

**Site Name: Cardiganshire Slate Quarry      Grid Ref: SN 69919595**

**RIGS Category:** Scientific

**Earth Science Category:** Ordovician (Ashgill) and Silurian (Llandovery) Stratigraphy

**Geology 1:50,000:** BGS Sheet 163, Aberystwyth

**RIGS Statement of Interest:**

The Cardiganshire Slate Quarry provides a rare and well-exposed continuous stratigraphic section through top Ordovician into basal Silurian strata. The position of the Ordovician-Silurian boundary, based on graptolite fossil assemblages, has been recently redefined; this RIGS includes both the 'old' and 'new' boundaries. This RIGS complements the Scrâch Track SSSI in the Llandovery district that offers another section through the boundary. Changes in sedimentary rock type through the succession probably record fluctuations in global sea level that record the Late Ordovician glaciation and deglaciation of the Gondwana supercontinent.

**Surveyed by:** R. Cave, W.R.Fitches & R. Mathews