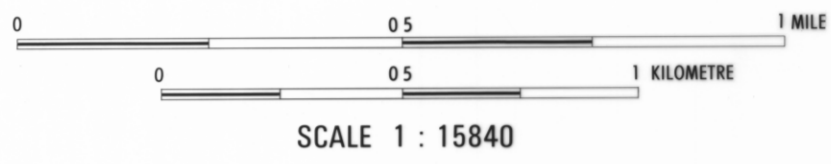


5 cm

TASMANIA DEPARTMENT OF MINES

MT READ VOLCANICS AND ASSOCIATED ROCKS IN THE MT SEDGWICK-LAKE BEATRICE AND LAKE DORA-LAKE SPICER AREAS

GEOLOGY BY K. D. CORBETT
1982



QUATERNARY

- Qt** Talus and scree deposits.
- Qf** Bouldery fan deposits with stream channels — partly reworked moraine and scree.
- Qpm** Pleistocene bouldery moraine deposits.

JURASSIC

- Jdl** Dolerite.

PERMO-CARBONIFEROUS

- P** Conglomerate, mixtite, siltstone; some fossiliferous horizons.

LATE CAMBRIAN - EARLY ORDOVICIAN

Owen Conglomerate — siliceous sandstone and conglomerate, mostly pebble-cobble grade. Prominent sandstone unit indicated near Mt. Sedgwick.

Red breccia-conglomerate with associated sandstone and pebble conglomerate in area east of Lake Spicer. Correlate of Owen Conglomerate.

CAMBRIAN

MT READ VOLCANICS AND ASSOCIATED ROCKS

Volcaniclastic conglomerate and sandstone, generally massive to poorly bedded. Clasts of quartz-feldspar porphyry usually abundant. Minor tuff horizons and intrusions of porphyry. Correlate of Tyndall Group.

Mainly quartz-feldspar-phyric volcanic rocks and associated intrusive bodies (Cpi) with intercalations of volcaniclastic conglomerate, inclusions of slate (black), and xenoliths of sandstone and conglomerate. Some internal boundaries shown. Prominently flow-banded in some areas. Locally chloritized and mineralized.

Mainly feldspar-phyric pyroclastics and lavas, generally pale-coloured and fine grained. Banding and columnar jointing in places. Minor shale horizons.

Massive pink fine-grained feldspar-phyric rhyolite, commonly spherulitic. Large haematite-magnetite veins in places.

- UD** Undifferentiated volcanic rocks — includes feldspar-phyric and quartz-phyric types

Sticht Range Beds — interbedded grey quartzose sandstone, micaceous siltstone, granule-pebble conglomerate. Rare trace fossils and bioturbation. Some graded bedding and cross-bedding.

PRECAMBRIAN

- PE** Quartzite, quartz-mica schist, black phyllite (PEp), minor dolomite (PEd) and red sandstone (PEss).

- Geological boundary approximate, inferred.
- - - Fault approximate
- 70°/ Dip of bedding or lithological layering, facing unknown, facing known.
- 70°/ Flow banding in volcanic rock.
- / Plunge of columnar jointing in volcanic rock.
- 70°/ Dominant cleavage in Cambrian — Ordovician rocks — dipping, vertical.
- 70°/ Foliation in Precambrian rock.
- / Plunge of minor fold.
- ✕ Prospect.
- 4-wheel drive road.
- Track.

