LAND CONSERVATION COUNCIL
VICTORIA

NORTH CENTRAL STUDY AREA

GEOLOGY

Scale 1:250,000

MILES 10 5 0 10 MILES
KILOMETRES 15 10 5 0 15 KILOMETRES

Key to Published Geological Survey of Victoria 1:250 000 geological maps

ST ARNAUD SJ 54-4 | BENDIGO SJ 55-1 | BALLARAT SJ 54-8 | MELBOURNE SJ 55-5

Fault
Reverse Fault
Fault Inferred
Anticline
Syncline
Dyke
Site of Geological Interest
Contact metamorphism-hornfels, quartzite, spotted slate
Contact metamorphism-schist, knotted schist, spotted hornfels

ERA	PERIOD		AGE (million years)	SEDIMENTARY: GLACIAL / FLUVIOGLACIAL	SEDIMENTARY: AEOLIAN	SEDIMENTARY: COLLUVIAL	SEDIMENTARY: ALLUVIAL / LACUSTRINE	SEDIMENTARY: COASTAL	SEDIMENTARY: MARINE	IGNEOUS: EXTRUSIVE	IGNEOUS: INTRUSIVE
CAINOZOIC	QUATERNARY	Recent	0.01		Qe	Qc	Qa				
		Pleistocene	1.8				Qa				
	TERTIARY	Pliocene	5				Tp	Tpy		Tpv	
		Miocene	23				Tp		Tmm		
		Oligocene	39					Tpy			
		Eocene	55								
		Palaeocene	65								
	Extended Period of Erosion		260								
PALAEOZOIC	PERMIAN	Lower	289	P							
	Major Unconformity		367								
	DEVONIAN	Upper								Dbq	
		Middle								Dg	
		Lower	416							Dls / Dv	Dbq
	SILURIAN		446							Ss	
	ORDOVICIAN	Upper								Dms	
		Middle								Dls	
		Lower	509								
	CAMBRIAN	Upper									
		Middle								€	
		Lower	575								

Qc *Cranenbridge Formation and equivalents .Clay , sand , sandy clay : terraces with scroll patterns , or plains with network of channels . Grey colour , slight soil development. Swamp and lake deposits.*

Qrc *Fan deposits, hillwash, scree.*

Qe *Wind laid deposits : sand sheets, east west dunes, source bordering dunes, lunettes of several phases of deposition. Clay, gypseous clay, silt, sand.*

Qa *Shepparton Formation and equivalents. Clay, silt, sand, gravel. Qa1 Qa2 Qa3 Qa4 Qa5 Qa6 Qa7 Qa8 Qa9 Qa10 Qa11 Qa12 Qa13 Qa14 Qa15 Qa16 Qa17 Qa18 Qa19 Qa20 Qa21 Qa22 Qa23 Qa24 Qa25 Qa26 Qa27 Qa28 Qa29 Qa30 Qa31 Qa32 Qa33 Qa34 Qa35 Qa36 Qa37 Qa38 Qa39 Qa40