

**CYNGOR CEFN GWLAD CYMRU
COUNTRYSIDE COUNCIL FOR WALES**

SITE OF SPECIAL SCIENTIFIC INTEREST CITATION

DENBIGHSHIRE

CHWAREL PANT GLAS

Date of Notification: 1990

National Grid Reference: SJ215477

O.S. Maps: 1:50,000 Sheet number: 117
1:25,000 Sheet number: SJ24

Site Area: 0.7 ha

Description:

Chwarel Pant-Glas is notified for its geological interest. It provides rare outcrops of a very distinctive suite of laminated carbonate veins, apparently lying along the bedding, and inscribed with a very pronounced rectilinear, ridge and groove lineation. Both the mineral fabric of the veins and this lineation are older than the deformation episode which folded the Wenlock country rocks. The site occurs on the north limb of the Llangollen Syncline, cleavage and bedding having the characteristic east-west trend of this north eastern section of the Welsh basin. This site is important for two reasons. Firstly, it provides an example of the caledonian structural trend in north eastern Wales, where it swings to a trend slightly south of east. Most importantly, it is a rare locality for unusual platy calcite veins which are significant in the early tectonic history of the Welsh basin.

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