Age (Ma)	Period	Epoch	Stage	Otway sequences and horizons (Krassay et al, 2004)	Robe-Penola Trough	Gambier Embayment and Voluta Trough	Port Campbell Embayment	Offshore Torquay Sub-basin
0	QUATERNARY	Holocene	Tarantian					
		Pleistocene	Ionian					
			Calabrian					
			Gelasian					
5	NEOGENE	Pliocene	Piacenzian					
			Zanclean					
		Miocene	Messinian	T4	Bridgewater Formation	Bridgewater Formation	Newer Volcanics Group	Newer Volcanics Group
			Tortonian			Coomandook Formation		Wannaeue Formation
10								Moorabool Viaduct Sand
			Serravallian			Gambier Limestone (Naracoorte Limestone Member)	Port Campbell Limestone	
			Langhian					Puebla Formation
15						Gambier Limestone (Green Point Member)		
			Burdigalian		Heytesbury Group		Gellibrand Marl	
20					Gambier Limestone	Gambier Limestone (Camelback Member)		Jan Juc Formation
			Aquitanian	Heytesbury			Heytesbury Group	Torquay Group
25		Oligocene	Chattian				Clifton Formation	Point Addis Limestone
				T3				Angahook Formation
			Rupelian			Gambier Limestone (Greenways Member)	Narrawaturk Marl (upper)	Addiscot Formation
30							Wangoom Sand	
						Narrawaturk Marl	Narrawaturk Marl (lower)	Anglesea Formation
35		Eocene	Priabonian		Narrawaturk Marl			
					Nirranda Group		Nirranda Group	Salt Creek Formation
			Bartonian			Mepunga Formation	Mepunga Formation	
40					Mepunga Formation			Demons Bluff Group
			Lutetian					Boonah Formation
				T2				
45	PALEOGENE			Nirranda				undifferentiated Eastern View Group (upper)
					Dilwyn Formation	Dilwyn Formation	Hanson Plain Sand	Eastern View Group
50			Ypresian			Pember Mudstone		
					Pember Mudstone		Dilwyn Formation	
55							Pember Mudstone	
		Paleocene	Thanetian					
60			Selandian		Pebble Point Formation	Pebble Point Formation	Pebble Point Formation	Demons Bluff Group
			Danian					
65				T1		Massacre Shale	Massacre Shale	
					Wangerrip Group	Wangerrip Group	Wangerrip Group	
				Wangerrip				
70		Late	Maastrichtian				Wiridjil Gravel	undifferentiated Eastern View Group (lower)
					Timboon Sandstone	Timboon Sandstone	Timboon Sandstone	
75			Campanian					
						Paaratte Formation		
80				Sherbrook			Paaratte Formation / Skull Creek Mudstone	
						Mount Salt Formation		
85			Santonian		Paaratte Formation		Nullawarre Greensand	
				LC2		Belfast Mudstone (Morum Member)	Belfast Mudstone	
			Coniacian		Belfast Mudstone	Flaxman Formation	Flaxman Formation (Banoon Member)	
90					Flaxman Formation			
			Turonian	LC1.1	Waarre Formation	Waarre Formation	Flaxman Formation	
					Copa Formation	Copa Formation	Waarre Formation	
95			Cenomanian	LC1				
				Shipwreck	Sherbrook Group	Sherbrook Group	Sherbrook Group	
100		Early						
			Albian			Eumeralla Formation		
105					Eumeralla Formation		Eumeralla Formation	
						Otway Group		
110					Eumeralla Formation (Heathfield Sandstone Member)			
			Aptian					
115					Eumeralla Formation			
				EC2				
120					Eumeralla Formation (Windermere Sandstone Member)			Eumeralla Formation
			Barremian		Katnook Sandstone			
125					Laira Formation			undifferentiated Otway Group (not penetrated in offshore wells)
			Hauterivian		Pretty Hill Formation		Pretty Hill Formation	
130					Sawpit Shale/ Sawpit Sandstone			
			Valanginian		Casterton Formation		Casterton Formation	
135				Crayfish	Otway Group (Crayfish Subgroup)			
			Berriasian	EC1.1	Otway Group			Otway Group
140								
	JURASSIC		Tithonian					
145				Base				
		Late	Kimmeridgian					
150								
			Oxfordian		Coleraine and Casterton 1 volcanics			
155								
			Callovian					
160		Middle						
			Bathonian					
165			Bajocian					
			Aalenian					
170								

PP-3953-3

Fine-grained sandstone
Sandstone
Limestone
Oolitic Limestone
Mixed marine
Marl
Sandy claystone
Claystone
Volcanics
Conglomerate
Gas discovery
Oil and gas discovery
Gas discovery and oil show
Oil and gas show
Oil show
Gas show
CO_2 well