

Slope stability of a building site at Sulphur Creek

S. Elmer

Messrs Harry Oldmeadow & Associates, Architects, of Wilson Street, Burnie have requested an examination of the stability of an area of land in order to determine if it is suitable for building purposes.

The general geological succession in this area is as follows:

<i>Probable thickness (ft)</i>	
0 - 2	black soil
1½	sandy clayey silt with rock fragments
	Rocky Cape Group

At the site the steepness of the slope is approximately 18-25° and it increases uphill from the site. No seepage water was observed. The site is situated on Precambrian rocks of the Rocky Cape Group and therefore appears to be suitable for building purposes. The Rocky Cape Group has a very low landslip potential and does not require special precautions.

REFERENCE

BURNS, K.L. 1963. Geological atlas 1 mile series. Zone 7 sheet 29 (8115N).
Devonport. *Department of Mines, Tasmania.*