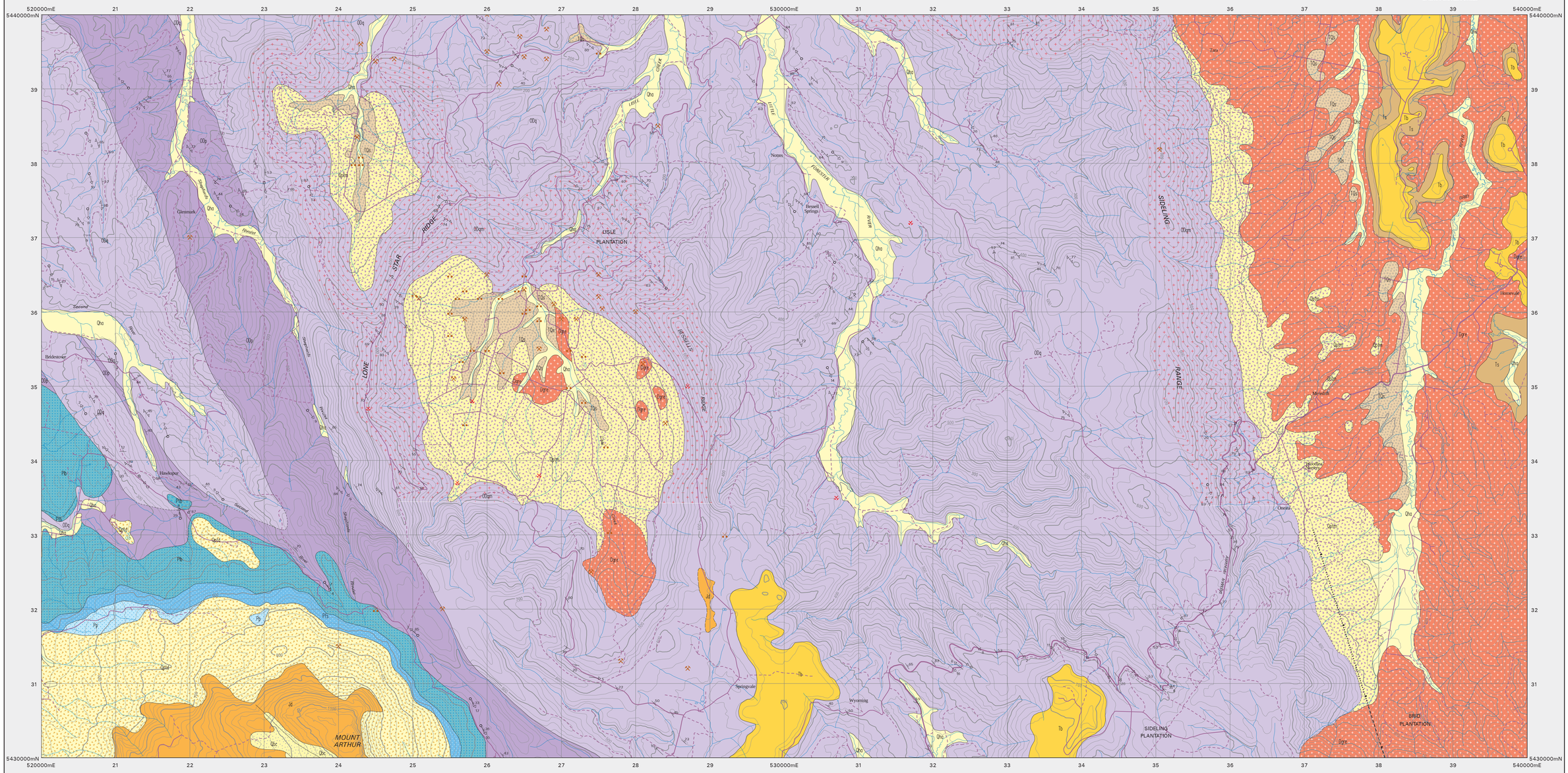
TASMANIAN GEOLOGICAL SURVEY
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
LISLE, SHEET 5243

LISLE

Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA
Tasmania
DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



MARSHALL, B.; BARTON, C.M.; JENNINGS, D.J.; NAQVI, I.H.; 1965. Geological atlas 1:63,360 series, sheet 31 (8315N), Pipers River. Department of Mines, Tasmania.
LONGMAN, M.J.; MATTHEWS, W.L.; ROWE, S.M.; 1964. Geological atlas 1:63,360 series, sheet 39 (8315S), Launceston. Department of Mines, Tasmania.
Compiled by M.P.McClenaghan

QUATERNARY

- **HOLOCENE**
  - Qha — *Stream alluvium, swamp and marsh deposits (Qha).*
  - Qpld — *Dolerite talus (Qpld).*
  - Qptm — *Mathinna Group talus (Qptm).*
- **PLEISTOCENE**
  - Qbc — *Dolerite block fields, probably underlain by clay from weathered dolerite (Qbc).*

?

TERTIARY

- TQs — *Sandstone and conglomerate (TQs).*
- Tb / Ts — *Conglomerate, gravel, sand, silt, mud and clay (Ts). Basaltic rock (Tb).*

Unconformity

PERMIAN

LOWER PARNEENER SUPERGROUP

- 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 and laminated carbonaceous shale, lesser conglomerate and rare coal (Pfs).*
- Pfb — *Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pfb).*
- Pfb — *Tillite and conglomerate (Pfb).*

Unconformity

ORDOVICIAN - SILURIAN (?) - EARLY DEVONIAN

- ODq / ODgm — *Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (ODq); contact metamorphosed by granitic intrusion (ODgm).*
- ODp — *Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with mudstone dominant (ODp). (ODq, ODp : Mathinna Group).*

IGNEOUS ROCKS

- **TERTIARY** — Tb — *Basalt (Tb).*
- **JURASSIC** — Jd — *Dolerite (Jd).*
- **DEVONIAN** — Dgre — *Equigranular, medium-to coarse-grained biotite-hornblende granodiorite (Dgre).*

Geological boundary – position approximate
Geological boundary – position inferred
Fault – position concealed, downthrown side indicated.
Fault – position inferred, downthrown side indicated.
Airphoto lineament

Strike and dip of bedding – right way up; overturned; facing unknown.
Strike of vertical bedding, facing unknown.
Generalised palaeocurrent direction, showing sense of movement.
Strike and dip of cleavage – relative local age S1; vertical.
Trend and plunge of bedding/primary cleavage intersection lineation (L1).
Trend and plunge of minor fold hinge line, relative local age F1.
Trend and plunge of slickensides, movement sense unspecified.
Field station for adjacent readings on the map.
Mineral deposit location – hardrock } *Data derived from Mineral Resources Tasmania MRLOCH data base. Datapoint position has not been verified in every case.*
Mineral deposit location – alluvial
Construction materials location – Data derived from Mineral Resources Tasmania COMMAT data base. Datapoint position has not been verified in every case.

Digital base information from Information and Land Services Division, Department of Primary Industries, Water and Environment.

Map produced by the Data Management Branch of Mineral Resources Tasmania using G.J.S. software.
AGD66 - AMG Zone 55. Contour Interval: 20 metres.

RESPONSIBILITY DIAGRAM

B.M.
C.M.B.
D.J.J.
I.H.N.

M.J.L.
W.L.M.
S.M.R.

LOCATION DIAGRAM

ADJOINING SHEETS

RETREAT	NARCOWLA	SCOTTSDALE
UKYDALE	LISLE	SPRINGFIELD
DEVILTON	FATERSONIA	MAURICE

1:25000 maps available.

LISLE 5243

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Data correct & plotfile generated: 02-APR-2003

WARNING: INKS ARE LIGHT SENSITIVE