at approximately 80 feet the clay will be entirely below present floor level.

Two test pits were excavated on the slopes of the southern position of area B, and it was proven that a quarry face of at least 60 feet could be established there.

The most attractive quarrying proposition is area A, on the east side of Quiggins Road, where access is easier, reserves are greater, and overburden is virtually absent. If this is not available, the present face should be deepened 20 feet or more to a level determined by peak flood level in the alluvial flats. It is further recommended that a face be prepared in advance on the southern portion of the area in readiness for when the present one is mined out. This will not be necessary if the bigger deposit, area A, is available.

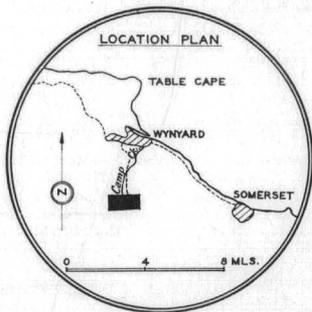
The use of overburden clay of apparently good quality should be considered, provided that the quartzite pebbles and the sandstone bed, which overlies the varved clay, are not considered too deleterious to the plant.

#### Reference

THREADER, V. M., 1965—Brickmaking material near Wynyard. *Tech. Rep. Dep. Min. Tas.*, 9, p. 11.

5 cm

# VARVED CLAY DEPOSIT WYNYARD



SECTION A A'

IMPROVED  
PASTURE

ROUGH WOODED  
AREA

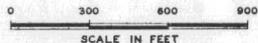
GLACIAL

TILL

OVERBURDEN

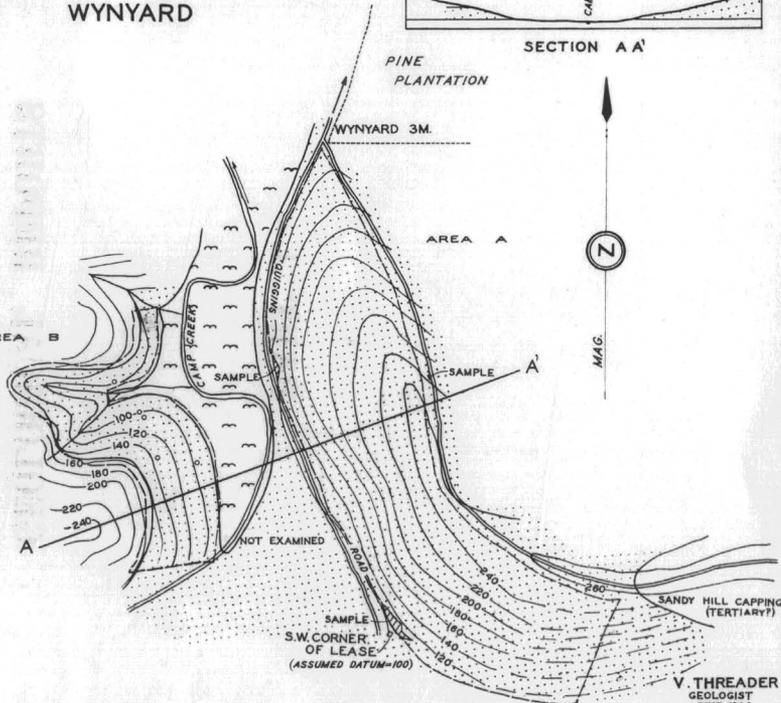
### LEGEND

- ALLUVIUM
- VARVED CLAY
- TEST PIT
- BOUNDARY OF AREA FOR RESERVES CALCULATION



DEPT. OF MINES  
2438-28

SURVEY BY B. KNOX



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