

**TASMANIA DEPARTMENT OF MINES
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Slope stability of land at Rostella Road, Dilston

by W. R. Moore

The property named *Bedgeburye*, at lot 1 Rostella Road, Dilston, was visited on 12 June to investigate the stability of the property.

The block comprises two separate topographic units, a flat terrace on which the house is situated, and a steep slope down to the River Tamar. It is on the steep slope and along the terrace margin with this slope that old landslides and active downslope movements are known to occur along the west side of Rostella Road.

When this section of Rostella Road was subdivided, with blocks adjoining the River Tamar with the terrace and the steep slope as on Lot 1, a buffer zone behind which building was permitted was recommended to the Lilydale Council. This buffer zone was situated along the edge of the terrace bordering the steep zone. No building should be sited in it or on the steep slope itself.

The house on this lot is situated approximately 45 m back from the slope and is outside the buffer zone. No slope failures are likely to affect a house this distance back from the slope's edge.

The existing trees and vegetation should be retained on the slope and drainage should not be directed towards the slope. Excess water, plus the removal of vegetation, could cause landslides on this slope and result in a retreat of the edge of the terrace towards the house. If the existing conditions are maintained slope failures are unlikely to occur and the present position of the edge of the terrace and slope is unlikely to move.

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