REFERENCE

CAINOZOIC	QUATERNARY		Qra	Alluvium and river gravel
			Qrl	Lake deposits—clay and gypsum
			Qqs	Eolian sands
			Qqc	Colluvium—partly consolidated
	TERTIARY		Czk	Calcrete and calcareous gravel with opaline silica
			Czl	Laterite and lateritic gravel; mostly residual on Phanerozoic rocks
			Czx	Deeply weathered rock. Weathering mainly affects Phanerozoic rocks
PALAEOZOIC	? PERMIAN		P	Sandstone, porcelanous siltstone, and pebble beds. Fluvioglacial and glacial deposits containing abundant striated pebbles
	? ORDOVICIAN		Oy	**TABLE HILL VOLCANICS:** basalt, pumice agglomerate, and rare tuff
UPPER PROTEROZOIC			Ꝑa	Glacial deposits—includes boulder beds, sandstone, and chocolate, cream and green shale
MIDDLE PROTEROZOIC	Bentley Supergroup	Mission Group	Ꝑws	**TOWNSEND QUARTZITE:** thick-bedded quartzite, flaggy sandstone, and pebble beds. Cut by thin quartz veins
			Ꝑml	**MILESIA FORMATION:** basalt, conglomerate, quartzite, greywacke, and shale
			Ꝑml	**LILIAN FORMATION:** shale, tuff, basalt, chert, conglomerate, and rare dolomite
			Ꝑms	**FRANK SCOTT FORMATION:** thin-bedded dolomite, siltstone, chert, and sandstone. Contains *stromatolites*
			Ꝑmg	**GAMMINAH CONGLOMERATE:** conglomerate and coarse, cross-bedded sandstone
		Cassidy Group	Ꝑym	**MILLER BASALT:** numerous epidotic basalt flows. Mostly 25 to 50 feet thick with vesicular and amygdaloidal flow tops
			Ꝑyh	**HILDA RHYOLITE:** rhyolite, porphyritic
			Ꝑyw	**WARUBUYU BASALT:** epidotic basalt flows with vesicular and amygdaloidal tops
			Ꝑys	Shale, siltstone, marl, and tuff
			Ꝑyt	**THOMAS RHYOLITE:** rhyolite, porphyritic
			Ꝑyg	**GURGADI BASALT:** epidotic basalt flows with vesicular and amygdaloidal tops
			Ꝑye	Fine-grained silty sediments; some sandstone
			Ꝑyb	**GOMBUGURRA RHYOLITE:** rhyolite, porphyritic
			Ꝑyd	Fine-grained silty sediments; some sandstone and pebble beds; very minor basalt
			Ꝑyw	**WURURU RHYOLITE:** rhyolite, porphyritic
		Palgrave volcanic association	Ꝑpp	Porphyritic acid volcanic rocks. Some white pyritic rhyolite
			Ꝑpo	Devitrified obsidian; abundant perlitic cracks
			Ꝑpa	Agglomerate—acid volcanic fragments
			Ꝑpt	Feldspathic, grey-green tuff with thin conglomerate containing rhyolite pebbles
		Scamp volcanic association	Ꝑsa	Acid volcanic rock—porphyritic, carries *fluorite*; abundant flow-banding. Some white pyritic rhyolite
			Ꝑsb	Basic lava and agglomerate, composed of basic volcanic fragments
			Ꝑsf	Felsite—fine-grained saccharoidal rock; altered Ꝑsa
		Pussy Cat Group	Ꝑcg	**GLYDE FORMATION:** basic, epidotic, amygdaloidal lavas, tuff, shale, siltstone and dolomite. Regionally metamorphosed in western outcrop
			Ꝑcw	**KATHLEEN IGNIMBRITE:** flow-banded, contains devitrified glass shards at top. Some white pyritic rhyolite

Not part of regional layering. Confined to cauldron subsidence areas

INTRUSIVE ROCKS

MIDDLE PROTEROZOIC	d	Dolerite dykes
	Ꝑpg	Granophyre and granite. Minor marginal porphyritic microgranite: genetically related to the Palgrave volcanic association
	Ꝑpc	Porphyritic microgranite—related to Ꝑpg
	Ꝑga	Aplite
	Ꝑo	Gabbro—part of Giles Complex
	Ꝑgn	Granitic gneiss
	b	Dolerite sill