Department of Infrastructure Energy and Resources
MINERAL RESOURCES TASMANIA

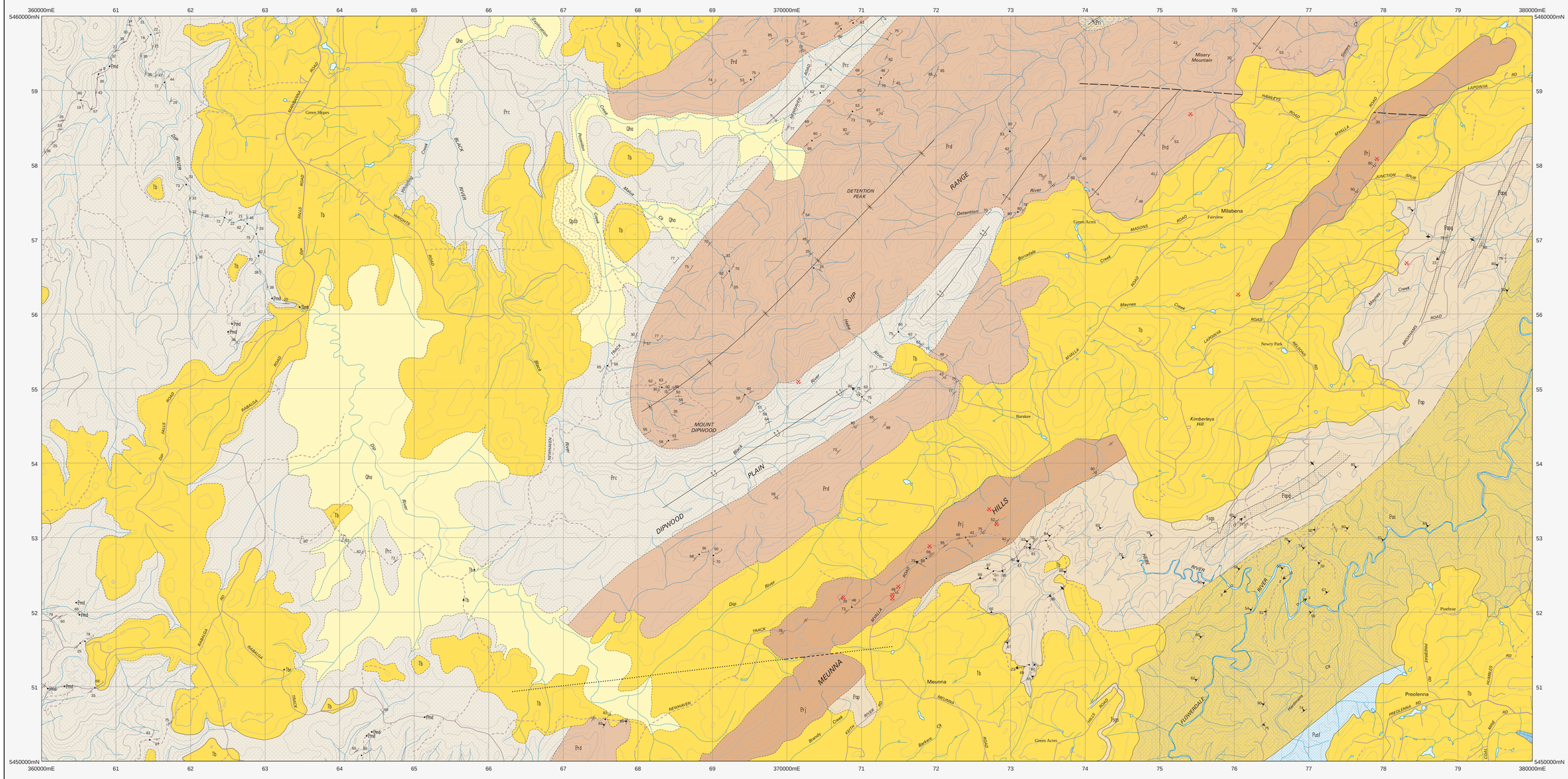
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
MILABENA, SHEET 3645

MILABENA

Scale: 1:25 000

0 500 1000 1500 2000 2500m

Tasmania
Explore the possibilities



CENOZOIC

QUATERNARY

Qha — *Stream alluvium, swamp and marsh deposits (Qha).*

Qptb — *Basalt talus (Qptb).*

Erosional surface.

PLEISTOCENE? – HOLOCENE?

PALEOGENE? – NEOGENE

Tb — *Basalt (Tb).*

Tsgs — *Interbedded siliceous gravel, quartz sand and clay (Tsgs).*

Unconformity, usually low-angle.

PALEOZOIC

CARBONIFEROUS? – PERMIAN

Pusf — *Fine- to coarse-grained sandstone and pebbly sandstone (Pusf) (Flowerdale Sandstone).*

Inferred disconformity.

Ptw — *Interbedded diamictite (including tillite), pebbly mudstone and laminated mudstone (rhythmite), with minor conglomerate and sandstone (Ptw) (Correlate of the Wynyard Tillite).*

Angular unconformity.

MESOPROTEROZOIC–NEOPROTEROZOIC

Prj — *Well-bedded, cross-bedded, mostly medium to coarse-grained orthoquartzite (Prj) (Jacob Quartzite).*

Pri — *Laminated grey siltstone, mudstone and dolomite (Pri) (Irby Siltstone).*

Prd — *Well-bedded, cross bedded, mostly fine grained orthoquartzite and subordinate siltstone (Prd) (Detention Subgroup).*

Prc — *Interbedded, black, dark grey and green, commonly pyritic, laminated siltstone and mudstone, with rare sandstone and mud pellet conglomerate (Prc) (Cowrie Siltstone).*

Transitional metamorphic boundary between Rocky Cape Group and Arthur Metamorphic Complex

Pap / **Papq** — *Phyllite with minor pelitic schist, foliated quartzite and dolomite, and rare conglomerate (Pap). Units of foliated quartzite (Papq) indicated.*

Pac — *Chloritic schist with minor phyllite, dolomite and magnesite (Pac).*

LOWER PARMENEER SUPERGROUP

- Lymingtonian Stage
- Hellyerian Stage

REKOHANA SERIES

ROCKY CAPE GROUP

ARTHUR METAMORPHIC COMPLEX

IGNEOUS ROCKS

CENOZOIC

PALEOGENE–NEOGENE

Tb — *Basalt (Tb). Nepheline hawaiite (Tbnh) indicated. Transitional olivine basalt (Tbr) indicated.*

NEO-PROTEROZOIC

Pmd — *Dolerite dykes (Pmd).*

Geological boundary – position approximate.

Geological boundary – inferred.

Transitional geological boundary – position approximate.

Fault – position approximate.

Fault – inferred.

Fault – concealed.

Inferred axial surface trace of major antiform.

Inferred axial surface trace of major synform.

Inferred axial surface trace of overturned major antiform.

(white line) Limit of mapping of sub-unit within undifferentiated rock unit.

Strike and dip of bedding, facing known – right way up; overturned; facing unknown.

Strike of vertical bedding – facing indicated by single tic; facing unknown.

Strike and dip of cleavage, type and relative age unspecified – dipping; vertical.

Strike and dip of crenulation cleavage.

Strike and dip of compositional layering.

Strike and dip of metamorphic foliation – dipping; vertical.

Strike and dip of metamorphic foliation parallel to compositional layering.

Trend and plunge of minor fold hinge line, unspecified relative age; symmetrical with dip and dip direction of axial surface.

Trend and plunge of minor fold hinge line, relative local age F2, with dip and dip direction of axial surface; symmetrical.

Trend and plunge of mineral elongation lineation.

Strike of vertical kink band – dextral; sinistral; movement sence unspecified.

Notable small outcrop with rock unit indicated.

Notable small float or log occurrence, with rock unit indicated.

Field station for adjacent readings on the map.

Mineral deposit location – hardrock

Construction material/industrial mineral/gemstone location

Data derived from Mineral Resources Tasmania DEPOSITS database. Data point position has not been verified in every case.

Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D., 1998 from the following sources (see Responsibility Diagram):

A EVERARD, J.L., SEYMOUR, D.B., BROWN, A.V. and CALVER, C.R. 1996. Geological Atlas 1:50 000 Series. Sheet 27 (7915N), Trowutta. Mineral Resources Tasmania.

B GEE, R.D. GULLINE, A.B. and BRAVO, A.P. 1967. Geological Atlas 1 Mile Series. Sheet 28 (8015N), Burnie. Tasmania Department of Mines.

RESPONSIBILITY DIAGRAM

A	B

REFERENCE THIS MAP AS:

SEYMOUR, D.B. (compiler) 1998. Digital Geological Atlas 1:25 000 Scale Series. Sheet 3645. Milabena. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.

GDA94 – MGA Zone 55. Contour Interval: 20 metres.

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LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

LILEAH	MAWBANNA	WYNYARD
TAYATEA	MILABENA	CALDER
HOLDER	FOLLY	YOLLA

1:25000 maps available.

MILABENA
3645

Plotfile for this map generated from digital data as at: 20-APR-2011

WARNING: INKS ARE LIGHT SENSITIVE