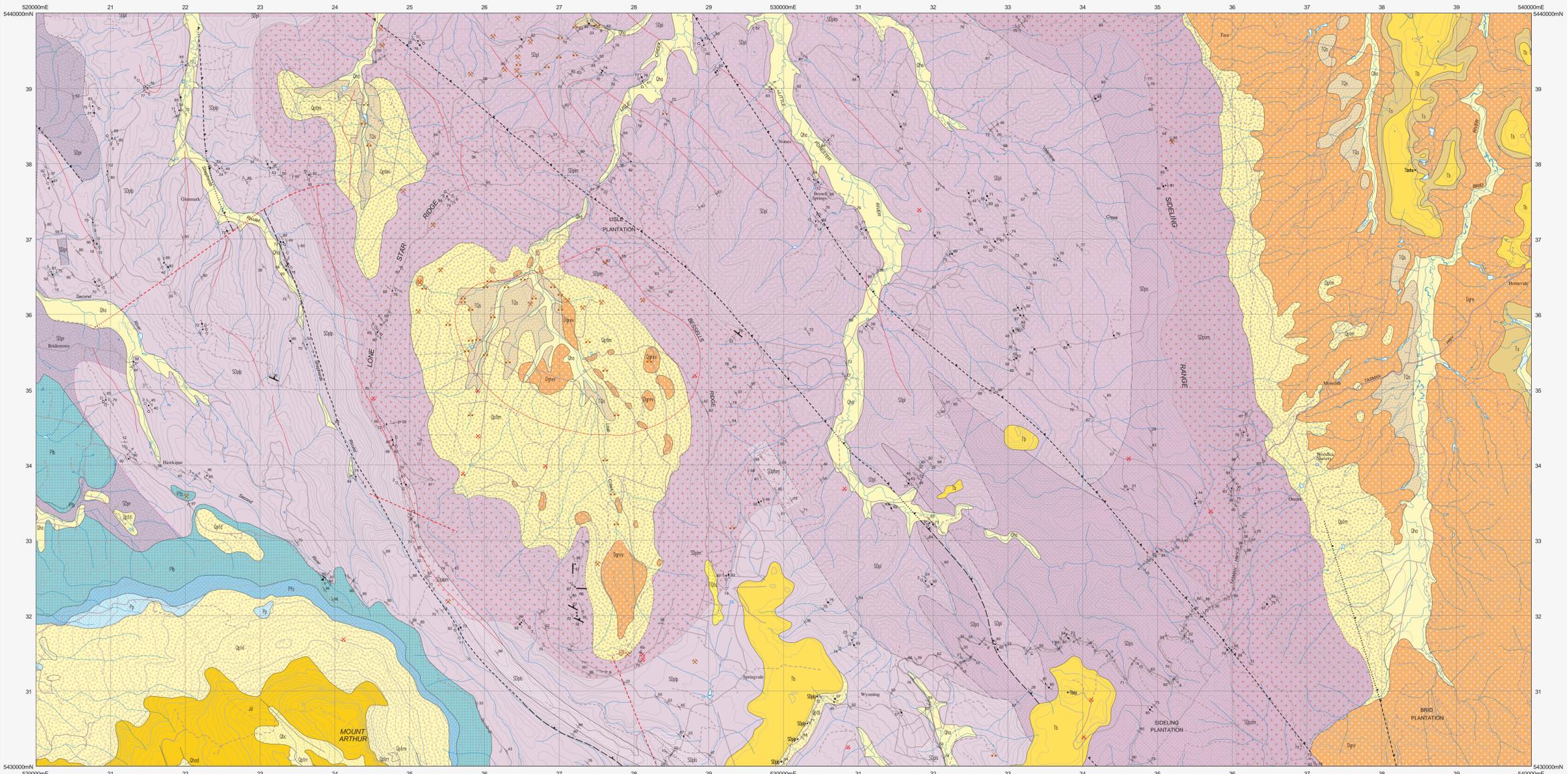


# LISLE

Scale: 1:25 000



QUATERNARY	
Qchd	Highland marsh with peaty clay overlying unsorted dolerite boulders (Qchd).
Qha	Stream alluvium, swamp and marsh deposits (Qha).
Qptr	Scree deposit of angular unorientated dolerite boulders and rock masses (Qptr).
Qptrv	Climb-fall scree deposits of Qptr type without surficial lined and non-sorted, includes some autochthonous block field deposits (Qptrv).
Qdtr	Dolerite talus (Qdtr). Basalt talus (Qdtr).
Qdtrm	Mulhensia Supergroup talus (Qdtrm). Talus or lag consisting of horizontal Mulhensia Supergroup rocks (Qdtrm).
Qdtrc	Dolerite block fields, probably underlain by clay from weathered dolerite (Qdtrc).
TQa	Sandstone and conglomerate (TQa).
TQId	Probably older dolerite boulder deposit (TQId).
Ts	Conglomerate, gravel, sand, silt, mud and clay (Ts). Basaltic rock (Ts).
Unconformity.	

PALEOZOIC	
PERMIAN	<p>Pf</p> <p>Sandstone, siltstone and mudstone with marine fossils abundant in places (Pf).</p> <p>Dominantly well-sorted quartz sandstone usually cross-bedded or laminated and commonly with interbedded and/or laminated carbonaceous shale, lesser conglomerate and rare coal (Pf).</p> <p>Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pf).</p> <p>Tillite and conglomerate (Pfb).</p>
DEVONIAN	<p>Unconformity.</p> <p>SDps</p> <p>Dominantly fine-grained turbiditic quartz-rich sandstone, with some interbedded siltstone. Contains volcanic glass fragments (SDps). Metamorphosed by granitic intrusion (SDps). (SDps, SDpsm)</p> <p>SDpsl</p> <p>Dominantly thin-bedded siltstone, with interbedded fine-grained quartz-rich sandstone increasing towards top. Contains Silurian (Ludlow) graptolite (SDpsl). Metamorphosed by granodioritic intrusion (SDpsl).</p>
SILURIAN	<p>Basal moderately bioturbated deep marine siltstone with significant shale and mudstone. Contains Silurian (Ludlow) graptolites. (Disrupted in some areas but not distinguished in metamorphosed areas) (SDps).</p> <p>Thin-bedded siltstone, with significant interbedded fine-grained quartz-rich sandstone (SDps). Metamorphosed by granodioritic intrusion (SDps).</p> <p>SDpsm</p> <p>Basal moderately bioturbated deep marine siltstone with significant shale and mudstone. Contains Silurian (Ludlow) graptolite (SDpsm). Metamorphosed by granodioritic intrusion (SDpsm).</p>

MESOZOIC	
TRIAS	<p>Tb</p> <p>Basalt (Tb); nepheline basalt with hercynite xenoliths (Tbnb); olivine nephelinite with hercynite xenoliths (Tbnb) indicated.</p>
CRETACEOUS	<p>Ds</p> <p>Dolerite (Ds).</p>
SCOTTSDALE BATHOLITH	
Dgrv	Medium- to coarse-grained, equigranular, biotite-hornblende granodiorite-tonalite, very locally magnetite. Generally very poorly outcropping, covered by horizontal Mulhensia Supergroup talus or lag (Dgrv). (LISE Granodiorite, 1-type).
Dgrc	Medium- to coarse-grained, equigranular, biotite-hornblende granodiorite (Dgrc). (Distribium Granodiorite, 1-type).

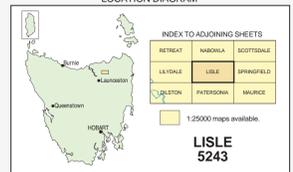
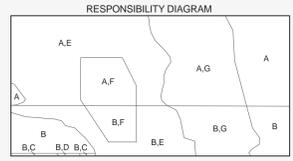
IGNEOUS ROCKS	
Strike and dip of bedding - right way up; overturned; facing unknown.	↘ / ↙
Strike of vertical bedding, facing indicated by simple tic; facing unknown.	↘ / ↙
Strike and dip of cleavage of unspecified type and relative age, parallel to bedding, facing unknown.	↘ / ↙
Strike and dip of cleavage - relative local age St. crenulation.	↘ / ↙
Strike and dip of penetrative cleavage; vertical.	↘ / ↙
Trend and plunge of bedding/primary cleavage intersection lineation (L); vertical.	↘ / ↙
Trend and plunge of minor fold hinge line, with dip and dip direction of axial surface - unspecified relative age, F2.	↘ / ↙
Trend and plunge of hinge line of minor antiform, unspecified relative age; horizontal.	↘ / ↙
Strike and dip of outcrop scale fault of unspecified type and relative age, type unspecified; thrust fault.	↘ / ↙
Trend and plunge of slickensides, movement sense unspecified; HW relative movement up-plunge.	↘ / ↙
Notable small outcrop with rock unit indicated.	•
Field station for adjacent readings on the map.	•
Mineral deposit location - hardrock.	✕
Mineral deposit location - alluvial/tailings.	✕
Construction material/industrial mineral/gemstone location.	✕

Compiled by M.P. McLennaghan, B.Sc.(Hons), Ph.D., 2006 from the following sources (see responsibility diagram):

- MARSHALL, S., BARTON, C.M., JENNINGS, D.J. and MACVIL, I.H. 1982. Geological Atlas 1:63 360 series, sheet 31 (8315N) Pipers River. Tasmania Department of Mines.
- LONGMAN, M.J., MATTHEWS, W.L. and ROWE, S.M. 1964. Geological Atlas 1:63 360 series, sheet 30 (8315A) Launceston. Tasmania Department of Mines.
- S.M. Foreth, 2006. Aerial photo interpretation.
- ANCN, 1983. Tasmanian 1:25 000 Series, Sheet 5242 Edition 1 Platensia. Mapping Division Department Hobart.

Updated by:

- I.R. Woodward 2008-09. Stratigraphic revision and re-mapping of Mulhensia Supergroup, and minor adjustment of Permian and Tertiary boundaries, supported by interpretation of airborne geophysical data, as part of the Tasfibre Project. Mineral Resources Tasmania.
- I.R. Woodward 2008-09. New re-mapping of Devonian granodiorite, based on widely spaced traverses and supported by interpretation of airborne geophysical data, as part of the Tasfibre Project. Mineral Resources Tasmania, with additional information from D. Hall, 1997. Annual report for year ending July 1997. EL262, LISLE. Unpublished report MGRA/NL/TCS/97-04045.
- M.P. McLennaghan 2008-09. Stratigraphic revision and re-mapping of Mulhensia Supergroup, and minor adjustment of Tertiary boundaries, supported by interpretation of airborne geophysical data, as part of the Tasfibre Project. Mineral Resources Tasmania.



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

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