ENGINEERING GEOLOGY LAND STABILITY MAP SERIES

MAY 1998

MINERAL RESOURCES TASMANIA

Tasmania

DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES

TASMANIAN GEOLOGICAL SURVEY

LAND STABILITY HAZARD MAPPING PROJECT

BURNIE - STOWPORT

SCALE 1:25 000

0 500 1000 1500 2000 2500m

AGD66 – AMG Zone 55. Contour Interval: 10 metres.

LANDSLIDE STATUS

RECENT - ACTIVE: Landslides with morphological features (headscarp, flanks and toe) that are commonly fresh and easily recognisable. Frequently these landslides are either moving or are regarded as having 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 re-activation.

POSSIBLE: 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.

ADVISORY LANDSLIDE ZONING

Landslide zone map delineating areas of unstable land in terms of landslide risk and urban development potential. Intended for general purposes only. (Original maps puplished 1963 - 74. Revised edition 2001)

Advisory landslide zoning boundary.

While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. The State of Tasmania and its employees, contractors and agents and the Crown in right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data.

GEOLOGY

Tertiary basalt.

Permian sediments.

Other geological units.

SLOPE CLASSIFICATION

13-19 (degrees).

> 20 (degrees).

Note: 0-12 (degrees) not indicated.

This map series portrays simplified bedrock geology, known and inferred landslips, proclaimed landslip areas and a slope classification model. The slope classification serves as an indication of relative potential landslip hazard that is based on the author's professional judgement and experience from landslip 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.

Landslide mapping by R.C. Donaldson. M. App. Sc.

Geological information derived from 1:250 000 digital geology of Tasmania (August 1996) and is indicative only when presented at 1:25 000 map scale.

Digital topographic and cadastre information from Information and Land Services Division, Department of Primary Industries, Water and Environment.
Cadastre boundary information (depicted in grey) as at April 2003.

Slope classification derived from Information and Land Services Division, Department of Primary Industries, Water and Environment digital contour data.

Map (Edition 1) produced June 1998 by Data Management Branch, Mineral Resources Tasmania using G.I.S. software. Revised July 2003.

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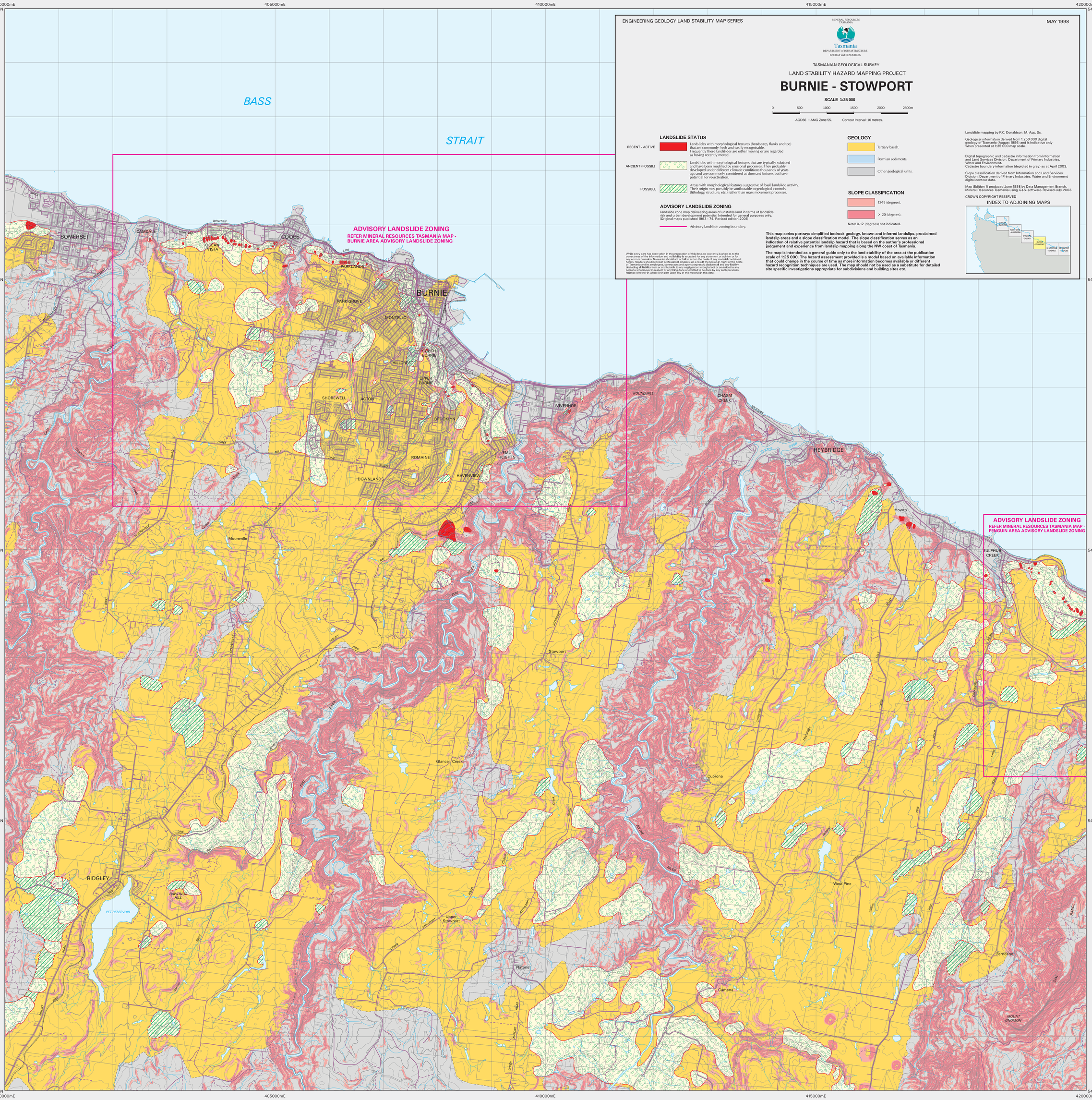
INDEX TO ADJOINING MAPS



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