



Earthquakes in Ireland

Earthquakes large enough to be perceived without equipment are a rare occurrence in Ireland. There are a number of earthquakes that have been measured however, and these data are a subset of them containing depth information

Generalities

Seismicity is a fact of life to a greater or lesser extent, and while in Ireland it is not considered a major hazard it is important for it to be studied.

Anomalies

The spatial distribution of earthquakes seems to follow the NE-SW trend of some of the major faults that have been highlighted by the structural framework (Figure 1.). In 3D the earthquakes seem to be distributed along a fault plane, but with variable depths (Figure 2.).

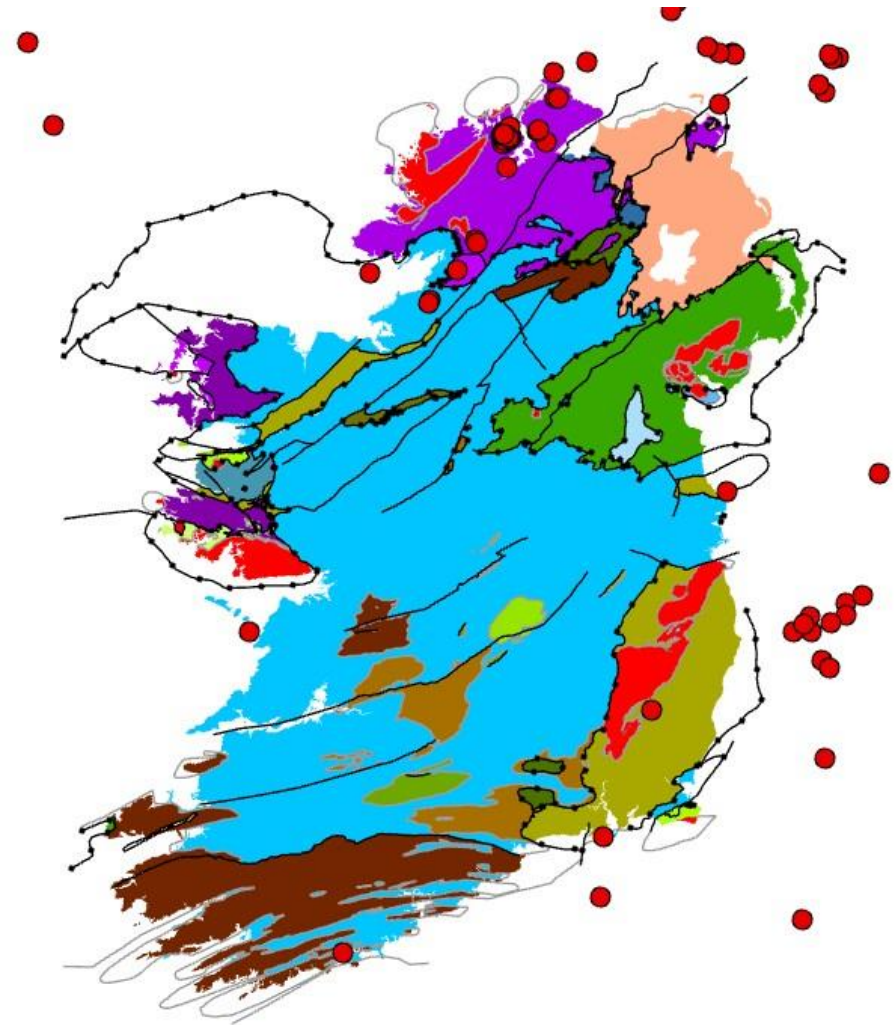


Figure 1. Displaying the distribution of earthquake occurrences on the structural framework.

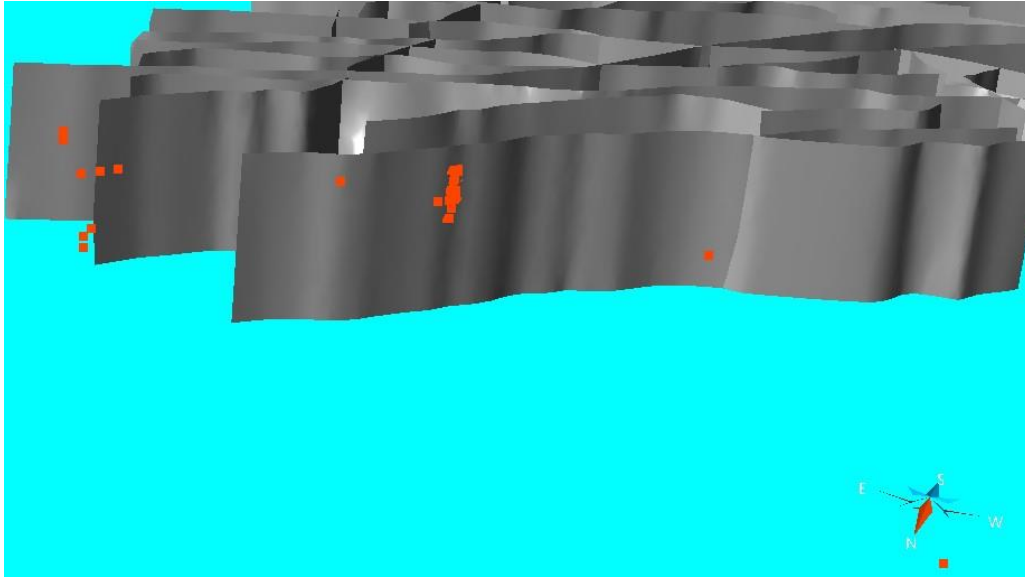


Figure 2. An oblique view to the SE showing Ireland's 3D fault network and the distribution of earthquake depths along the fault plane (depths +/- 10km).

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