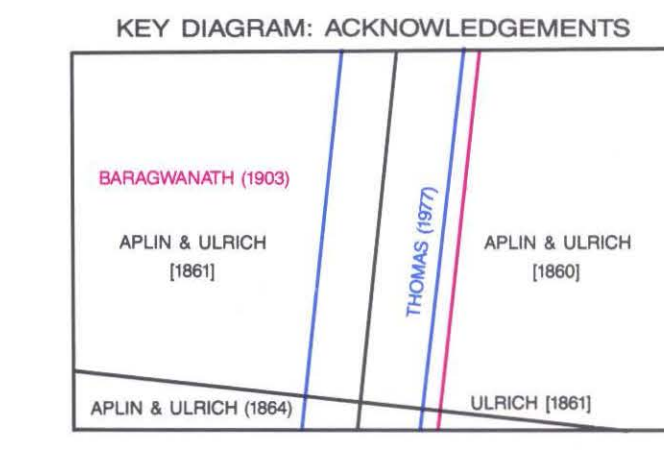


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LOCALITIES OF INTEREST

- 1 The 'Ancient Reef' - a south plunging anticline in Castlemaine
- 2 Calvert Formation gravel
- 3 Castlemaine Supergroup exposed by sludge mining showing S&S, S&C, S&E, S&F, S&G, S&H, S&I, S&J, S&K, S&L, S&M, S&N, S&O, S&P, S&Q, S&R, S&S, S&T, S&U, S&V, S&W, S&X, S&Y, S&Z
- 4 Major Castlemaine Supergroup ventifact zone
- 5 Major Castlemaine Supergroup ventifact zone



RESPONSIBILITIES AND ACKNOWLEDGEMENTS

Geology and compilation: C.E. Wilson, 1982-1983 & 1983-1983

Published mapping:

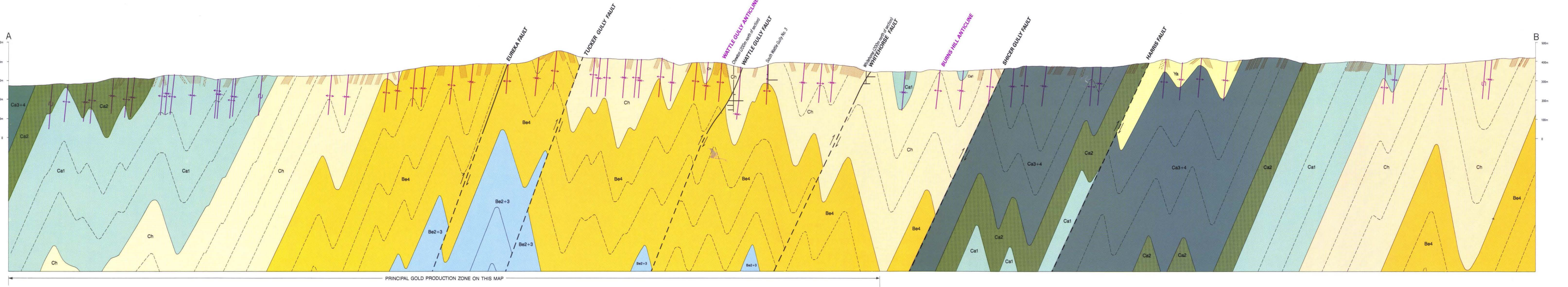
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Unpublished mapping:

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- Carlson, J.P. (1981) Geology and gold mineralisation, Chewton goldfield, Victoria, B.S. Cox (Eds), Mineral Resources, Melbourne.
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- General Manager, Geological Survey, Victorian Division
- Geography, S. Hill (1984)
- Manager, Geological, J.P. O'Shea

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Bibliographic reference: WILSON, C.E., 1983. Castlemaine goldfield - Castlemaine-Chewton 1:10 000 geological map, Geological Survey of Victoria.



STRATIGRAPHIC LEGEND

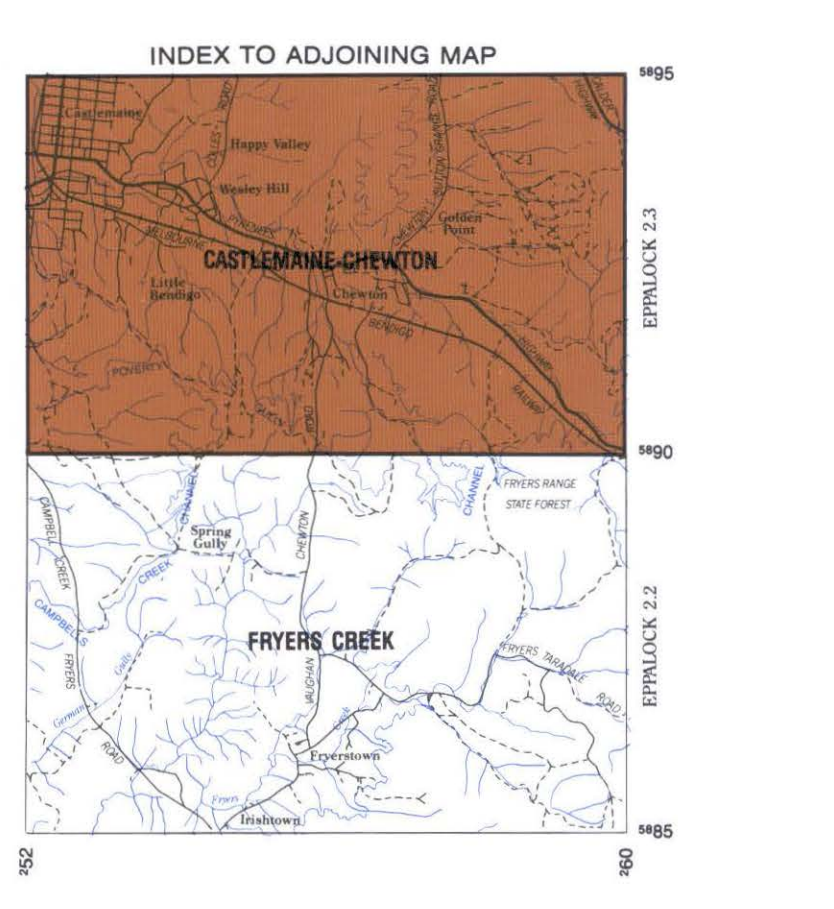
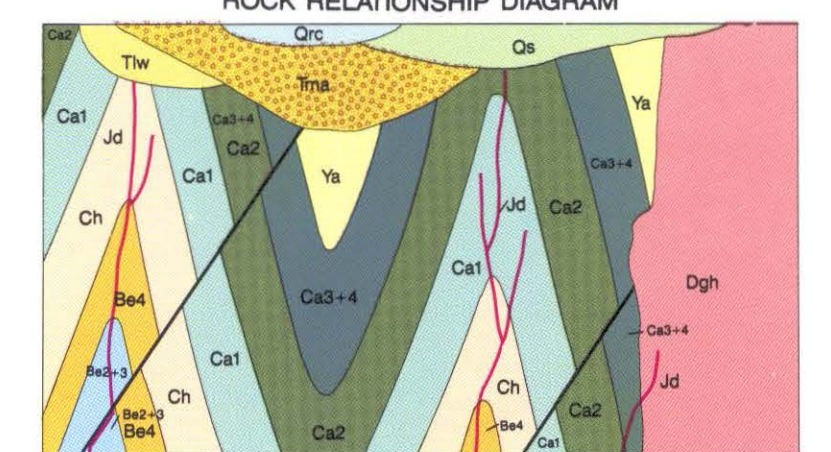
PERIOD	EPOCH	STAGE	SEDIMENTARY		IGNEOUS	
			Matrix	Normative	Matrix	Normative
QUATERNARY	RECENT	Alluvial	Qa	Qa	Qa	Qa
			Qb	Qb	Qb	Qb
			Qc	Qc	Qc	Qc
			Qd	Qd	Qd	Qd
			Qe	Qe	Qe	Qe
TERTIARY	PLIOCENE	Middle	P3	P3	P3	P3
			P2	P2	P2	P2
			P1	P1	P1	P1
			P0	P0	P0	P0
			P-1	P-1	P-1	P-1
TERTIARY	MIOCENE	Oligocene	M3	M3	M3	M3
			M2	M2	M2	M2
			M1	M1	M1	M1
			M0	M0	M0	M0
			M-1	M-1	M-1	M-1
TERTIARY	Eocene	Palaeocene	E3	E3	E3	E3
			E2	E2	E2	E2
			E1	E1	E1	E1
			E0	E0	E0	E0
			E-1	E-1	E-1	E-1
JURASSIC	UPPER	Nonconformity	J3	J3	J3	J3
			J2	J2	J2	J2
			J1	J1	J1	J1
			J0	J0	J0	J0
			J-1	J-1	J-1	J-1
DEVONIAN	UPPER	Nonconformity	D3	D3	D3	D3
			D2	D2	D2	D2
			D1	D1	D1	D1
			D0	D0	D0	D0
			D-1	D-1	D-1	D-1
OROVICHIAN	LOWER	Major Deformation	O3	O3	O3	O3
			O2	O2	O2	O2
			O1	O1	O1	O1
			O0	O0	O0	O0
			O-1	O-1	O-1	O-1

CASTLEMAINE SUPERGROUP

- Qa Coluam, hollow deposit, gravel, sand and clay, moderately to poorly sorted, unconsolidated. Derived mainly from the Shepparton Formation.
- Qb Gully alluvium, unconsolidated, original remaining and tapering layers largely destroyed by mining. Underlying areas consist of interbedded pebbles and coarse gravel overlain by pebbly sand and clay.
- P3 Perseus feldspathic gravel deposits, pebbles and coarse gravel, sandy, reddish to clay, rich sandstone, and siliceous, lenticular, bedding, generally moderate sorted and consolidated, ferruginous conglomerate layers frequently form 'hard' 'beats'. Clasts composed of quartz, calcareous silt and moderately coarse. Along the boundary or locally removed across deposits.
- M3 Perseus feldspathic gravel deposit, coarse and coarse gravel and ferruginous conglomerates, poorly to moderately sorted, mainly rounded to sub-angular. Mining has removed most of the deposit.
- D3 Granodiorite and adamellite, grey, medium grained, augeniferous, includes aplitic and pegmatitic dikes.
- O3 Randomly fine to very coarse grained, with interbedded chlorite and shaly quartzites, siliceous, fine to medium grained. Color varies from grey to yellow-brown in sandstone and shaly and grey-green to purple or black. Original bedding structure and potential sandstone are frequently graded, amalgamated and cross-bedded, minor interbedded shaly shales not to be confused with the fossiliferous shales. Shale and siltstone has been converted to slate by regional low pressure/low temperature metamorphism.

SYMBOL LEGEND

GEOLOGY		TOPOGRAPHY	
Geological boundary	Sandstone, fine to medium grained	Road, street, road reserve	SPRINT 35
Geological boundary, concealed	Sandstone, coarse to very coarse grained	Motorway track	
Bedding trend showing slip (after Thomas, 1977)	Siltstone and shale	Railway line	
Reverse fault, triangles on upthrown side position unaccomplished	Shale	River locality with reference number	
Right, left indicate relative movement, upthrown position indicated	Shale	River name	CHEWTON
Strike slip fault, arrows indicate relative movement, position unaccomplished	Shale with workings, large patches of workings	Water channel, dam	
Anticline position unaccomplished	Open cut, gold mine	Dam	
Anticline position indicated	Shale quarry	Water race	
Syncline position unaccomplished	Mine heap	Contour (10 metre interval)	
Platonic bed coupe merging into line of adjacent fault, position unaccomplished	Mine tailings heap (battery 'lands')		
Minor parasitic fault, indicates of a belt fringe	Underground mine workings section only		
Stratigraphic plunging direction	Alluvial (diggins) quarries named where known		
Bedding orientation, interbedded	Erosion locality number		
Bedding orientation with plunging direction/unturned	Bedding form (line section only)		
Bedding orientation with plunging of S.S. location	Approximate limit of contact metamorphism		
Change orientation, nonhorizontal	Hornfels, contact aureole and quartzite		
Locality vein			



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