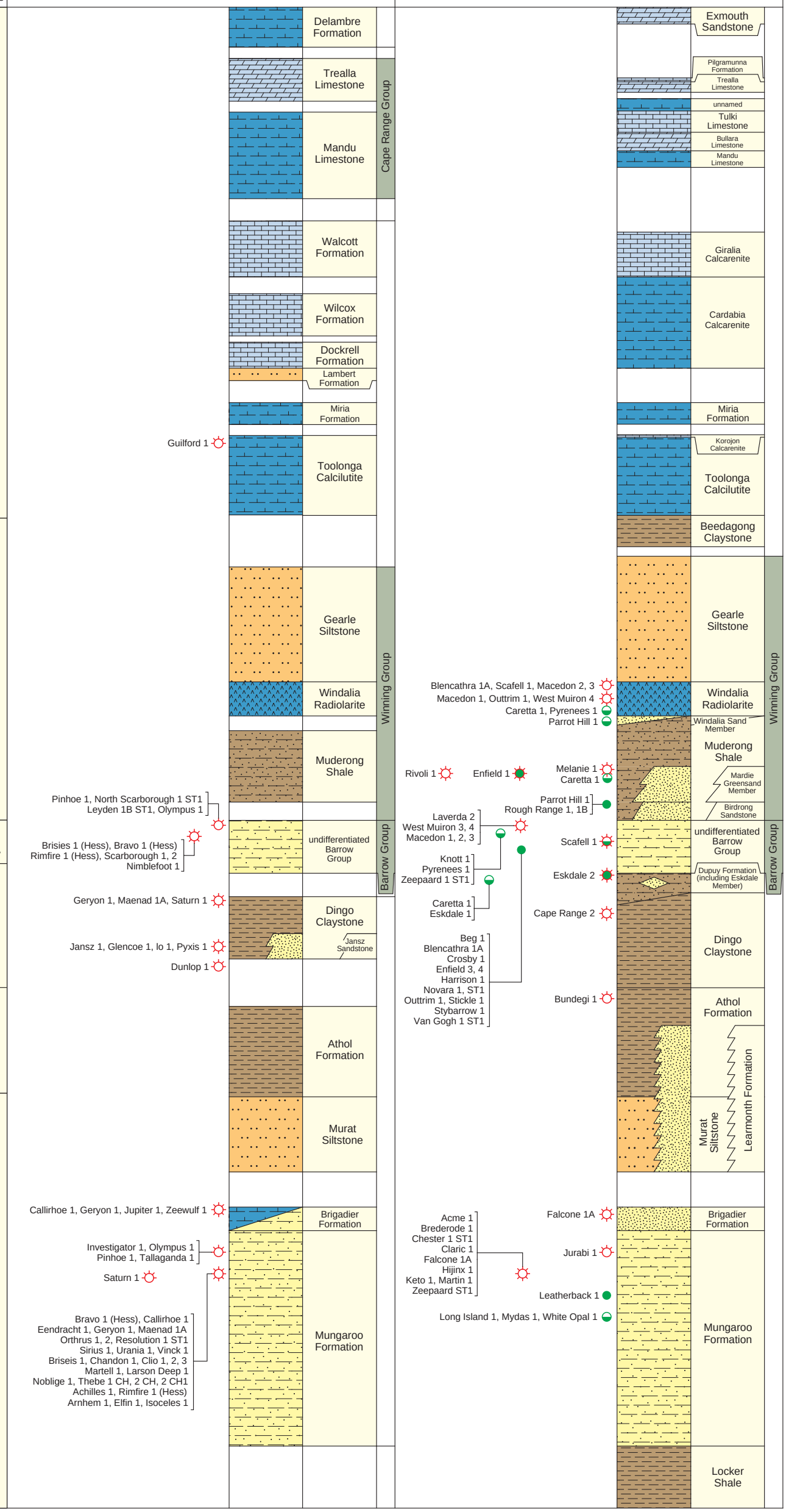
Age (Ma)	Period	Epoch	Stage	Depositional environments	Seismic horizon (AGSO, 2001)	Basin phases
	QUATERNARY	Holocene	Lt. Pleist.	Marine		
		Pleistocene	M. Pleist.			
			E. Pleist.			
	NEOGENE	Pliocene	Gelasian			
			Piacenzian			
			Zanclean			
			Messinian		Late Miocene	
10		Miocene	Tortonian			
			Serravallian			
			Langhian			
20			Burdigalian		Base Miocene	
			Aquitanian			
	PALEOGENE	Oligocene	Chattian			
30			Rupelian		Mid Oligocene	
		Eocene	Priabonian			
40			Bartonian			
			Lutetian			
50			Ypresian		Base Eocene	
		Paleocene	Thanetian			
60			Selandian			
			Danian		Base Tertiary	
70	CRETACEOUS	Late	Maastrichtian			
			Campanian			
80			Santonian			
			Coniacian	Marine		Passive margin
90			Turonian		Turonian	
			Cenomanian			
100		Early	Albian			
110						
			Aptian		Aptian	
120			Barremian			
			Hauterivian			
130			Valanginian		Valanginian	
			Berriasian	Deltaic	Base Cretaceous	Late syn-rift
140	JURASSIC	Late	Tithonian			
			Kimmeridgian	Marine and fluvial		
150			Oxfordian			Main syn-rift
			Callovian		Callovian	
160		Middle	Bathonian			
			Bajocian			
170			Aalenian	Marine and deltaic		Early syn-rift
		Early	Toarcian			
180			Pliensbachian			
190			Sinemurian	Marine		
			Hettangian		Base Jurassic/ top Triassic	
200	TRIASSIC	Late	Rhaetian			
			Norian	Fluvial to marine		Pre-rift active margin
210						
220			Carnian			
230					Intra-Triassic marker	
240		Middle	Ladinian			
			Anisian	Marine		
250		Early	Olenekian			
			Induan			



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Sandstone
Clayey sandstone
Limestone
Reef Limestone
Marl
Radiolarite
Claystone
Sandy claystone
Siltstone
Oil discovery
Gas discovery
Oil and gas discovery
Gas discovery and oil show
Oil show
Gas show