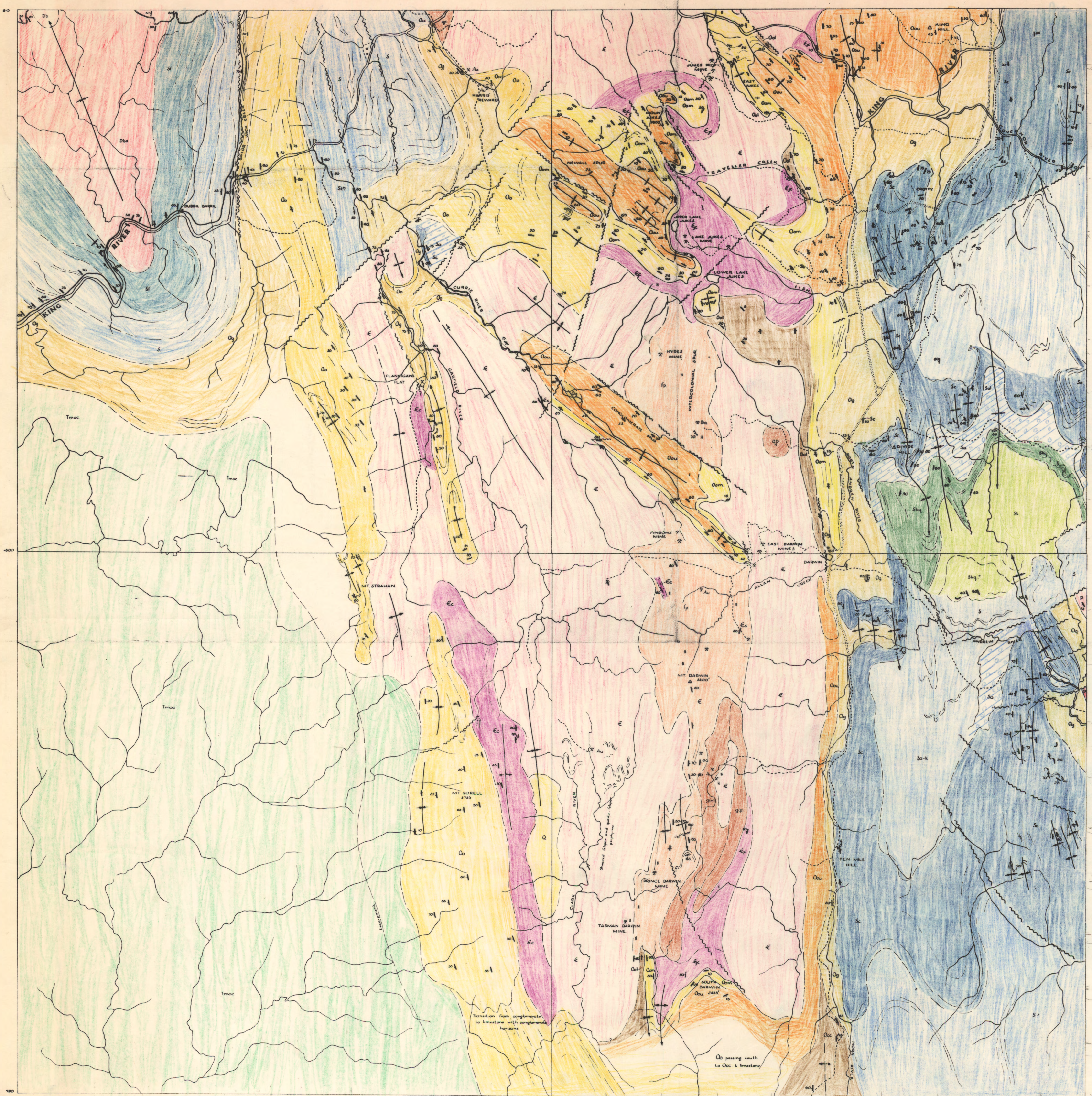


DARWIN AREA

EXPLORATION DEPARTMENT, MT. LYELL MINING CO. LTD.



LEGEND

SEDIMENTARY ROCKS

- QUATERNARY**
- Q** Talus, alluvium etc.
 - Qp** Marine with varied clays.
- TERTIARY**
- Tmac** Macquarie Beds - sands, gravels & clays, lignite bands.
- PERMIAN**
- Db** Bell Shale - dark shale often alternating with sandstone bands.
 - Dbss** Muddy sandstones & sandy shales.
- ELDON GROUP**
- Sr** Florence Quartzite - fine grained & grey-brown.
 - Sk** Kest - sandy shale & shaly sandstone with locally a major quartzite & shaly limestone.
 - Sc** Amber Shales - blue-grey shales with limestone lenses.
 - Sc** Crotty Quartzite - grey, medium to coarse grained, locally split by shales.
 - S** Undifferentiated - many quartzite & alternating quartzites & shales of the Dublin Barril area.
- JUNEE GROUP**
- Og** Gordon Limestone, dark blue-grey, argillaceous.
 - Ooc** Caroline Creek flaggy sandstones & shales.
 - Oou** Upper Owen Conglomerate.
 - Oom** Middle Owen Conglomerate.
 - Ool** Lower Owen Conglomerate.
- DUNDAS GROUP**
- Ec** Jules Conglomerate - very coarse greywacke conglomerate.
 - Ec** Greywacke conglomerate.
 - Ec** Miners Slates - finely banded siltstones.
 - Ec** Grey sandstone.
 - Ec** Battery Volcanics - lavas, tuffs & agglomerates.
 - Ec** Undifferentiated - variable greywacke sediments & volcanics, usually too metamorphosed or weathered for identification.
- PRE-CAMBRIAN**
- p** Dense grey quartzites & quartz schists & gneisses.

METAMORPHIC ROCKS

(ex. Dundas Group)

- qp** Quartz feldspar porphyry.
- fp** Pink feldspathised sediments of Mt. Darwin etc.
- g(w)** White granite.
- g(p)** Pink granite.

GEOLOGICAL BOUNDARIES

- OBSERVED
- APPROXIMATE
- DOUBTFUL

FAULTS

- OBSERVED
- APPROXIMATE
- DOUBTFUL

BEDDING

- STRIKE & DIP
- VERTICAL
- HORIZONTAL
- OVERTURNED
- PITCH
- SCHISTOSITY
- CLEAVAGE
- SYNCLINE
- ANTICLINE

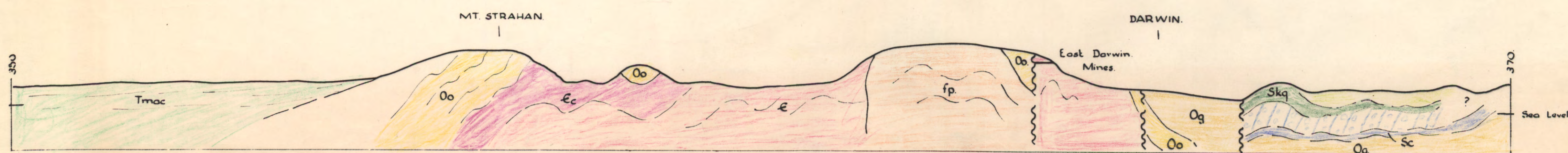
- MAIN ROAD
- VEHICULAR TRACK
- FOOT TRACK
- TRIANGULATION STATION
- RAILWAY
- RIVER OR CREEK
- QUARRY
- MINE FOR COPPER
- UNLESS MARKED - GOLD
- BARYTES
- HEMATITE

Magnetic variation - 10° E.
Base maps by courtesy of the Hydro-Electric Commission, Tasmania. Origin of co-ordinates 400,000 yds. west & 1,800,000 yds. south of the true origin of zone 7.

Geology by M. Solomon B.Sc.
Chief Geologist M.L. Wade B.Sc.

Scale: 2" = 1 mile

Traced by D.B. Nankivell.
Printed by the 'Mercury' Hobart.



2468-65

SECTION ALONG 800 N
Natural Scale