

Stratigraphy			Lithology	Hydrocarbon Occurrences	Reservoir	Source	Cap	Tectonic Episodes	Seismic Events
Tertiary	Miocene							Alpine Inversion	
	Oligocene Eocene								
Cretaceous	Upper	Chalk						Cimmerian U/C	
	Lower	Greensand/Gault		☼ Heathfield, Bolney	✓		✓		←←
		Wealden		☼ Albury	✓		✓		←
		Purbeck		☼ Godley Bridge	✓		✓		←
Jurassic	Upper	Portland				✓	✓	Graben Development - Regional Subsidence	
		Kimmeridge Clay			✓		✓		←←
		Corallian		● Palmers Wood	✓				←
		Oxford Clay		☼ Bletchingly	✓	✓	✓		←
		Kellaways			✓		✓		
		Cornbrash/Forest Marble		● Kimmeridge	✓				←
	Middle	Great Oolite		★ Goodworth, Stockbridge, Baxter's Copse, Storrington, Singleton, Lidsey	✓				←
		Inferior Oolite							
		Upper Lias		● Wytch Farm, Arne, Wareham, Stoborough, Waddock's Cross	✓		✓		
	Lower	Middle Lias			✓	✓	✓		
		Lower Lias			✓				←
				★ Humbly Grove	✓				
Triassic	Penarth Group			★ Humbly Grove	✓			Major Fault Growth	
	Mercia Mudstone Group						✓		
	Sherwood Sandstone Group			● Wytch Farm	✓	✓?			
Permian	Aylesbeare Group								
U.Carb	Coal Measures				✓?	✓?		Hercynian Compression	←?
Basement	Carbonif's and Older								

Fig. 2 Southern England stratigraphic column, showing hydrocarbon occurrences