

## PALEOGENE - Summary of Formations

Epoch	Group	Formation	Description
Oligocene	Solent Group	Bouldnor Formation	Clays. Fossiliferous
		Bembridge Limestone Formation	Limestone and marls.
		Headon Hill Formation	Pale green clays with layers of white sand. Purple sand and brown sand. Limestone.
Eocene	Barton Group	Chama Sand Formation	Sand and gravel.
		Becton Sand Formation	Unfossiliferous sand.
		Barton Clay Formation	Mainly clay and sandy clay Grey and brown clays.
	Bracklesham Group	Selsey Sand Formation	Sands silts and clays. Glaucanitic Bioturbated.
		Camberley Sand Formation	Fine grained sand. Locally glauconitic.
		Windlesham Formation	Sand and clay. Highly glauconitic.
		Marsh Farm Formation	Sand silts and clays
		Earnley Sand Formation	Glaucanitic sands and silts.
		Bagshot Formation	Mainly coarse grained sandstone
		Wittering Formation	Sands silts and clays.
Poole Formation	Sands - estuarine		
Paleocene	Thames Group	London Clay Formation	Variable shelly and glauconitic clays and medium to fine grained sands. Including some iron stained sandstone.
		Harwich Formation	Sand and clay. Glaucanitic and shelly.
	Lambeth Group	Reading Formation	Clay mottled with hard bands.
		Woolwich Formation	Marine. Shelly clay.
		Upnor Formation	Sand and clay. Highly glauconitic with flint nodules at base.
			Ormesby Clay Formation
		Thanet Sand Formation	Series of slightly glauconitic sands

## Relationship of Formations by BGS Region

Hampshire Basin	London and Thames Valley	Eastern England	English Channel
Bouldnor Formation			
Bembridge Limestone Formation			
Headon Hill Formation			
Chama Sand Formation	Chama Sand Formation		
Becton sand Formation	Becton sand Formation		
Barton Clay Formation	Barton Clay Formation		
Selsey Sand Formation	Camberley Sand Formation		
Marsh Farm Formation	Windlesham Formation		Selsey Sand Formation
Earnley Sand Formation	Bagshot Formation		Earnley Sand Formation
Wittering Formation/ Poole Formation *			Wittering Formation
London Clay Formation	Harwich Formation	London Clay Formation	London Clay Formation
Reading Formation	Woolwich Formation	Harwich Formation	Reading Formation
	Upnor Formation	Ormesby Clay Formation	
	Thanet Sand Formation		

- The Wittering Formation and the Poole Formation both overly the London Clay in the Hampshire Basin. The Wittering Formation in the Eastern Hampshire Basin and the Poole Formation in the Western Hampshire Basin. The Creech Barrow Formation (Bembridge Limestone ?) and the Branksome Sand Formation are also identified on the Dorchester Map (328), but are not otherwise formally recognised by BGS.