

# The Namurian of West County Clare

M. H. Rider

Proceedings of the Royal Irish Academy. Section B: Biological, Geological, and Chemical Science ©  
1974 Royal Irish Academy

<http://www.jstor.org/stable/20518942>

## Abstract

The northern end of the west of Ireland Namurian tectonic basin covers west Co. Clare. The sedimentology and stratigraphy of the 5,000 feet of rock exposed over this north part of the basin are described in general terms. Using these descriptions, comparisons are made with Recent sediments with a resulting interpretation which suggests that the Namurian sedimentary pile is a 'classic basin filling sequence' of deep water, euxinic shale and sub-sea turbidite fan deposits at the base, covered by slumped continental shelf and slope deposits, with the basin finally being filled by sediments deposited in deltaic cyclothems. Combining the environment interpretations and the stratigraphy, a paleogeography is suggested showing the west Co. Clare part of the basin being filled from the west; first by a westerly building turbidite sub-sea fan during H to R1 times, then by an advancing, unstable continental shelf and slope and finally, from late R1 times to R2 times, by deltas fringing a westerly-moving coastline.