

Site Name: Leighton Estate Quarry Grid Reference: SJ 24980508

RIGS Category: Scientific

Earth Science Category: Silurian (Ludlow) Stratigraphy

Geology 1:50,000: BGS Sheet 151, Welshpool

RIGS Statement of Interest:

This quarry provides a section through the Bailey Hill Formation, a late Silurian submarine sand-rich lobe that was deposited near the margin of the Welsh Basin. The processes responsible for depositing the sediment, either from density currents or storm-generated currents, remain under discussion and the rocks in the quarry provide evidence for ongoing research. The site has been selected mainly because the strata of the Bailey Hill Formation in most places have been distorted by folds before consolidation; here they remain undisturbed.

Surveyed by: R. Cave & W.R. Fitches