# An Introduction To Geological Maps Dr Liam Herringshaw: lgh865@hotmail.com

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## BGS maps portal — maps and sections 1832 to 2014

## Free online viewing of over 6000 BGS maps and sections

This resource provides high resolution viewing images of almost all small and medium scale maps produced by the British Geological Survey since mapping started in 1832. It includes the key 1:63 360/1:50 000 maps of England and Wales and of Scotland. For users who just want to consult the latest editions of the 1:63 360/1:50 000 maps 'Quick links' have been provided below.

The BGS maps portal incorporates all the earlier maps and history pages that were previously made available through the BGS 'Historical maps of the Geological Survey of Great Britain and Ireland' web resource.



Glick image to view the Nottingham sheet, Geological Survey of England and Wales 1:63 360/1:50 000 geological map series, New

### **BGS Maps Portal:**

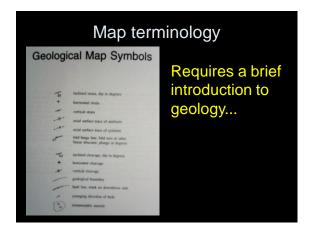
http://bgs.ac.uk/data/maps/home.html

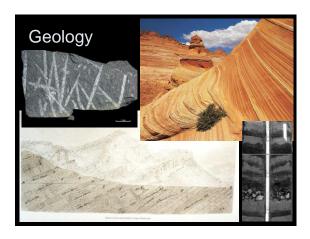
### Week 2

Introduction (cont'd)

Uniformly dipping strata

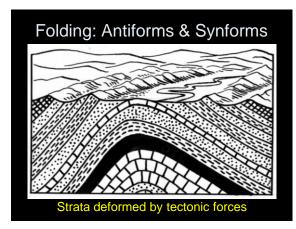


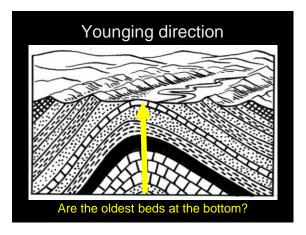


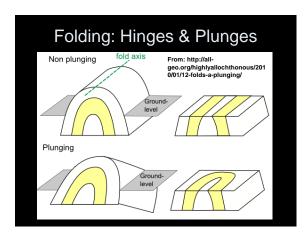


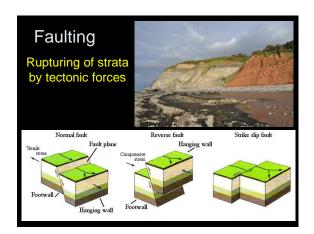




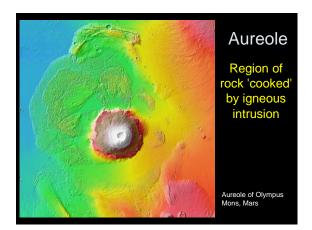


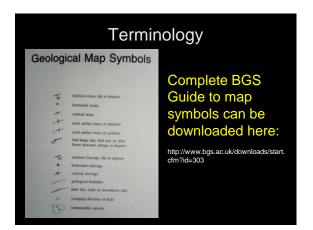












## Mappable geological structures

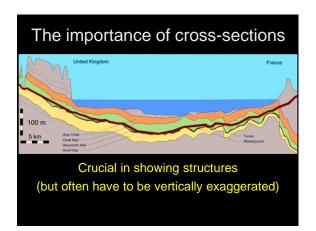
- 1. Sedimentary deposits/erosion
- 2. Igneous intrusions
- 3. Igneous extrusions
- 4. Deformation (metamorphism)

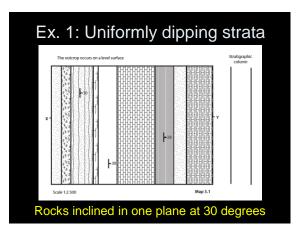
## Deposition/erosion Unconformity

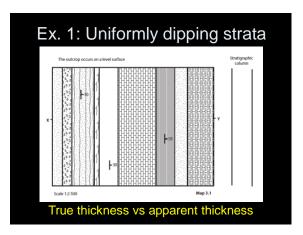
## Igneous intrusion Whin Sill, Northumberland

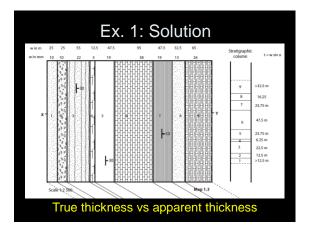


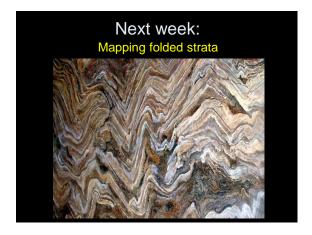


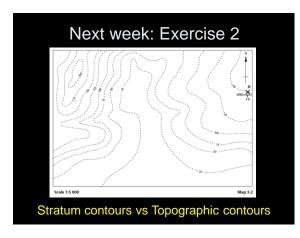












Resources ( <u>www.fossilhub.org</u> )
New! BGS Maps Portal: http://bgs.ac.uk/data/maps/home.html
Why Do People Love OS Maps? http://www.bbc.co.uk/news/blogs-magazine-monitor-29524842
100 Great UK Geosites: http://www.geolsoc.org.uk/100geosites