



Tertiary		65 to 1.6 Ma Sand, clay, calcrete and lucastrine limestone in inland palaeodrainage	Neoproterozoic		1000 to 545 Ma Pioneer, Olympic, and Pertatataka Formations Sandstone, dolostone, limestone, diamictite
Cretaceous		141 to 65 Ma Mudstone, shale			1000 to 545 Ma Areyonga and Aralka Formations Siltstone, dolostone, limestone, sandstone, diamictite
Devonian		410 to 354 Ma Sandstone, limestone			1000 to 545 Ma Heavitree Quartzite and Bitter Springs Formation Quartzite, sandstone, conglomerate, dolostone, shale
Ordovician		490 to 434 Ma Sandstone, shale, dolostone			1000 to 545 Ma Harts Range Group Migmatic metapelite, metabasite, calc-silicate, marble, quartzite
Cambrian		492 to 486 Ma Sandstone, shale, dolostone	Palaeoproterozoic		1800 to 1700 Ma Granite/gneiss Felsic and mafic gneiss, metavolcanics, metapelite
		498 to 492 Ma Dolostone, limestone, sandstone			1850 to 1800 Ma Strangways Metamorphic Complex Felsic and mafic gneiss, metavolcanics, metapelite
		509 to 498 Ma Limestone, shale			

Quaternary		Sand
Tertiary		Austral Downs Limestone
Jurassic - Cretaceous		sandstone, shale, conglomerate
Triassic		Tarlton Formation
Cambrian		Hay River Formation Arrinthrunga Formation Marqua Formation Red Heart Dolomite Marqua Beds
Neoproterozoic		Gnallan-A-Gea Arkose Grant Bluff Formation Field River Beds
Palaeoproterozoic		Teikens Granite Complex Mount Dobbie Granite
		Mount Smith Metamorphics

GDA94 Zone 53

Figure 2
AusQuest Limited
Marqua Project
EL25505
Regional and
Local Geology