GEOLOGICAL SURVEY OF TASMANIA

REGIONAL GEOLOGY of the DUNDAS — MT. LINDSAY — MT. RAMSAY AREA

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1 0.5 0 1 2 KILOMETRES

SCALE 1 : 25 000

1983

CAINOZOIC

QUATERNARY
- Qra — Marsh and swamp deposits; alluvium; river gravels; talus.
- Qg — Glacial derived deposits : outwash conglomerate, gravel and sand.

Angular unconformity.

PALAEOZOIC

DEVONIAN
- Db — Sandstone, siltstone and mudstone (correlate of Bell Shale).
- Df — Quartz sandstone sequence (correlate of Florence Quartzite).

SILURIAN
- Sas — Siltstone, mudstone and calcareous siltstone with limestone (Sal) and quartz sandstone (Sas) layers (correlate of Austral Creek Siltstone, Keel Quartzite, Amber Slate).
- Sa — (Sas)
- Sal — (Sas)
- Sc — Quartz sandstone with minor mudstone and granule conglomerate layers (correlate of Crotty Quartzite).

S – Du

ORDOVICIAN ?
- Ol — Limestone and impure limestone with variable texture (correlate of Gordon Limestone).
- Os — Quartz sandstone and minor siltstone

CAMBRIAN ?
- €dlm — Poorly sorted conglomerate, sandstone and siltstone (€dl) with indurated siltstone horizon (€dlc) indicated (upper part of Brewery Junction up to and including the Misery Conglomerate (€dlm),

Fault contact (Dundas Region).

- €dl — (€dlm)
- €db — Interbedded sandstone and siltstone (lower part of Brewery Junction Formation).
- €dra — Poorly-sorted conglomerate, pebbly sandstone and sandstone, all dominantly chert derived, with minor acid tuff horizons ( ) indicated. (Razorback Conglomerate).
- €mu — €dh — Siltstone and mudstone with minor sandstone. (Hodge Slate).
- €dra — Poorly-sorted volcaniclastic polymic conglomerate. (Red Lead Conglomerate).
- €dj — Sandstone, siltstone and mudstone. (Judith Formation).

Erosional Break.

DUNDAS GROUP

HUSKISSON RIVER REGION

Equivalent units absent.

Contact relationship unknown.

- €h — Laminated siltstone; graded sandstone and lithicwacke; pebbly sandstone and conglomerate ( ) acid-intermediate tuffaceous layers ( ); and siliceous conglomerate units towards the top of the succession. Fossiliferous horizons indicated ( )

HUSKISSON GROUP

MOORES PIMPLE REGION

(Age relationship not known)

- €rg — Acid-intermediate volcaniclastic lithicwacke, tuff, siltstone and mudstone with dominantly conglomerate ( ) and quartz sandstone ( ) layers (correlates of Rosebery Group).
- €mv — Acid-intermediate tuff and minor siltstone and mudstone layers (correlate of Mount Read Volcanics).

PROTEROZOIC

EOCAMBRIAN ?
- Ecc — Volcaniclastic lithicwacke siltstone and mudstone with minor carbonate and tholeiitic basalt. Areas of dominantly basalt indicated (Eccb)
- Esrr — Red chert and mudstone with minor conglomerate and carbonate layers.
- Esu — Esr — Laminated siliceous siltstone with minor quartz sandstone and conglomerate horizons.

(Renison Bell Formation)

- Esu — Ess — Black mudstone, siltstone and minor sandstone (dominated by soft sediment and later tectonic deformation).
- Esd — Quartz sandstone with minor siltstone, pebbly sandstone and conglomerate (Dalcoath Formation).
- Esc — Poorly-sorted, immature, polymic conglomerate with sandstone lenses.

CRIMSON CREEK FORMATION

SUCCESS CREEK GROUP

Angular Landscape Unconformity.

PRECAMBRIAN
- Pu — Pom — Mudstone, siltstone, dolomite and conglomerate with minor lava and volcanic breccia.
- Pu — Pos — Indurated quartz sandstone, siltstone and mudstone. Metamorphic equivalents ( ) (Concert Schist) indicated.

OONAH FORMATION (and correlates)

IGNEOUS ROCKS

TERTIARY
- Tb — Alkali olivine basalt, with interbasalt sedimentary deposits indicated ( ) Ts

DEVONIAN
- Dg — Granitic rocks with metamorphism of surrounding country - rocks indicated (small cross overprint) : associated red/white massive quartz bodies (Dgq).

CAMBRIAN (post-Middle Cambrian)
- €g — Massive gabbro.

MIDDLE CAMBRIAN
- €b — Basalt, commonly with pillows and individual flows graded from coarse-grained base to fine-grained top; associated basalt intrusions indicated (€bi)

EOCAMBRIAN ? — CAMBRIAN ? (pre-Middle Cambrian)

€su
- €sg — Serpentinized layered peridotite with gabbro.
- €sp — Serpentinized layered peridotite and pyroxenite.
- €sd — Serpentinized dunite and interlayered pyroxene-bearing dunite (€sdp).
- €ss — Massive serpentinite.
- €sa — Amphibolite.

- Geological boundary — position approximate.
- Geological boundary — inferred.
- Geological boundary — transitional.
- Geological boundary — concealed.
- Fault — position approximate.
- Fault — inferred.
- Fault — concealed.
- Strike and dip of bedding — facing known; vertical, facing known; overturned; facing unknown; vertical, facing unknown.
- Strike and dip of compositional banding — in sedimentary rocks; in igneous rocks.
- Strike and dip of cleavage of unspecified type or relative age; vertical.
- Type of cleavage — slaty , crenulation.
- Fold hinge, with plunge and dip of axial surface; vertical axial surface.
- Early fold hinge, with plunge and dip of axial surface; vertical axial surface.
- Later fold hinge, with plunge and dip of axial surface; vertical and axial surface.
- Macrofossil locality in sparsely fossiliferous rocks.