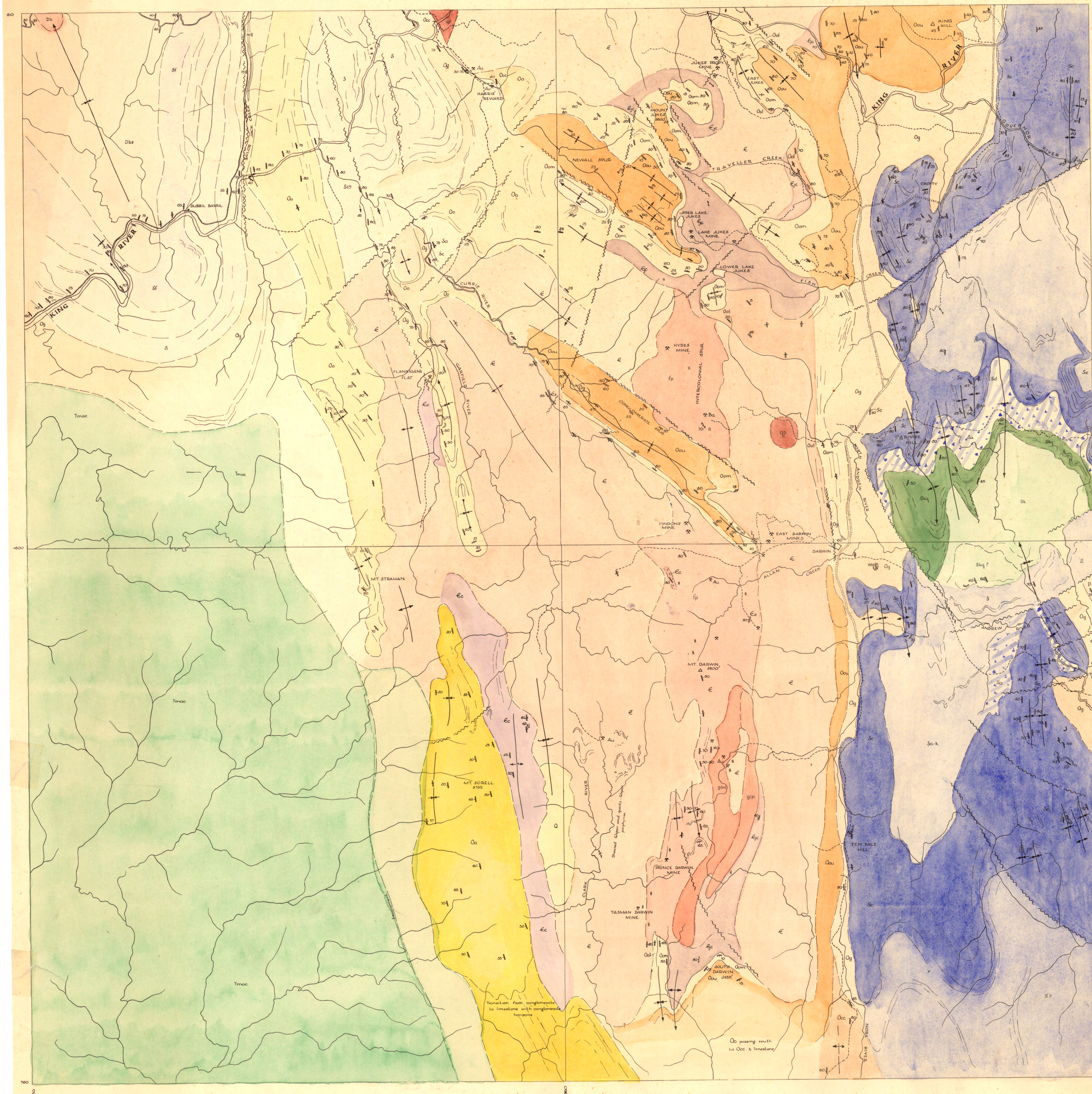


DARWIN AREA

EXPLORATION DEPARTMENT, MT. LYELL MINING CO. LTD.



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

Scale: 2" = 1 mile.

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

LEGEND

SEDIMENTARY ROCKS

- QUATERNARY**
- Q Talus, alluvium etc.
 - Qp Moraine with varied clays.
- TERTIARY**
- Tmac Macquarie Beds - sands, gravels & clays, lignite bands.
- DEVONIAN**
- Db Bell Shale - dark shale often alternating with sandstone bands.
 - Dbs Muddy sandstones & sandy shales.
- ELDON GROUP**
- Sf Florence Quartzite - fine grained & grey-brown.
 - Sk Kasil - sandy shale & shaly sandstone with locally a major quartzite & shaly limestone.
 - Sa Amber Shales - blue-grey shales with limestone lenses.
 - Sc Crookly Quartzite - grey, medium to coarse grained, locally split by shales.
 - S Undifferentiated - mainly quartzite & alternating quartzites & shales of the Dubbil 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**
- Jukes Conglomerate - very coarse greywacke conglomerate.
 - Greywacke conglomerate.
 - Mimes Slate - finely banded siltstones.
 - Grey sandstone.
 - Battery Volcanics - lavas, tuffs & agglomerates.
 - 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 felspar porphyry
- fp Pink felspathised sediments of Mt. Darwin etc.
- g(w) White granite.
- g(p) Pink granite.

GEOLOGICAL BOUNDARIES

- OBSERVED.
- APPROXIMATE.
- DOUBTFUL.

FAULTS.

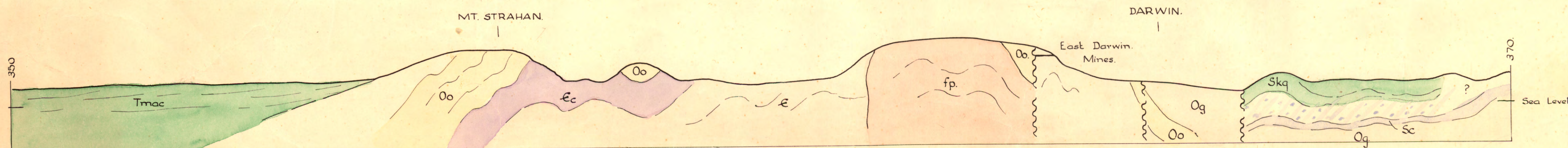
- OBSERVED.
- APPROXIMATE.
- DOUBTFUL.

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.



SECTION ALONG 800 N
Natural Scale