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

Week 6

Recap from last week
Evolving geological maps

Igneous Rocks
Mapping bedrock vs superficial geology

Exercise 4!

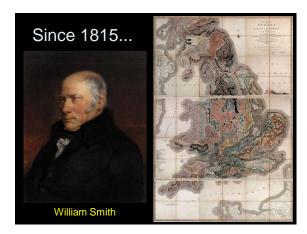


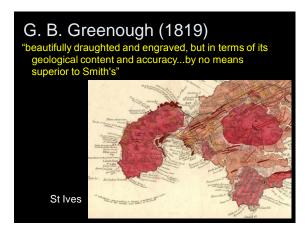
Evolving geological maps

Increasing coverage

Increasing understanding

Increasing techniques

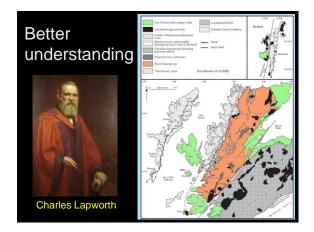


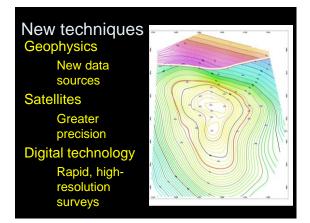


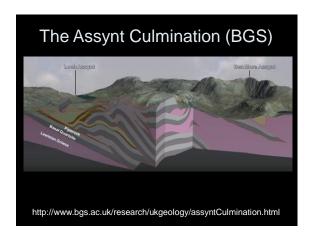


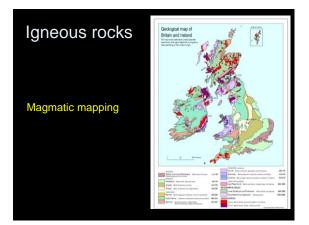


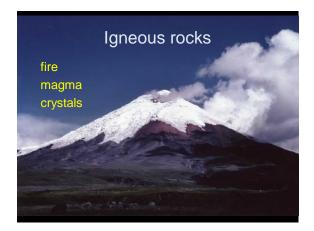
Scottish struggles http://www.see.leeds.ac.uk/structure/assyntgeology/maps/history/geikie_1876.htm Geikie's 1876 Map of Scotland

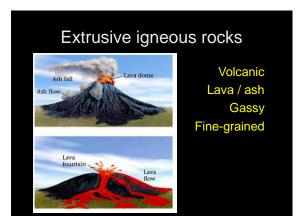




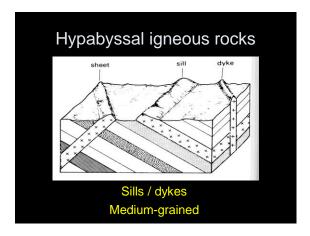




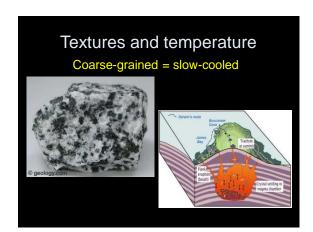


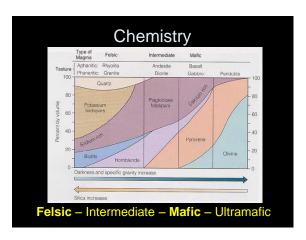


Intrusive igneous rocks Cooled at depth Coarse-grained

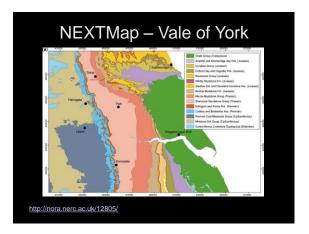




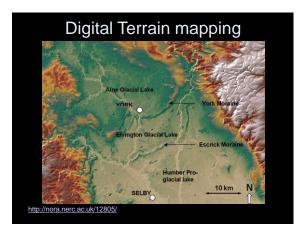












Construct stratum contours for beds and fault

Next Week Metamorphism and cleavage

Resources (www.fossilhub.org) NEXTMap — Vale of York: http://nora.nerc.ac.uk/12805/ MacCulloch's magnificent map http://www.newscientist.com/article/mg19526142.000-second-sight-an-early-geological-map-of-scotland.html Lapworth's map worth: http://www.birmingham.ac.uk/facilities/lapworth-museum/collections/maps/index.aspx