

**TASMANIA DEPARTMENT OF MINES
UNPUBLISHED REPORT 1975/82**

INSPECTION OF A PROPERTY AT DEVIOT

by C. J. Knights

The geology of a property located between the River Tamar and Deviot Road, 100 m south of the junction with Deviot Motor Road, was examined. The property covers 1.147 hectares.

Red and grey plastic clay which is fissured occurs at the shore. Outcrop of bauxite and iron cemented sand, overlying grey clay, occurs 55 m to the south on the beach. These dip 45° north at about 7°. A further 65 m south is dolerite rock. Basalt occurs on a neighbour's property to the north.

A gully marks the southern boundary of the block and this has been affected by landslips which extend to within 18 m of the house. These landslips are localised around the sides and head of the gully and it is reported that they were activated by water from a council road culvert, which has now been relocated to run over the shallow-sloping northern property boundary.

Along the river shore is a slip which extends to within 40 m of the house. It is reported that this slip has not moved for some years. Trees have been planted to help secure the unstable land and there is a discontinuous erosion barrier at the shoreline.

At present the whole block is recommended to be proclaimed as an 'A' landslip area (*Local Government Act, No. 2, 1973*). The stability of the area could be improved by certain procedures and if these were carried out it would be possible to recommend that a major part of the property be upgraded to a 'B' landslip area.

The procedures are:

1. Road drainage and stormwater drainage be piped direct to the foreshore. These pipes should lie on the ground surface and be periodically checked for damage.
2. Any erosion at the shore will further steepen the land and decrease stability, therefore effective erosion barriers are required.
3. Trees must be retained, especially near the shore.

Those areas which can be recommended as a 'B' area if the above procedures are carried out are shown on Figure 1.

[25 March 1975]

SKETCH MAP OF PROPERTY OWNED BY MR GREEN — DEVIOT



'A' LANDSLIP



CURRENTLY 'A' LANDSLIP CAN BE MODIFIED TO 'B'

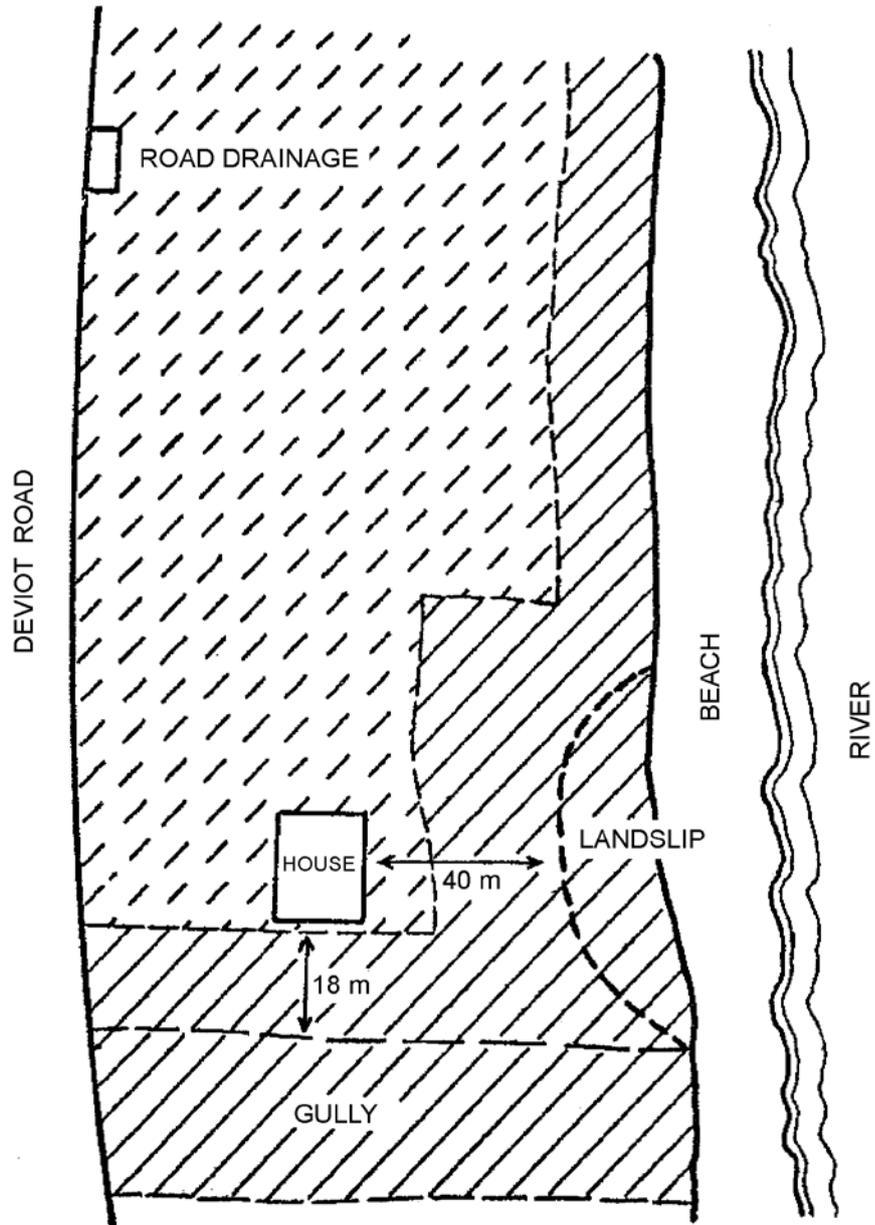


Figure 1