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PENGUIN AREA - ADVISORY LANDSLIDE ZONING

Scale: 1:12 500
0 500 1000 1500m

This map was developed from Mineral Resources Tasmania Plan No 2811 (WLM 1964), the Land Stability Mapping Project map Ulverstone - Kindred (RCD 1996) and mapping by M. Latinovic November 2000.

The advisory zones were developed using a generic three class model. This model is based on concepts developed in the production of the earlier advisory maps, and does not reflect methodologies developed for more recent advisory zone modelling in post Thredbo Inquiry.

Reference should be made to the Mineral Resources Tasmania Land Stability Mapping Project map Ulverstone - Kindred for specific land slide information.

Note:
1: Where Zone I is not shown as directly associated with any other zones on the map, there is a probability (in many cases) that land with similar characteristics and risks to that in Zones III and Zone II exists, up slope and down slope respectively, adjacent to the Zone I area. For this reason, a site specific assessment by a recognised geotechnical consultant is recommended for any works to be carried out adjacent to a Zone I area.

2: Where specific advisory zone information does not exist, landslide status information from the Land Stability Mapping Project map Ulverstone - Kindred has been compiled to highlight landslide features outside the specific advisory zones.

ADVISORY LANDSLIDE ZONING

Zone I - Areas of active land movement and/or slopes, which are considered to be unstable with increased development. It is recommended that building and development should be restricted in these areas. If any building is allowed, it should be subject to a satisfactory report from a recognised geotechnical consultant, and special building requirements should be incorporated into any design, construction or long-term activities at the site concerned, to ensure long-term stability.

Zone II - Areas of doubtful stability, which may become unstable if proper precautions are not taken before development is approved. Special drainage precautions are necessary and care should be taken so as not to oversteepen existing slopes. A site specific assessment should be obtained from a recognised geotechnical consultant prior to commencement of any works.

Zone III - These areas could be activated by excessive removal of material from the toe area of large rotational landslides or from steep slopes with thick soils, in combination with poor drainage practices in the heel zone (i.e. the upper part of the slope). If undisturbed, they should be stable. A site specific assessment by a recognised geotechnical consultant is recommended before commencing any work in affected area.

Specific advisory zone information does not exist for these areas. Landslide status information from the Land Stability Mapping Project map Ulverstone - Kindred has been compiled to highlight the following landslide features which exist outside the specific advisory zones:-
Landslides with morphological features that are typically subdued and have been modified by erosional processes. They probably developed under different climatic conditions thousands of years ago and are commonly considered as dormant features but have potential for re-activation.

Areas with morphological features suggestive of fossil landslide activity. Their origin may possibly be attributable to geological controls (lithology, structure, etc.) rather than mass movement processes. A site specific assessment by a recognised geotechnical consultant is recommended before commencing any work in these areas.

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Digital base information from Information and Land Services, Department of Primary Industries, Water and Environment. Cadastre data as at April 2003.

Map produced January 2001 by Data Management Branch, Mineral Resources Tasmania using G.I.S. software. AGD66 - AMG Zone 55. Contour interval: 10 metres.

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