

File:P807823.jpg

From Earthwise

[Jump to navigation](#) [Jump to search](#)

- [File](#)
- [File history](#)
- [File usage](#)

Period	Epoch	Lithostratigraphic units		Thickness (m)	Age* (Ma)	Major events
QUATERNARY	PLEISTOCENE TO HOLOCENE			1-10		Alterations of interglacial and glacial events. Wide fluctuations of relative sea level Major unconformity time gap of about 40 Ma after the main Alpine Orogeny about 20-25 Ma. Major inversion of structures
					2.6	
PALAEOGENE	PALEOCENE TO EOCENE	THAMES GROUP	LONDON CLAY FORMATION	up to 100		Marine transgression
		LAMBETH GROUP	READING FORMATION	25-30		Major unconformity time gap about 15 Ma
CRETACEOUS	LATE	WHITE CHALK SUBGROUP	CULVER CHALK FM	up to 15	65.5	Uplift and minor inversion of structures Most of Europe submerged
			NEWHAVEN CK FM	up to 70		
			SEAFORD CHALK FM	60-70		
			LEWES NODULAR CHALK FM	45-75		
	NEW PIT CHALK FM		20-30			
	HOLYWELL NODULAR CHALK FM	10-30				
	GREY CHALK SUBGROUP	ZIG ZAG CHALK FM	30-50	99.6	North Atlantic continues to open	
WEST MELBURY MARLY CHALK FORMATION		15-20				
		UPPER GREENSAND FM	40-70		North Sea and Wessex basins joined	
		GAULT FORMATION	40-85			
	EARLY	LOWER GREENSAND GROUP	UNDIVIDED	up to 12		Marine transgression and regional downwarping. Initial opening of North Atlantic
		WEALDEN GROUP	UNDIVIDED	up to 350		Short-lived but widespread unconformity Active block faulting
	LATE	PURBECK GROUP	DURLSTON FM LULWORTH FM	35-60	c.143	London Platform uplifted Regression
		PORTLAND GROUP	PORTLAND STONE FM WARDOUR FORMATION	45-60		
			KIMMERIDGE CLAY FM	183-273		Maximum Jurassic marine transgression
JURASSIC	MIDDLE	CORALLIAN GROUP		42-51	c.161	Downwarping
			OXFORD CLAY FM KELLAWAYS FM	100-300		
	GREAT OOLITE GROUP		up to 200		Uplift shallow-water carbonates	
	INFERIOR OOLITE GROUP			176.0		Renewed extension
	EARLY	LIAS GROUP		60-650		
PERMIAN? TO TRIASSIC		PENARTH GROUP		up to 20		Marine transgression
		MERCIA MOST GP SHERWOOD SST GROUP		up to 270		Initial extensions of Wessex Basin. Major unconformity about 300 Ma
		PERMIAN STRATA + 7 AWLESBEARE MUDSTONE GROUP		up to 230		
				unknown	c.245	Major Variscan folding Variscan Orogeny
ORDOVICIAN TO CARBONIFEROUS		CARBONIFEROUS, DEVONIAN, SILURIAN, ORDOVICIAN.		unknown		

* Timescale from Gradstein et al., 2004. Modified by Walker et al., 2009

Size of this preview: [456 × 599 pixels](#). Other resolutions: [183 × 240 pixels](#) | [761 × 1,000 pixels](#).

[Original file](#) (761 × 1,000 pixels, file size: 221 KB, MIME type: image/jpeg)

Summary

Geological succession of the Andover area. From Andover Sheet Explanation.

Licensing

Download of 1000 x 1000 pixel images is free for all non-commercial use - all we ask in return is for you to acknowledge BGS when using our images. Click our Terms and Conditions link below for information on acknowledgement text, and to find out about using our images commercially.

Copyright

The images featured on this site unless otherwise indicated are copyright material of the Natural Environment Research Council (NERC), of which the British Geological Survey is a component body. The British Geological Survey encourages the use of its material in promoting geological and environmental sciences. The images may be reproduced free of charge for any non-commercial use in any format or medium provided they are reproduced accurately and not used in a misleading or derogatory context. Where any images on this site are being republished or copied to others, the source of the material must be identified and the copyright status acknowledged. The permission to reproduce NERC protected material does not extend to any images on this site which are identified as being the copyright of a third party. Authorisation to reproduce such material must be obtained from the copyright holders concerned.

Non-commercial Use

Use of the images downloaded from this site and reproduced digitally or otherwise may only be used for non-commercial purposes, which are:-

- Private study or research for a non-commercial purpose
- Education - for teaching, preparation and examination purposes

When using the images please credit 'British Geological Survey' and include the catalogue reference ('P Number') of the item to allow others to access the original image or document. Non-commercial users of the images from this site are restricted to downloading no more than 30 images, without seeking further permission from enquiries@bgs.ac.uk

Commercial Use


For commercial use of these images for which higher resolution images are available, individual permissions and/or licences arrangements should be agreed by contacting enquiries@bgs.ac.uk Commercial use will include publications in books (including educational books), newspapers, journals, magazines, CDs and DVDs, etc, where a cover charge is applied; broadcasts on TV, film and theatre; and display in trade fairs, galleries, etc. If you are in doubt as to whether your intended use is commercial, please contact enquiries@bgs.ac.uk

Warranty

Use of the images downloaded from this site is at the users own risk. NERC gives no warranty as to the quality of the images or the medium on which they are provided or their suitability for any use.

File history

Click on a date/time to view the file as it appeared at that time.

Date/Time	Thumbnail	Dimensions	User	Comment
current 09:30, 19 May 2014		761 × 1,000 (221 KB)	Dbk (talk contribs)	Geological succession of the Andover area. From Andover Sheet Explanation.

- You cannot overwrite this file.

File usage

The following page links to this file:

- [Geology of the Andover area: Introduction](#)

Retrieved from '<http://earthwise.bgs.ac.uk/index.php?title=File:P807823.jpg&oldid=3815>'

Navigation menu

Personal tools

- Not logged in
- [Talk](#)
- [Contributions](#)
- [Log in](#)
- [Request account](#)

Namespaces

- [File](#)
- [Discussion](#)

Variants

Views

- [Read](#)
- [Pending changes](#)
- [View source](#)
- [View history](#)
- [PDF Export](#)

More

Search

Navigation

- [Main page](#)
- [Recent changes](#)
- [Random page](#)

- [Help about MediaWiki](#)

Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Permanent link](#)
- [Page information](#)
- [Browse properties](#)

• This page was last modified on 20 May 2014, at 09:06.

- [Privacy policy](#)
- [About Earthwise](#)
- [Disclaimers](#)

