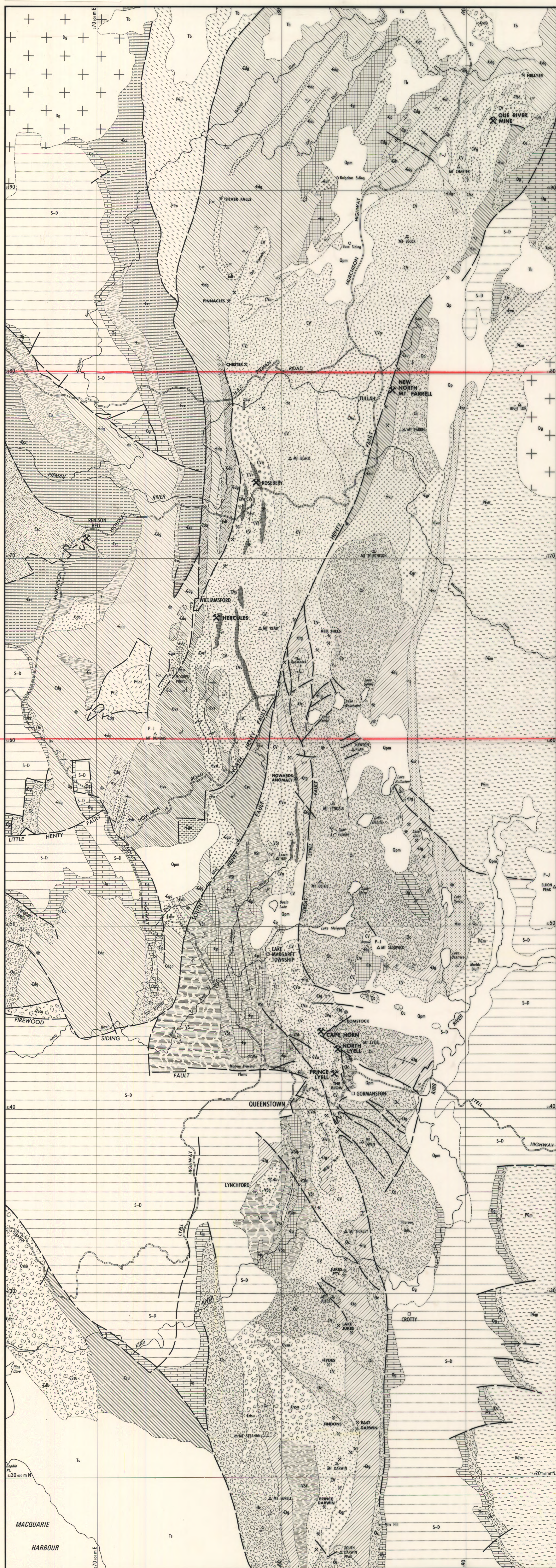


5 cm



GEOLOGICAL SURVEY OF TASMANIA

GEOLOGICAL COMPILATION MAP OF THE MOUNT READ VOLCANICS QUE RIVER TO MT. DARWIN

Compiled by K. D. Corbett B.Sc. Ph.D.
1984

0 2 4 6 8 10 KILOMETRES

SCALE 1:100 000

REFERENCE

TERTIARY - QUATERNARY

Tertiary basalt (Tb), Tertiary sediments (Ts),
Pleistocene moraine (Qpm)

Unconformity

LATE CARBONIFEROUS - JURASSIC

P-J Parmener Supergroup, Jurassic dolerite

Unconformity

LATE DEVONIAN

Dg Granite

SILURIAN - EARLY DEVONIAN

S-D Eldon Group undifferentiated

Conformity, ?disconformity

ORDOVICIAN

Og Gordon Limestone Subgroup

Unconformity, disconformity, conformity

LATE CAMBRIAN - EARLY ORDOVICIAN

Ov Owen Conglomerate and correlates

Unconformity, disconformity

CAMBRIAN - ?EOCAMBRIAN

NORTH AND WEST OF HENTY FAULT ZONE

Dundas Group and correlates, including "Rosebery
Group" (Middle to Late Cambrian)-greywacke,
siltstone, mudstone, conglomerate, tuff

Major felsic tuff unit

Quartzwacke-quartzite-mudstone

Conglomerate

Basaltic volcanics

Andesitic volcanics

Lower volcano-sedimentary sequence,
Howards Road area

Major felsic tuff unit

Disconformity, ?unconformity

Central Volcanic Sequence - rhyolitic to
dacitic volcanics, mainly felsic tuff

Andesitic volcanics

Quartz-phryic volcanics

Shale-siltstone horizons

Crimson Creek Formation - mafic lithicwacke,
mudstone - unfossiliferousSuccess Creek Group - mudstone, quartzite,
dolomite, mixite (?Eocambrian)

SOUTH AND EAST OF HENTY FAULT ZONE

Tyndall Group and correlates - (late Middle to
Late Cambrian) - mainly quartz-feldspar-phryic
volcanics and volcanoclastic conglomerates

Sticht Range Beds - quartzwacke,
siltstone, siliclastic conglomerate

Unconformity, ?disconformity

Central Volcanic Sequence - rhyolitic to
dacitic volcanics, mainly felsic tuff

Andesitic volcanics and intrusives

Shale-siltstone horizons

Volcano-Sedimentary Sequence - greywacke,
siltstone, felsic tuff

Mainly felsic tuff

Basaltic volcanics (hololeitic variety VSa)

Quartzwacke-siltstone

UNASSIGNED CAMBRIAN UNITS

Felsic volcanics

Sedimentary units, including Farrell Slate

Volcano-sedimentary sequence

CAMBRIAN INTRUSIVE ROCKS

Granite

Felsic porphyry - mostly quartz-feldspar-phryic

Gabbro

Ultramafic rocks and serpentinite

Unconformity

PRECAMBRIAN

Onah Formation correlate

Concord Schist

Metamorphosed Precambrian of Tyennan region

Geological boundary - approximate

Fault - approximate

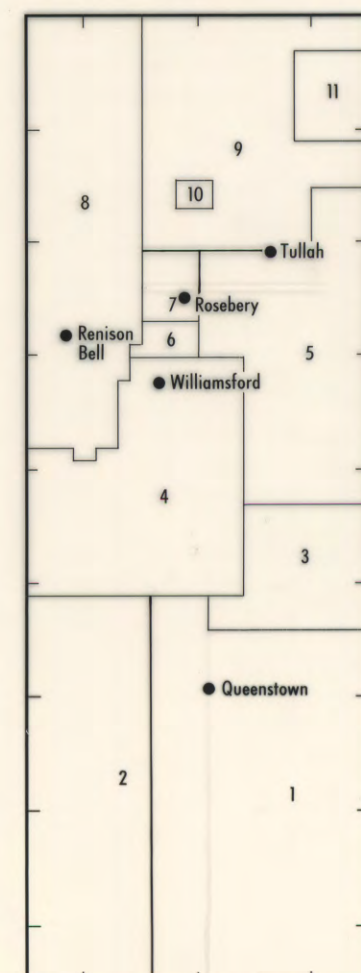
Bedding - facing known, overturned

Trace of anticline, syncline

Cambrian fossil locality

Mine, Prospect

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CARTOGRAPHY BY J.H. CLARKE, D.M. HARDY AND A.J. HOLICK