

DO YOU KNOW SCOTLAND'S EARTH HISTORY?

Introduction

Great variety of rocks and landforms: Sansoms Ribs, Black Cuillin, Fannichs corrie, Milarachy shore erosion, coire Lagan screes, Cairngorm pothole, Glencoe from A Eagach, Loch Tay from Lawers, Knockan upside down rocks, Dumbarton to Lomond,

Earth historians: Hutton, and
McCaig poem

'Who possesses this landscape. The man who bought it or, I who am possessed by it? False questions, for, this landscape is masterless and intractable in any terms that are human.'

We are very old

Lewisian gneiss rock, Calanish standing stones, Assynt from air

We were part of North America

51st state slide

We started life in near the South Pole

Laurentia and Gondwana, Iapetus Ocean and volcanics, Salisbury Craigs,

We were separate pieces

3 diagrams 450, 430, 410 mya

We joined with England 410mya

Not 1603 or 1707 Eildon Hills, terranes slide

We parted company with North America 50mya

Diagram N Atlantic dividing, Krafla fissures, volcano and lava diagram, Flodigarry lavas and soil, McCullochs tree, Sguirr of Eigg, Rum from S Skye, Hallevel, Ardnamurchan ring from air, Iceland still parting

We decayed and were dumped in the North Sea

Abergeldie rotten granite, spheroidal weathering, Macaulayite, BaBhuird tors, tor diagram, NE landscape diagram, N Sea deposition, E Grampian surface

We were covered by ice at least 5 times

Temp graph 0.7my. Myrdalsjokull from air, diagram last glacial max, diagram L Lomond stadial, Solheimajokull ice and moraine, C Girunnda polish and pluck, C Lagan polish, C Mic Fhearcair, Avon trough, Ey

valley, C Girunnda LLo mond moraine Devils bowling green, hummocky moraine Torridon, glacial river Svalbard, esker Pat MacD, Edzell outwash,

We are rising and sinking

Sea level graph, Jura shingle ridges air, Ayrshire RSL, Dunbar rock platform, Sanday ayres and laggons, diagram SL change now

Our hills are moving

Red Cuillin slope, Fannichs solifluction, West Rum circles, Old Man Stoer, Quirang rotational blocks, Storr diagram, Quirang pinnacles

And our future is???

Aberdeen harbour waves, Eshaness cliff boulders, sea level 2100, Sandy flooding, dead bird in sand, glaciation map, dinosaurs, Atlantic disappears map

Read all about it: Landscape Fashioned by Geology series