

Site Name: Tan-y-ffridd Quarry **Grid Reference: SJ 11281008**

RIGS Category: Educational & Scientific

Earth Science Category: Silurian (Llandovery) Stratigraphy

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

RIGS Statement of Interest:

Tan-y-ffridd Quarry exposes a Lower Llandovery (Rhuddanian) sequence of sandstone – silty mudstone couplets. They are the rocks from which Temple (1970, 1987) collected and described a prolific and internationally important brachiopod and trilobite fauna. His section was a then - new forestry track that was designated the Meifod SSSI, described by Aldridge (2000, p. 93-94): that section is now obscured by vegetation and degraded. Tan-y-ffridd Quarry offers an alternative site in the same neighbourhood. The Meifod district, in which this RIGS is situated, is a classical area for the study of Silurian stratigraphy and palaeontology, with notable visits by Sedgwick in the early 19th century. These rocks contain the earliest Silurian shelly fossils of the Welsh Basin, which contrast with the Hirnantia fauna of the preceding late Ordovician.

Surveyed by: R. Cave