

The Really Old Stuff

Archaean & Proterozoic:
Mostly Scottish

The Oldest Rocks in the UK

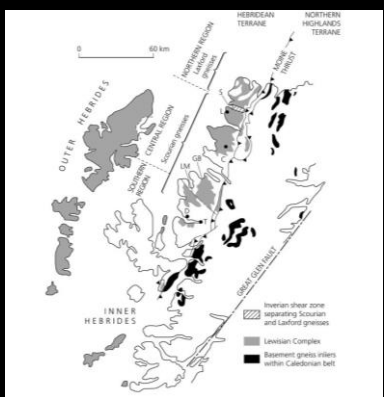


The Lewisian Complex

Gneiss and complicated!

3 regions:
N, Central, S

Scourian
Laxfordian



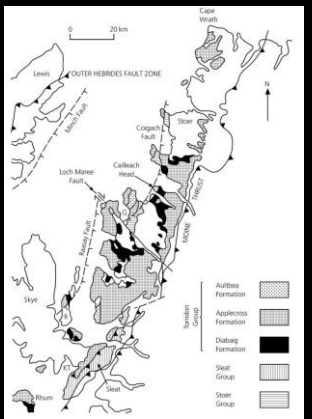
Above the Lewisian



The Torridonian

Oldest sedimentary rocks in the UK (~1100-900 Ma)

Weathering of North American continent



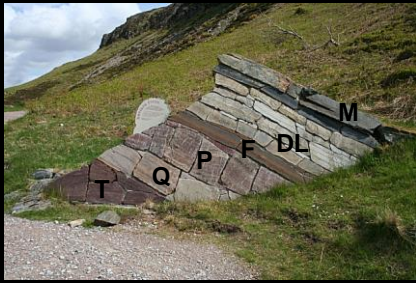
The Torridonian

'Red beds' = River, lake and alluvial fan deposits



Stoer Group, Stoer, Sutherland

Above the Torridonian



Stratigraphic sculpture, Knockan Crag

The Highlands Controversy

Constructing Geological Knowledge through Fieldwork in Nineteenth-Century Britain



DAVID R. OLDROYD

The Secret of the Highlands

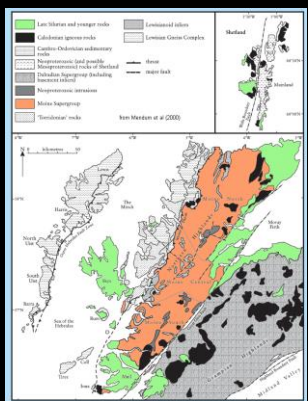


Thrusts = low angle 'reverse' faults
Older rocks shunted onto younger rocks
under high pressure

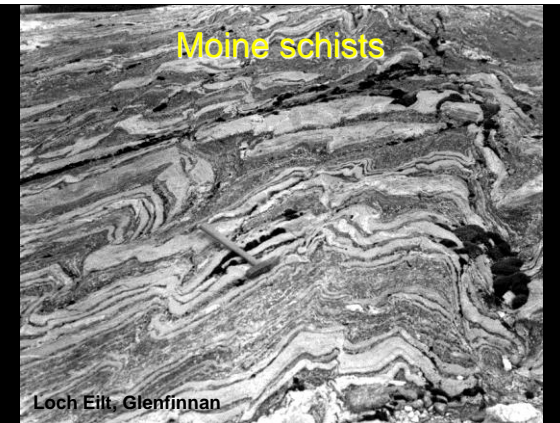
Moine Series

Northern Highlands Terrane

Marine meta-sedimentary rocks of ~Torrionian age

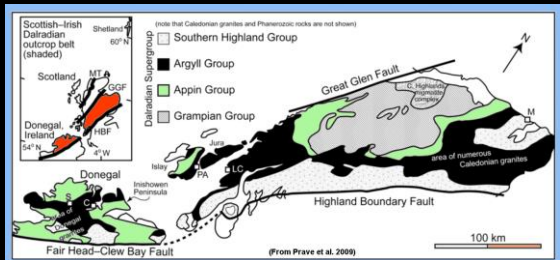


Moine schists



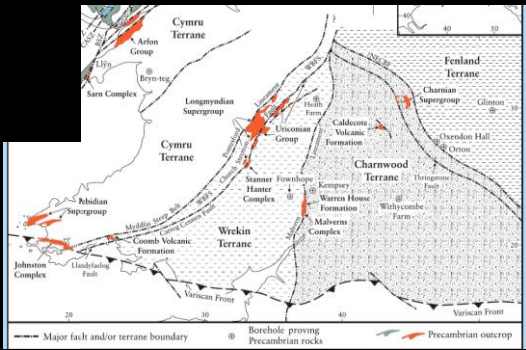
Loch Eilt, Glenfinnan

The Dalradian



Central Highlands (Grampian) Terrane

Avalonia



Charnwood



When Leicestershire was like Montserrat



Links

www.fossilhub.org

PGDip (Distance Learning)
The Geology of Yorkshire
& Northern England

<http://www.york.ac.uk/lifelonglearning/geology/>
