

021973-85

Land stability at the J.T. Fieldwick Estate, Kayena, West Tamar.

C.J. Knights

The proposed subdivision [DQ917389] is underlain by Tertiary sediments. In the higher parts of the subdivision these sedimentary rocks are overlain by basanitic dolerite.

There are regions of old landslides within this subdivision, and about 500 m to the north-west, along this hillside a slip has been recently active.

In the Tamar valley, where basalt overlies sedimentary rocks, it is common to find water seepages which reduce slope stability.

RECOMMENDATIONS

Some slopes within the subdivision are up to 15°, and these cannot be recommended for building purposes.

Low density development may be possible on the less steep slopes. Test pits in about six positions should be dug using a back-hoe to investigate the subsurface materials and the groundwater situation to enable precautionary measures to be designed and put into effect.

[5 November 1973]

5 cm

KAYENA ROAD

Lot 3

X Lot 4

existing residence

Right of way

Right of way

Lot 5

Lot 2

Lot 1

Lot 6

TAHAR RIVER RESERVE

Scale 1:1,222

contour - 5m approx

probable old slip

test pits

probable house sites