Age (Ma)	Period	Epoch	Stage	Sequences	Basin phases	Seismic horizons (GA 2014)
0	QUATERNARY	Holocene / Pleistocene	Tarantian (U. Pleist.) / Ionian (M. Pleist.) / Calabrian / Gelasian			
5	NEOGENE	Pliocene	Piacenzian / Zanclean	T40	Inversion (2)	Timio
		Miocene	Messinian			
10			Tortonian	T30		Tmmio
			Serravallian			
15			Langhian			
			Burdigalian			Temio
20			Aquitanian			
25	PALEOGENE	Oligocene	Chattian			
			Rupelian			Tolig
30						
35		Eocene	Priabonian	T20		
			Bartonian			
40			Lutetian			
45						
50			Ypresian			Teoc
						Tpal
55		Paleocene	Thanetian			
60			Selandian	T10		
			Danian			Tbase
65	CRETACEOUS	Late	Maastrichtian		Thermal subsidence (2)	Kmaas
70				K60		Klcamp
			Campanian			
75						Kecamp
80			Santonian			
			Coniacian	K50		
85			Turonian			
90						Ktur
			Cenomanian			
95		Early				
100			Albian	K40		
105						Kalb2
						Kalb1
110			Aptian			Kapt
115						
120			Barremian	K30		Kbar
			Hauterivian	K20		
125						Kval
130			Valanginian			
			Berriasian	K10		Kbase
135	JURASSIC	Late	Tithonian	J50		
140						Jtith
145			Kimmeridgian	J40		Jkimm
150			Oxfordian			
155		Middle	Callovian	J30		Jcal
			Bathonian			
160			Bajocian	J20	Extension (2)	
			Aalenian			Jearly
165		Early	Toarcian			
170						
175			Pliensbachian			
180						
185			Sinemurian			Jbase
190			Hettangian	J10		
195	TRIASSIC	Late	Rhaetian	TR30		
200			Norian	TR20	Inversion (1)	
205						
210						
215						
220			Carnian			Trmid
225				TR10	Thermal subsidence (1)	
230		Middle	Ladinian			
235			Anisian			
240		Early	Olenekian			
245			Induan			P
250	PERMIAN	Lopingian	Changhsingian	P50		
255			Wuchiapingian			
260		Guadalupian	Capitanian			
265			Wordian			
270			Roadian			
275		Cisuralian	Kungurian			
280						Pearly
285			Artinskian		Extension (1)	
290			Sakmarian			
295			Asselian			
300	CARBONIFEROUS	Late Pennsylvanian	Gzhelian			
305			Kasimovian			
310		Middle Pennsylvanian	Moscovian			
315		Early Pennsylvanian	Bashkirian			

Caswell Sub-basin

Barracouta Shoal Formation		Woodbine Group
Oliver Formation		
Cartier Formation		
undifferentiated		
Argus 1, Phrixus 1	Bassett Formation	
Abalone 1 ST1, Gryphaea 1, Discorbis 1; Marabou 1 ST1, Argus 1	Puffin Formation	Bathurst Island Group
Caswell 2, 2ST2	Fenelon Formation	
Abalone 1 ST1	Brown Gannet Limestone	
Discorbis 1	Woolaston Formation	
Phrixus 1, Ichthys 2A ST1, Caswell 1	upper Jamieson Formation	
Adele 1, Abalone 1 ST1, Rondo 1	lower Jamieson Formation	
Adele 1; Abalone 1 ST1, Abalone Deep 1, Caswell 1, Caswell 2 ST1, Rondo 1, Schooner 1, Walkley 1	Asterias Member; Echuca Shoals Formation	
Brewster 1A ST1, Dinichthys 1, Echuca Shoals 1, Gorgonichthys 1, Ichthys 1A, 2A ST2, Titanichthys 1, Burnside 1 ST1, Ichthys Deep 1, Concerto 1 ST1, Dinichthys North 1, Ichthys North 1, Tocatta 1; Buccaneer 1; Caswell 2 ST1	Brewster Member (upper Vulcan Formation); upper Vulcan Formation; lower Vulcan Formation	Swan Group
Asterias 1 ST1, Heywood 1	Montara Formation	
Kalyptea 1 ST1, Kaleidosscope 1, Saucepan 1, Ichthys North 1, Fossetmaker 1; Columba 1A ST1, Echuca Shoals 1, Prelude 1A; Columba 1 ST1; Argus 1, Lasseter 1, Ichthys 2A ST2, Ichthys Deep 1, Titanichthys 1; Dinichthys 1, Crown 1 ST1, Poseidon 2, Libra 1, Octans 1, Ichthys 2A ST2, Tocatta 1; Caswell 2 ST1, Fortissimo 1; Argus 1, Caswell 2 ST1, Ichthys 1A, Ichthys 2A ST2, Schooner 1; Crux 1; Heywood 1	Plover Formation (includes Ashmore Volcanics)	Troughton Group
Crux 1, 2 ST1, Libra 1; Brewster 1A ST1, Gorgonichthys 1, Titanichthys 1, Crux 2, Concerto 1 ST1, Dinichthys North 1, Ichthys 1A, Ichthys Deep 1, Ichthys North 1, Ichthys West 1, Libra 1, Mimia 1, Tocatta 1	Nome Formation	Sahul Group
	Challis Formation	
Octans 1, Buccaneer 1	Pollard Formation	
	Osprey Formation	
Echuca Shoals 1, Ichthys 1A	undiferentiated Kinmore Group equivalents	Kinmore Group
	undiferentiated Kulshill Group equivalents	Kulshill Group
	undiferentiated Weaber Group equivalents	Weaber Group

Barcoo Sub-basin

Barracouta Shoal Formation		Woodbine Group
Oliver Formation		
Cartier Formation		
Prion Formation		
undifferentiated Hibernia Formation		
Johnson Formation		Bathurst Island Group
Wangarlu Formation		
Fenelon Formation		
Brown Gannet Limestone		
Woolaston Formation		
upper Jamieson Formation		
lower Jamieson Formation		
Echuca Shoals Formation		
Vulcan Formation undifferentiated		Swan Group
Arquebus 1 ST1		
Arquebus 1 ST1, Sheherazade 1, Lombardina 1		
Arquebus 1 ST1, Lombardina 1, Sheherazade 1	Plover Formation	Troughton Group
	Nome Formation	Sahul Group
	Challis Formation	

PP-3997-5

Sandstone; Clayey Sandstone; Sandy Limestone; Limestone; Chalk; Claystone; Sandy claystone; Volcanics

Oil discovery; Gas discovery; Oil and gas discovery; Gas discovery and oil show; Oil and gas show; Oil show; Gas show