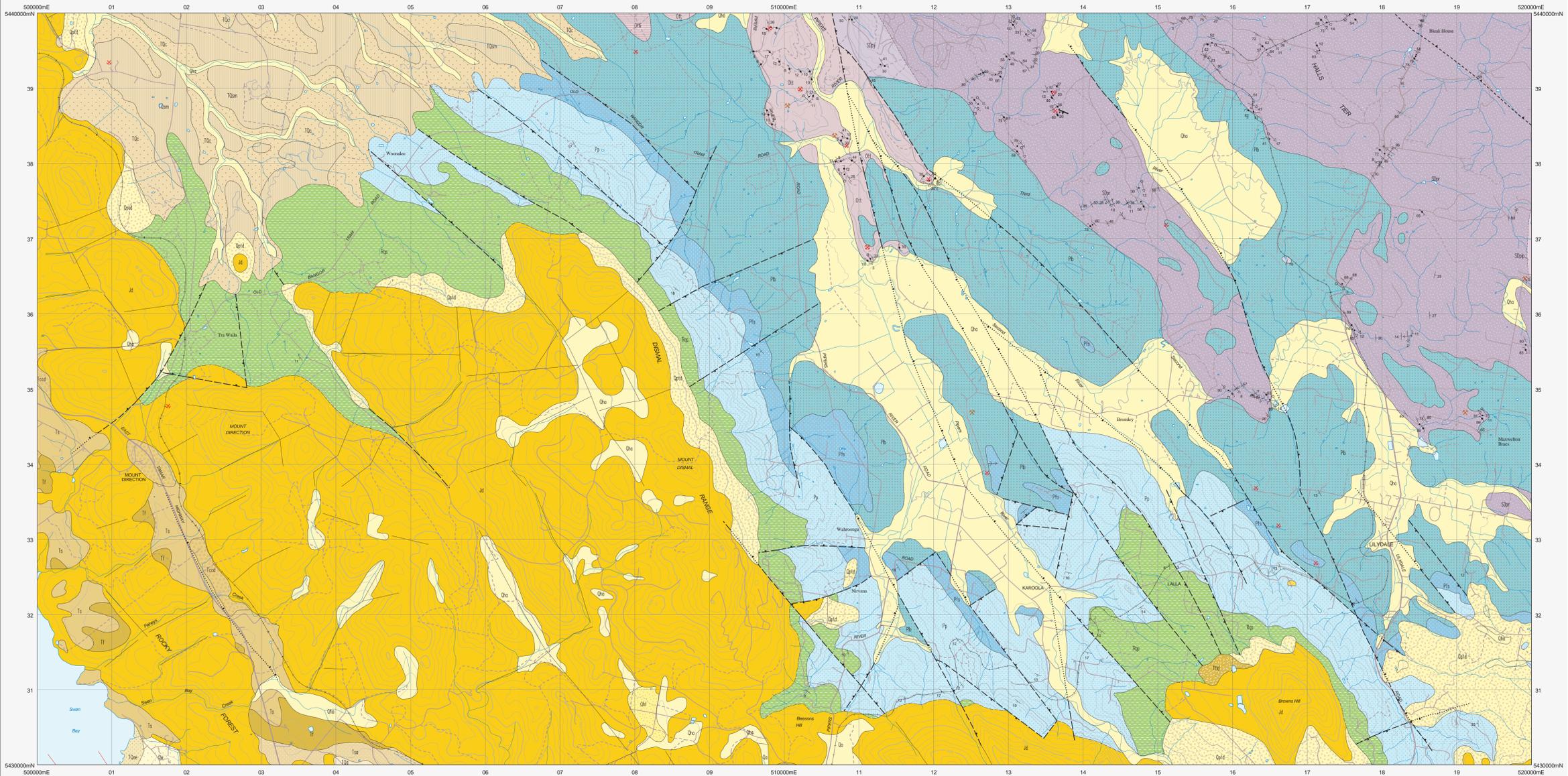
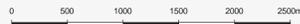


LILYDALE

Scale: 1:25 000



CENOZOIC	
QUATERNARY	
Qha	Stream alluvium, swamp and moran deposits (Qha).
Qa	Aeolian deposits and locally derived sand (Qa).
Qpld	Dolerite talus (Qpld).
Qhf	Ferricrete lag deposit (Qhf).
TQoa	Late Cenozoic terrace deposits of uncertain composition, generally 5-10m extending to approximately 10m above sea or river level, gravel layers above sea level.
TQoc	Silt and clay with occasional pebbles (TQoc).
TQof	Ferruginous, plastic gravel with ironstone blocks (TQof).
TQom	Medium-grained sand (TQom).
PALEOGENE-MIOCENE	
Ts	Conglomerate, gravel, sand, silt, mud and clay (Ts), ferricrete (Tfs), basaltic rock (Tb), poorly consolidated clay, silt and clayey liable sand with rare gravel and lignite, some iron oxide-cementing layers and concretions, and some leaf fossils (Tsa), dolerite boulder bed (Tsd).
Tfo	Laterite derived from Jurassic Dolerite (Tfo).

MESOZOIC	
PERMIAN-TRIASSIC	
Tpa	Cross-bedded quartz sandstone, feldspathic sandstone and shale (Tpa).
Pp	Sandstone, siltstone and mudstone with marine fossils abundant in places (Pp).
Pfs	Dominantly well-sorted quartz sandstone usually cross-bedded or laminated and commonly with interbedded thin laminated carbonaceous shale, lesser conglomerate and rare coal (Pfs).
Pb	Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pb).
Unconformity.	
SILURIAN	
SDpp	Basal moderately bioturbated deep marine siltstone with significant shale and mudstone. Contains Silurian (Ludlow) graptolites (disintegrated in some areas but not distinguished in metamorphosed areas) (SDpp).
SDpr	Interbedded turbidite medium- to very fine-grained quartz-rich sandstone and subordinate siltstone-mudstone (Retreat Formation) (SDpr).
SDpy	Dominantly thin-bedded mudstone, with subordinate cross-laminated siltstone (Farrow Creek Mudstone) (SDpy).
Inferred fault.	
ORDOVICIAN	
Otl	Dominantly dark grey phyllic slate, with minor thin beds of quartz-rich phylite. Contains Ordovician graptolites (Farrow Creek Slate) (Otl).
Otr	Interbedded siltstone and foliated very fine-grained quartz-rich sandstone (Industry Road Member) (Otr).

MESOZOIC CENOZOIC PALEOGENE-MIOCENE JURASSIC	
Tb	Basalt (Tb).
Jd	Dolerite (Jd).

IGNEOUS ROCKS	
—	Geological boundary - position approximate.
- - -	Geological boundary - inferred.
- - - - -	Unconformity boundary - position approximate.
- - - - -	Fault - position approximate.
- - - - -	Fault - position concealed.
- - - - -	Thrust fault (teeth on upper plate) - inferred.
- - - - -	Airphoto lineament.
- - - - -	Aeromagnetic lineament.

- Strike and dip of bedding: facing known, overturned, facing unknown, vertical, facing unknown.
- Generalised paleocurrent direction, showing sense of movement, polarity unspecified.
- Strike and dip of cleavage type and relative age unspecified, penetrative cleavage, crumpled cleavage.
- Trend and plunge of hinge line of reclined minor fold, unspecified relative age, vergence sinistral.
- Trend and plunge of minor fold hinge line, relative local age F1, antiform, synform.
- Trend and plunge of bedding/primary cleavage intersection lineation (L1).
- Trend and plunge of minor fold hinge line, relative local age F2, with dip and dip direction of axial surface.
- Strike and dip of outcrop-scale thrust fault of unspecified relative age.
- Trend and plunge of slickensides, movement sense unspecified.
- Strike and dip of dominant joint set.
- Mineral deposit location - hardrock
- Construction material/industrial mineral/gemstone location

Compiled by M.P. McLennaghan, B.Sc. (Hons), Ph.D. 1966 from the following sources (see responsibility diagram):
A. MARSHALL, B. BARTON, C. M. JENNINGS, D. J. and NAQVI, I. H. 1966. Geological Atlas 1:50 000 Series, Sheet 31 (5313A), Rivers River, Department of Mines, Tasmania.
B. LINDGREN, M. J., MATTHEWS, W. L. and ROWE, S. M. 1964. Geological Atlas 1:50 000 Series, Sheet 38 (5313B), Launceston, Department of Mines, Tasmania.
Updated by:
C. S.M. Forth 1991 - 03: 1:25 000 mapping.
D. C.R. Calver 2001 - 03: 1:25 000 mapping.
E. F.D. Seymour 2008 - 09: minor revision of previous mapping.
F. D.B. Seymour 2008 - 09: Stratigraphic revision and re-mapping of Mathinna Supergroup supported by interpretation of airborne geophysical data, as part of the TasExplore Project, Mineral Resources Tasmania.
G. D.B. Seymour 2008 - 09: Stratigraphic revision of Mathinna Supergroup, as part of the TasExplore Project, Mineral Resources Tasmania.

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GDAS4 - MGA Zone 55. Contour Interval: 20 metres.



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