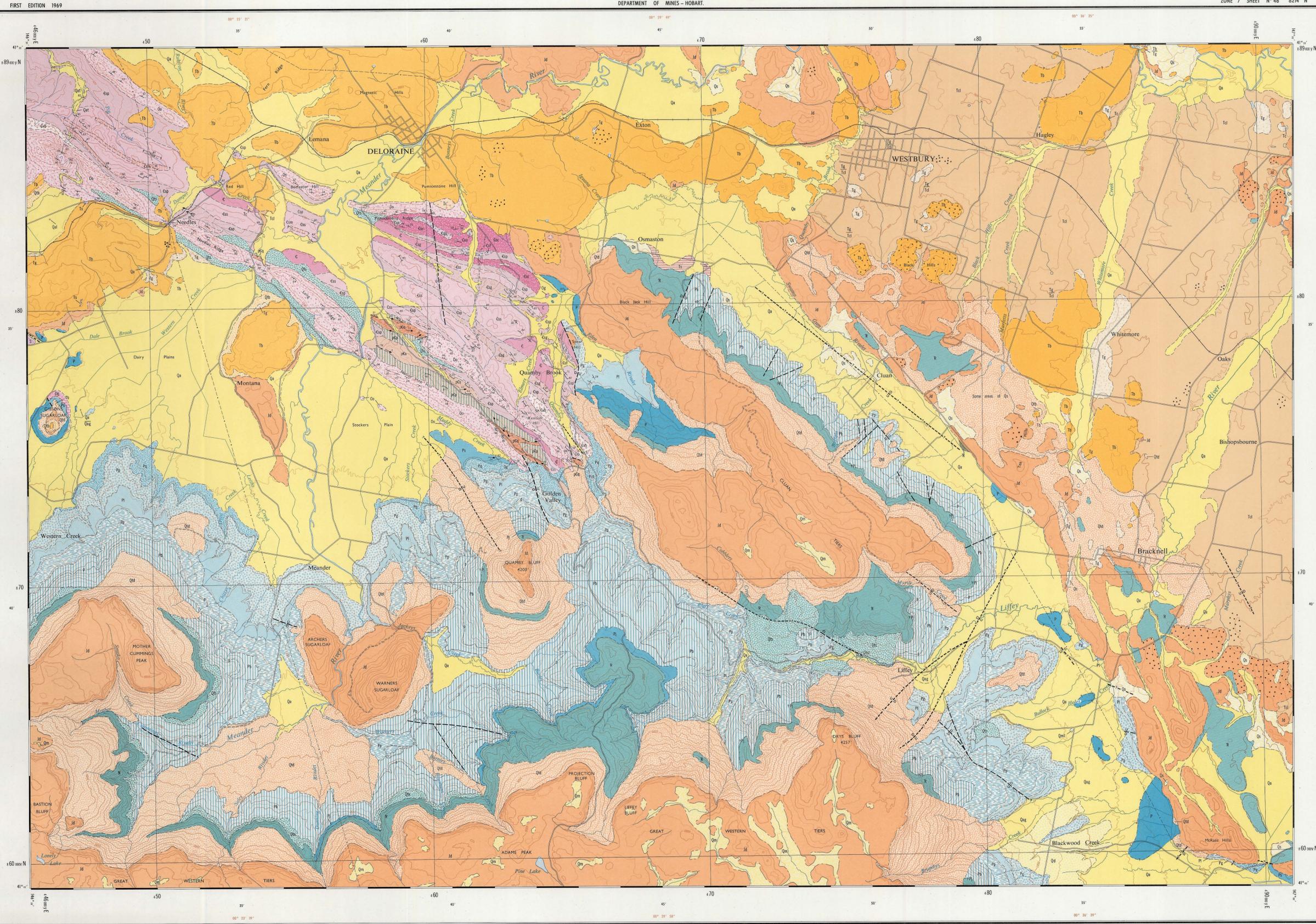


QUAMBY

GEOLOGICAL SURVEY OF TASMANIA
DEPARTMENT OF MINES - HOBART.

GEOLOGICAL ATLAS 1 MILE SERIES
ZONE 7 SHEET N° 46 8214 N



REFERENCE

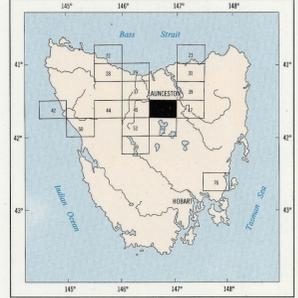
- QUATERNARY**
- Qm Swamp and marsh deposits; spring limestone deposits (rQm)
 - Qa Alluvium including river terrace deposits (Qat) and dolerite gravels and quartz sands (Qag) and ironstone boulder lag (Qal)
 - Qs Windblown and locally derived sands.
 - Qp Predominantly basalt talus
 - Qst Predominantly sandstone talus including deposits which may have been water transported (Qstt)
 - Qd Predominantly dolerite talus and scree.
 - (+) Pleistocene dolerite boulder beds.
- TERTIARY**
- Tg Inter- and sub-basalt gravels of predominantly quartzite pebbles; stippled where lateritized.
 - Tc Siliceous conglomerate.
 - Li Litic sandstone.
 - Sd Sandy clays, with areas stippled where occasional ferruginous pisolites occur.
 - U Unconformity
- MESOZOIC**
- TRIASIC**
- T Undifferentiated sandstone, siltstone, shale and occasional mudstone pellet conglomerate.
- PERMIAN**
- Pi Jackey Formation of carbonaceous sandstone and shale with plant fragments.
 - Bogon Gap Group of predominantly unfossiliferous mudstone with Blackwood Conglomerate (b) and Palmer Sandstone (p) indicated.
 - Pastina Group of fossiliferous mudstone and sandstone with Dabool Sandstone indicated (d).
 - Lifley Group of predominantly sandstone with occasional wormcast and carbonaceous horizons, and carbonaceous shale.
 - Sadden Valley Group of predominantly fossiliferous and erratic rich mudstone, shale, limestone and sandstone.
 - Quamby Mudstone unfossiliferous dark grey pyritic mudstone with Tasmanian Oil Shale locally indicated (TOS).
 - Stokers Tillite of tillite and erratic rich mudstone.
 - U Unconformity
 - US Unfossiliferous sandstone
- PALAEZOIC**
- SILURIAN**
- S Siliceous sandstone
- DEVONIAN**
- D Correlate of Gordon Limestone
 - OC Correlate of Owen Conglomerate and Magpie Group of siliceous sandstone and conglomerate with thicker horizons of predominantly siliceous conglomerate indicated.
 - U Unconformity
- CAMBRIAN**
- Cm Pebble and cobble conglomerate with argillaceous matrix, and subordinate sandstone and siltstone layers.
 - Cp Quartz-feldspar porphyry.
 - Ph Phyllite, slate, sandstone and some volcanic material
 - Gg Grey-green greywacke rich sequences (Gg)
 - Seq Sequences with feldspathic sandstone (Seq)
- PRECAMBRIAN**
- Qm Quartz-muscovite schist and phyllite.
 - ps Massive, platy and banded quartzite with stretched pebble conglomerate indicated (psqc).
 - ps Schistose quartzite, quartzite and schist assemblage

Igneous Rocks

- Tb TERTIARY Basalt with lateritized zones stippled.
- Jd JURASSIC Dolerite with lateritized zones stippled.

- Geological boundary—observed.
- - - Geological boundary—position approximate.
- · - · - Geological boundary—interfered and concealed
- · - · - Geological boundary—airphoto interpretation
- - - Fault—exposed (downtown side indicated).
- - - Fault—position approximate (downtown side indicated).
- - - Fault—position inferred and concealed (downtown side indicated)
- - - Strike and dip of beds—right way up, overturned.
- - - Vertical and horizontal bedding.
- - - Strike and dip of beds—facing unknown.
- - - Strike and dip of cleavage, vertical cleavage.
- - - Direction and plunge of bedding / cleavage intersection lineation.
- - - Direction and plunge of undifferentiated lineation.
- - - Minor fold direction and plunge, dip of axial surface indicated.
- - - Strike and dip of lithological units in pelitic layers, and of platy parting, possibly bedding, in quartzite.
- - - Direction of sediment bearing current.
- - - Mineral prospect, Copper Cu.

LOCALITY MAP



CONTROL
2nd and 3rd Order Triangulation based on Lochmaben. Astronomical Station
Lat. 41°38' 23.389" S Long. 147°17' 49.725" E

DETAIL
Aerial Photography
Projection Transverse Mercator
Level Datum Mean Sea Level, Hobart.
Nomenclature Approved by the Nomenclature Board of Tasmania.
Grid Convergence Based on Longitude 147°00' E
CO-ORDINATES Origin is 400,000 yards West and 1,300,000 yards South of the True Origin of Zone 7.

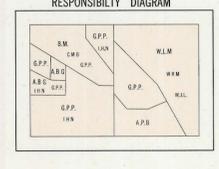
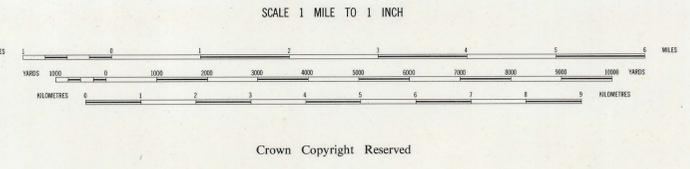
To obtain true bearing use correction as shown in brown in margin of map

- Road
- Vehicular Track
- Foot or Pack Track
- Railway
- Electric Transmission Line
- Swamp or marsh
- Trigonometric Station
- Waterhole
- Lighthouse

INDEX TO ADJOINING SHEETS

SHEFFIELD	FRANKFORD	LAUNCESTON
MIDDLESEX	QUAMBY	LONGFORD
DU CANE	GREAT LAKE	LAKE RIVER

Magnetic Variation from True North for the centre of this sheet approximately 12°50' Annual Change +05E (Approx).



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