

ENGINEERING GEOLOGY LAND STABILITY MAP SERIES



STANLEY - SMITHTON

SCALE 1:25 000



AGD68 - AMG Zone 55. Contour Interval: 10 metres.

DECEMBER 1998

LANDSLIDE STATUS

- RECENT - ACTIVE** Landslides with morphological features (headscarp, flank and toe) that are commonly fresh and easily recognizable. Frequently these landslides are either moving or are regarded as being recently moved.
- ANCIENT (FOSSIL)** 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 reactivation.
- POSSIBLE** Areas with morphological features suggestive of fossil landslide activity. Their origin may possibly be attributable to geological context (lithology, structure, etc.) rather than mass movement processes.

GEOLOGY

- Tertiary basalt.
- Permian sediments.
- Other geological units.

SLOPE CLASSIFICATION

- 11-19 (degrees).
 - > 20 (degrees).
- Note: 0-12 (degrees) not indicated.

Landslide mapping by R.C. Donaldson, M. App. Sc.
 Geological information for the northern half of this map is derived from 1:250 000 digital geology of Tasmania (August 1998) and is indicative only when presented at 1:25 000 map scale.
 Digital topographic and contour information from Information and Land Services Division, Department of Primary Industries, Water and Environment. Contour boundary information located in grey on 4 April 2003.
 Slope classification derived from Information and Land Services Division, Department of Primary Industries, Water and Environment digital contour data.
 Map Edition 11 produced December 1998 by Data Management Branch, Mineral Resources Tasmania using G.I.S. software. Revised July 2003.
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This map series portrays simplified bedrock geology, known and inferred landslides, proclaimed landslide areas and a slope classification model. The slope classification serves as an indication of relative potential landslide hazard that is based on the author's professional judgement and experience from landslide mapping along the NW coast of Tasmania.
 The map is intended as a general guide only to the land stability of the area at the publication scale of 1:25 000. The hazard assessment provided is a model based on available information that could change in the course of time as more information becomes available or different hazard recognition techniques are used. The map should not be used as a substitute for detailed site specific investigations appropriate for subdivisions and building sites etc.

While every care has been taken in the preparation of this map, no warranty is given as to the correctness of the information and no liability is accepted for any omission or error or for any loss or damage, however caused, in reliance on the map or any information derived therefrom. The map is provided as a guide only and should not be used as a substitute for detailed site specific investigations appropriate for subdivisions and building sites etc.

