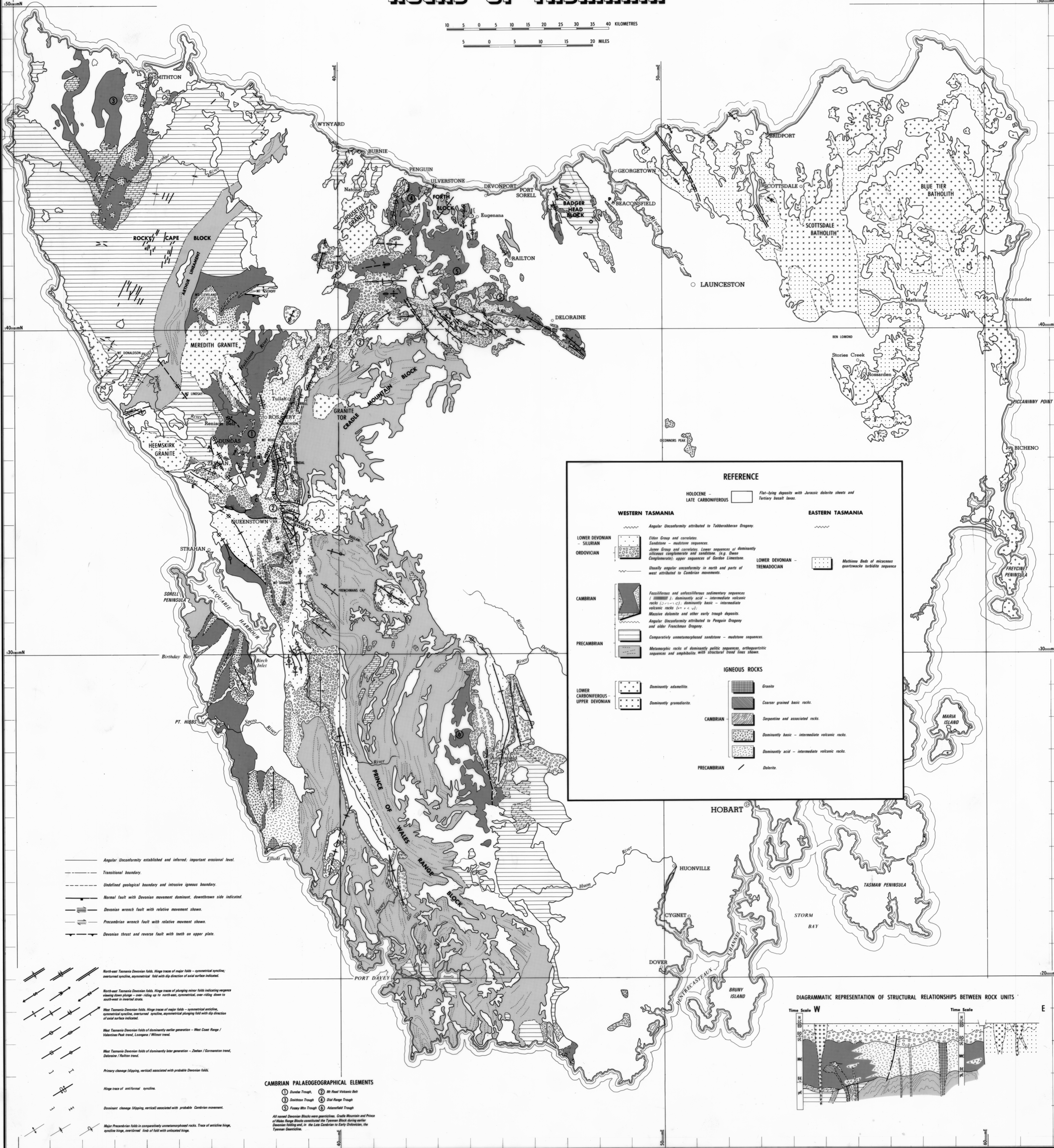
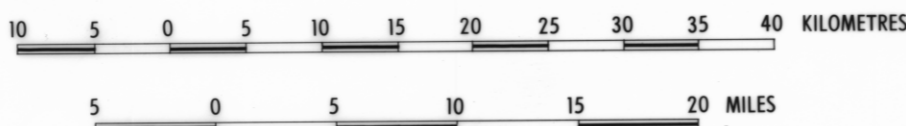


STRUCTURAL MAP OF PRE-CARBONIFEROUS ROCKS OF TASMANIA



REFERENCE

HOLOCENE - Flat-lying deposits with Jurassic detrital sheets and Tertiary basalt flows.

LATE CARBONIFEROUS

WESTERN TASMANIA

Angular Unconformity attributed to Tabberabarra Droguey.

LOWER DEVONIAN - SILURIAN - Eton Group and corollaries. Sandstone - mudstone sequences.

ORDOVICIAN - June Group and corollaries. Lower sequences of dominantly siliceous conglomerates and sandstone (e.g. Onea Conglomerate); upper sequences of Gordon Limestone.

CAMBRIAN - Fossiliferous and unfossiliferous sedimentary sequences (Murchisonia, etc.); dominantly basic - intermediate volcanic rocks (e.g. Mt. Wellington); massive dolomite and other early trough deposits. Angular Unconformity attributed to Penguin Droguey and other Frasnian Droguey.

PRECAMBRIAN - Comparatively unmetamorphosed sandstone - mudstone sequences. Metamorphic rocks of dominantly pelitic sequences, orthoquartzitic sequences and amphibolite, with structural trend lines shown.

EASTERN TASMANIA

LOWER DEVONIAN - TREMACOCCIAN - Mathinna Beds of micaceous quartzwacke turbidite sequence.

IGNEOUS ROCKS

LOWER CARBONIFEROUS - UPPER DEVONIAN - Dominantly andesitic. Dominantly granodioritic.

CAMBRIAN - Granite. Coarser grained basic rocks. Serpentine and associated rocks. Dominantly basic - intermediate volcanic rocks. Dominantly acid - intermediate volcanic rocks.

PRECAMBRIAN - Detritite.

- Angular Unconformity established and inferred, important erosional level.
- Transitional boundary.
- Undefined geological boundary and intrusive igneous boundary.
- Normal fault with Devonian movement dominant, downthrown side indicated.
- Devonian wrench fault with relative movement shown.
- Precambrian wrench fault with relative movement shown.
- Devonian thrust and reverse fault with teeth on upper plate.

- North-east Tasmania Devonian folds. Hinge traces of major folds - symmetrical synclines; overturned synclines, asymmetrical fold with dip direction of axial surface indicated.
- North-east Tasmania Devonian folds. Hinge traces of plunging minor folds indicating sequence rising down plunge - over-riding up to north-east, symmetrical, over-riding down to north-west in inverted areas.
- West Tasmania Devonian folds. Hinge traces of major folds - symmetrical anticlines, symmetrical synclines, overturned synclines, asymmetrical plunging fold with dip direction of axial surface indicated.
- West Tasmania Devonian folds of dominantly earlier generation - West Coast Range / Valentines Peak trend, Loongana / Wilton trend.
- West Tasmania Devonian folds of dominantly later generation - Zeehan / Gormanston trend, Deloraine / Ralston trend.
- Primary cleavage (flipping, vertical) associated with probable Devonian folds.
- Hinge trace of antiformal syncline.
- Dominant cleavage (flipping, vertical) associated with probable Cambrian movement.
- Major Precambrian folds in comparatively unmetamorphosed rocks. Trace of anticline hinge, syncline hinge, overturned fold of fold with uncoloured hinge.

- CAMBRIAN PALAEOGEOGRAPHICAL ELEMENTS**
- 1 Dundas Trough
 - 2 Mt Read Volcanic Belt
 - 3 Swanton Trough
 - 4 Dial Range Trough
 - 5 Foxy Mts Trough
 - 6 Adairfield Trough
- All named Devonian Blocks were generalized. Cradle Mountain and Prince of Wales Range Blocks constituted the Tasman Block during earlier Devonian folding and, in the Late Cambrian to Early Ordovician, the Tasman Dismemberment.

