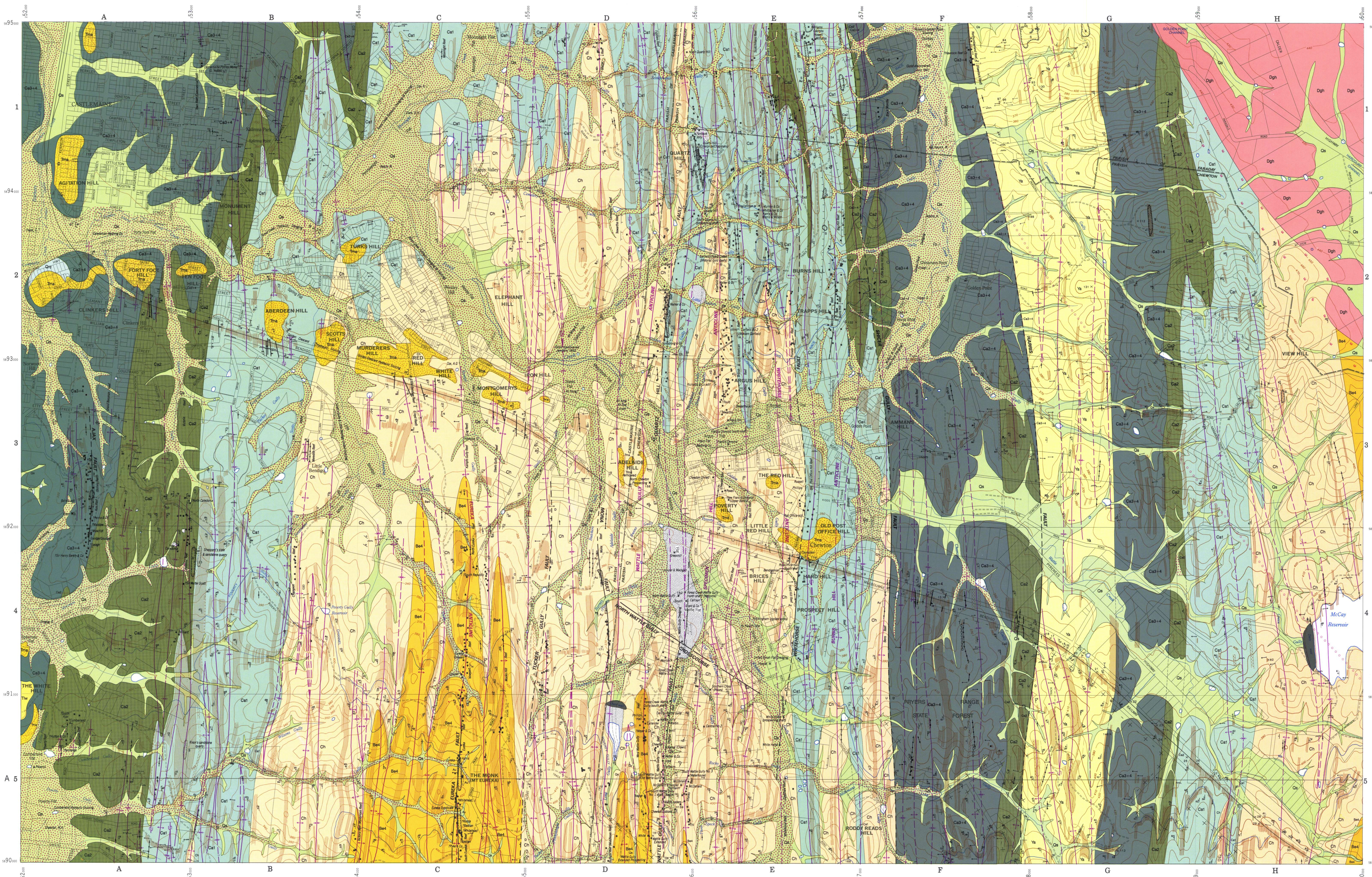


CASTLEMAINE GOLDFIELD - CASTLEMAINE-CHEWTON
GEOLOGICAL SURVEY OF VICTORIA

VICTORIA 1:10 000

EPPALOCK 10 000/2/3

1:10 000 Geological Series
CASTLEMAINE GOLDFIELD
CASTLEMAINE-CHEWTON

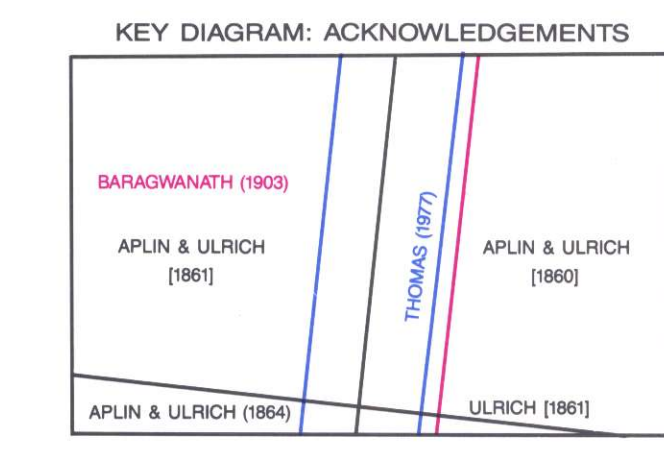


MINING COMPANY

Aberdeen Hill	12
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Adair	100

LOCALITIES OF INTEREST

1 The 'Ancient Reef' - a South Slungby adit in Castlemaine
2 Castlemaine granite
3 Castlemaine gneiss
4 Castlemaine gneiss with faulting in the Quartz Hill open cut
5 Castlemaine gneiss with faulting in the Quartz Hill open cut
6 Castlemaine gneiss with faulting in the Quartz Hill open cut
7 Castlemaine gneiss with faulting in the Quartz Hill open cut
8 Castlemaine gneiss with faulting in the Quartz Hill open cut
9 Castlemaine gneiss with faulting in the Quartz Hill open cut
10 Castlemaine gneiss with faulting in the Quartz Hill open cut

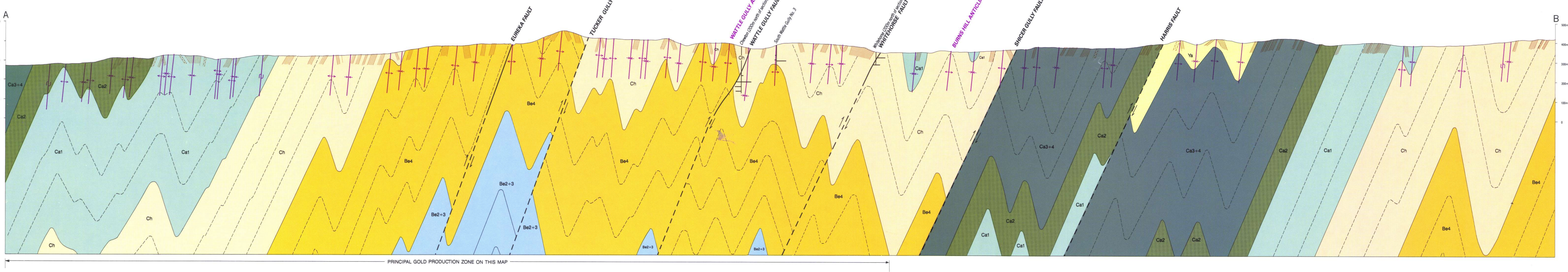


RESPONSIBILITIES AND ACKNOWLEDGEMENTS

Geology and compilation: G.E. Wilson, 1982-1983 & 1985-1989

Acknowledgements:
Published mapping:
Appl. C.S.I.R. & Lurch, G. (1980) Quarter sheet 13 284 1 mile to two inches geological map. Geological Survey of Victoria.
Appl. C.S.I.R. & Lurch, G. (1981) Quarter sheet 14 285 1 mile to two inches geological map. Geological Survey of Victoria.
Appl. C.S.I.R. & Lurch, G. (1982) Quarter sheet 15 286 1 mile to two inches geological map. Geological Survey of Victoria.
Appl. C.S.I.R. & Lurch, G. (1983) Quarter sheet 16 287 1 mile to two inches geological map. Geological Survey of Victoria.
Appl. C.S.I.R. & Lurch, G. (1984) Quarter sheet 17 288 1 mile to two inches geological map. Geological Survey of Victoria.
Appl. C.S.I.R. & Lurch, G. (1985) Quarter sheet 18 289 1 mile to two inches geological map. Geological Survey of Victoria.
Unpublished mapping:
C.S.I.R. 1981-1984. Geology and gold mineralisation, Chewton goldfield, Victoria. Unpubl. Rep. Geol. Surv. Victoria, Melbourne.
Supervising Geologist, Geological Mapping, P.J. O'Shea, (Unpubl. C.S.I.R. Geology, Direct. Geological Survey, 1984)
Geology, Geological Survey, T.D. Clouston.
Cartography: S. Hall (1984)
Manager, Cartography, G.P. Under.
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Bibliographic reference: WILSON, G.E. 1984. Castlemaine goldfield - Castlemaine-Chewton 1:10 000 geological map. Geological Survey of Victoria.

SECTION SCALE
Horizontal Scale: 1:10 000
Vertical Scale: 1:10 000



STRATIGRAPHIC LEGEND

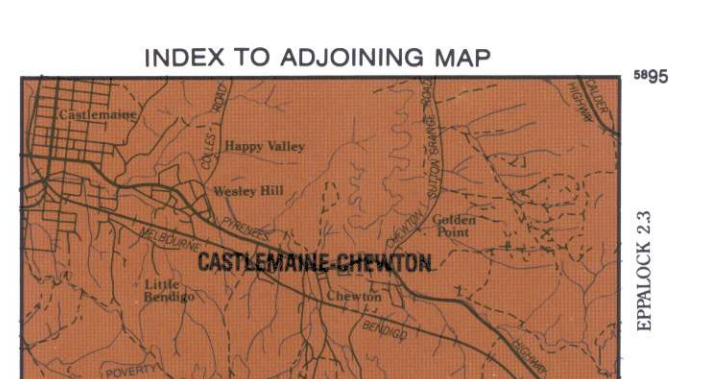
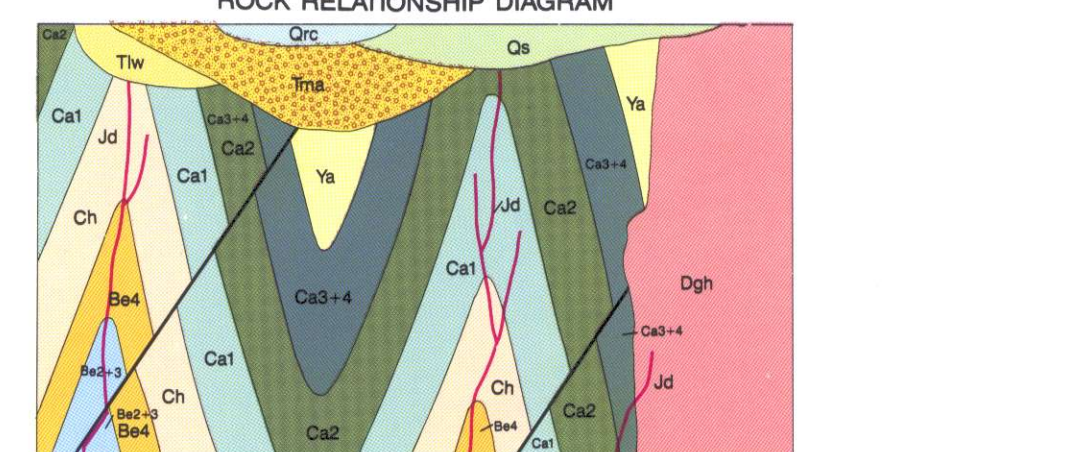
PERIOD	EPOCH	STAGE	SEDIMENTARY		IGNEOUS
			Name	Aluvial / Coluvial	
QUATERNARY	RECENT	PLISTOCENE	Sheppard Formation	Cdb	Cdb-1
			Cobell Formation	Cdb-2	
	TERTIARY	MIOCENE	White Hills Gravel	Wh	Cdb-3
			Hartout Granodiorite	Dgn	
JURASSIC	UPPER	Nonconformity			
		Nonconformity			
DEVONIAN	UPPER	Major Deformation			
		Major Deformation			
ORDOVICIAN	LOWER	Yapanian	Ys	Cdb-4	
		Castlemaine Zone 2 + 4	Cdb-4		
		Castlemaine Zone 3	Cdb		
		Castlemaine Zone 1	Cdb		
		Castlemaine Zone 1 + 2	Ch		
		Castlemaine Zone 1 + 3	Bed		

SCALE 1:10 000
METRES 0 100 200 300 400 500 600 700 800 900 1 000
1 KILOMETRE

AUSTRALIAN MAP GRID - TRANSVERSE MERCATOR PROJECTION
HORIZONTAL DISTANCE METRES
VERTICAL DISTANCE METRES

SYMBOL LEGEND

SYMBOL	DESCRIPTION
---	Geological boundary
---	Geological boundary - contact
---	Bedding trend showing dip (after Thomas 1977)
---	Reverse bed triangles on upthrown side position unconformable
---	Roll-up fold - indicates resistant surface position internal
---	Strike-slip fault - shows relative sense of movement (position unconformable)
---	Artificial position unconformity
---	Artificial position internal
---	Spine position unconformable
---	Reverse bed couple merging into one of adjacent bed position unconformable
---	Minor parasitic fold, indicative of a fold fringe
---	Major parasitic fold, indicative of a fold fringe
---	Stratigraphic plunging direction
---	Bedding orientation - inhomogeneous
---	Bedding orientation - homogeneous
---	Bedding orientation - plunging (dip-slip)
---	Bedding orientation - plunging (dip-slip) - inhomogeneous
---	Apparent line of contact misrepresentation
---	Cleavage orientation - inhomogeneous
---	Lineation



GEOLOGICAL SURVEY OF VICTORIA
1:10 000 Geological Map Series
CASTLEMAINE GOLDFIELD
CASTLEMAINE-CHEWTON
EPPALOCK 10 000/2/3
Edition 1

Department of Agriculture, Energy & Minerals
Geological Survey of Victoria



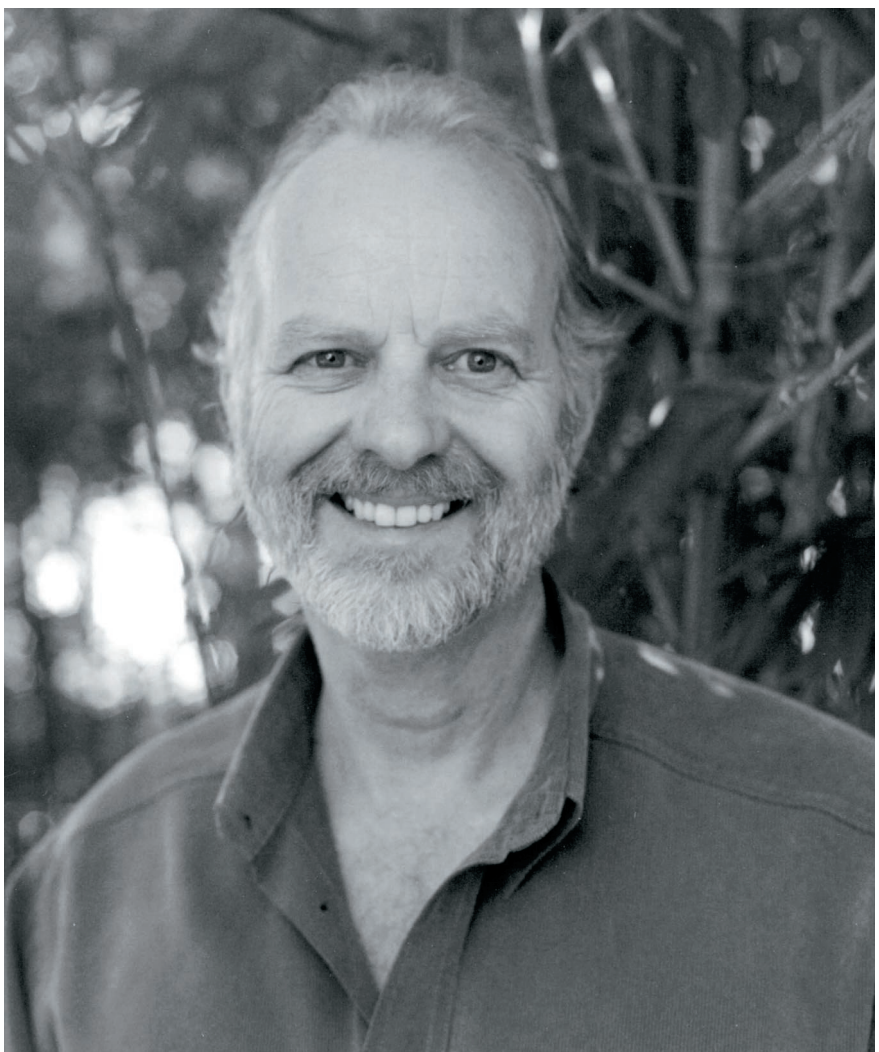
Castlemaine–Chewton & Fryers Creek 1:10 000 geology (1994)

The Geological Survey reintroduced detailed mapping of key goldfield areas at 1:10 000 scale in the 1980s.

Clive Willman's maps of the Castlemaine–Chewton and Fryers Creek goldfields use coloured bands to indicate different rock layers. The boundaries between layers were determined by examination of rock structures in the field (in much the same way as Willman's 19th-century counterparts had done), as well as from information conveyed by graptolite fossils about the layers' relative age.

In the eastern part of both maps, a dramatic geological change is apparent, coinciding with an absence of gold workings.

These two maps were the last produced by pre-digital cartographic methods.



Clive Willman