

Stability of land, 116 Oxford Street, Beauty Point.

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The Under Treasurer, Mr K.J. Binns, has requested an examination of the stability of the land at 116 Oxford Street, Beauty Point in order to determine if another room could be added to the already existing house.

The house is situated on the crown of an old slide and is approximately 25 ft from the scarp. The slope of the ground ranges from 2-3° where the house is located to 25-30° on the scarp in front of the house. The soil consists of silt and clay with minor sand and gravel. The concrete foundations of the house have cracked in a few places and a separation of up to 1 cm horizontally in one crack indicates movement towards the scarp face. No other indications of movement were observed, but after heavy rainfalls some erosion is occurring on the steep slope in front of the house. The erosion should be prevented as much as possible, and consequently trees and grass should not be removed from the scarp or the area between the house and the scarp.

It is very difficult to predict if the house will undergo movement in the future, but a new room of weatherboard construction should not critically alter the loading of the slope or influence the water content of the sediments. Therefore a new room could be added to the house without significantly increasing the danger of slipping. Slight erosion of the scarp is active and must be prevented if the stability of the block is not to deteriorate.

REFERENCE

JENNINGS, I.B. 1963. Slope stability at Beauty Point. *Tech.Rep.Dep.Mines Tasm.* 8:92-99.

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