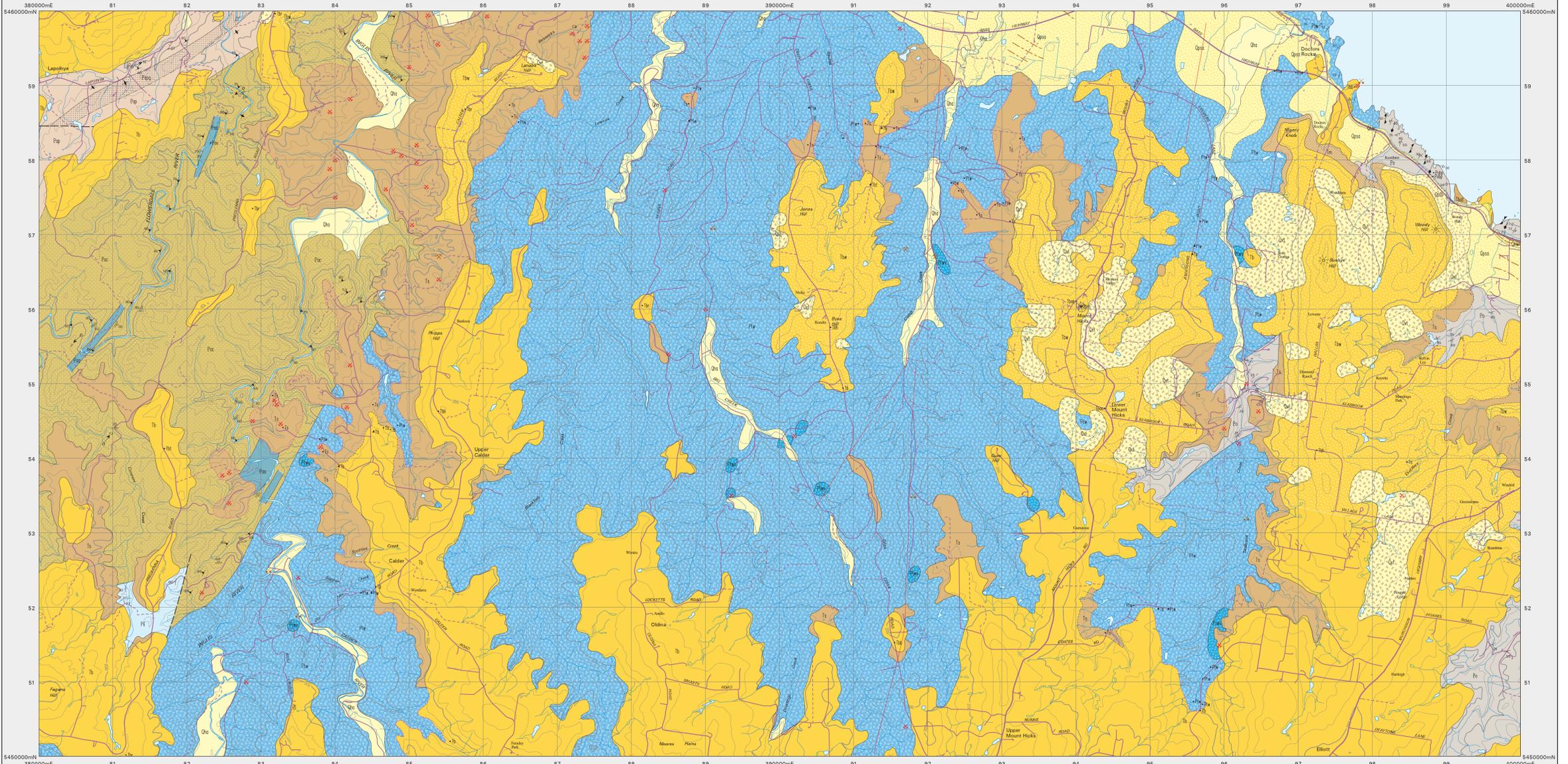


CALDER

Scale: 1:25 000



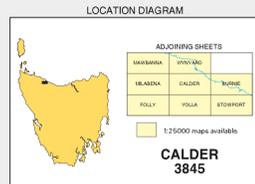
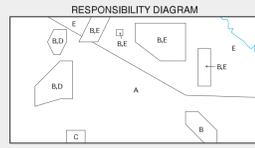
| QUATERNARY | |
|----------------------------------|--|
| Qhm | Man-made deposits (Qhm). |
| Qhb | Beach sand (Qhb). |
| Qha | Stream alluvium, swamp and marsh deposits (Qha). |
| Qhar | Sand of stabilised longitudinal beach ridges (Qhar). |
| Qht | Landslide deposits predominantly derived from weathered Tertiary rocks (Qht). |
| Qpo | Older alluvium of river terraces (Qpo). |
| Qpsa | Older sand, gravel and clay on coastal plains (Qpsa). |
| Qpsb | Talus derived from Tertiary basalt (Qpsb). |
| TERTIARY | |
| Tba | Predominantly deeply-weathered basalt (Tba). |
| Tb | Basalt (Tb); olivine tholeiite (Tb1); transitional olivine basalt (Tb2); alkali olivine basalt (Tb3); basaltite (Tb4); basanite (Tb5) and rhyolite trachyte (Tb6) indicated. |
| Tbot | Basaltic pyroclastics (Tbot). |
| Tca | Calcareous sandstone and calcarenite with Lower Miocene / Upper Oligocene marine fossils (Table Cape Group) (Tca). |
| Ts | Sand and gravel deposits (Ts). |
| Unconformity, usually low-angle. | |
| PALAEOZOIC | |
| Pt | Grey poorly bedded siltstone, mudstone and fine-grained sandstone, with calcareous beds of oil shale near base, and marine fossils toward top (Anglic Siltstone) (Pt). |
| Ptw | Tillite, rhythmic claystone and lithic sandstone with dropstones (Ptw) areas with varves indicated (Ptw) (Ptw - Wykyard Tillite). |
| Angular unconformity. | |

| PRECAMBRIAN | |
|-------------|---|
| Pap | Phyllite with minor pelitic schist and foliated quartzite (Pap); units of foliated quartzite indicated (Papa). |
| Ppc | Dominantly chloritic schist with minor pelitic schist, phyllite and dolomite (Ppc); units of amphibolite indicated (Ppa). |
| Po | Quartzite turbidite sequence of sandstone, siltstone and well-bedded black silty mudstone (Burns Formation) (Po). Possible pillow basalt indicated (Ppa). |

| | |
|--------------|--|
| — | Geological boundary - position approximate. |
| - - - | Geological boundary - inferred. |
| - · - · - | Transitional geological boundary - position approximate. |
| - · - · - | Geological boundary - inferred from airborne radiometric data. |
| - - - | Fault - position approximate. |
| - · - · - | Lineament visible on airborne magnetic data. |
| - - - | Trends of relief beach ridges related to compressive strandlines of Last Interglacial Stage. |
| (white line) | Limit of mapping of sub-unit within undifferentiated rock unit. |

| | |
|-----|---|
| ↘ ↙ | Strike and dip of bedding, facing known - right way up; facing unknown. |
| ↘ ↙ | Strike and dip of bedding, overturned. |
| ↘ ↙ | Strike and dip of compositional layering - dipping; vertical. |
| ↘ ↙ | Strike and dip of cleavage of unspecified type and relative age. |
| ↘ ↙ | Strike and dip of crenulation cleavage. |
| ↘ ↙ | Strike and dip of cleavage, relative local age S1-S4. |
| ↘ ↙ | Trend and plunge of minor fold hinge line, relative local age F1-F4. |
| ↘ ↙ | Trend and plunge of mineral elongation lineation. |
| ↘ ↙ | Strike and dip of metamorphic foliation other than cleavage - dipping; vertical. |
| ★ | Possible eruptive centre. |
| ▲ | Notable small outcrop. |
| ▲ | Notable float occurrence. |
| ⊗ | Mineral deposit location - hardrock - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case. |
| ⊗ | Mineral deposit location - alluvial - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case. |
| ⊗ | Construction materials location - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case. |

Compiled by J.L. Eward 2004 from the following sources (see responsibility diagram):
Geological Atlas 1:25000 Series, sheet 28 (8015N), Burnie, Tasmania Department of Mines.
B. Revised by limited ground traverses and geophysical interpretation (J.L. Eward).
C. Additional information from: POLTOCK, R.A. 2002. Ground truthing, aeromagnetic and radiometric features, northern Tasmania. Tasmania Geological Survey Record 2002/25.
D. Additional information from: MCKIBBEN, J. and MATTHEWS, W.L. 1996. Resource assessment of the Calder-Portonville gravel pits. Tasmania Geological Survey Record 1996/11.
Updated by:
E. C.R. Calder and J.L. Eward 2006. Field checking and revision of geology as part of the Northwest Landslide Hazard Project.



REFERENCE THIS MAP AS:
EVERARD, J.L. (compiler) 2004. Digital Geological Atlas 1:25000 Series, sheet 3845 Calder, Mineral Resources Tasmania.
Base data from the LIST, Copyright State of Tasmania.
Map produced by the Data Management Branch of Mineral Resources Tasmania using GIS software.
A0106 - AMG Zone 55. Contour Interval: 20 metres.
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. Readers should consult professional advisers. As a result 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. Crown copyright reserved.