

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

SITE OF SPECIAL SCIENTIFIC INTEREST CITATION

CARMARTHENSHIRE

GLAN PIBWR STREAM SECTION

<u>Date of Notification:</u>	1985
<u>National Grid Reference:</u>	SN 417179
<u>O.S. Maps:</u>	1: 50,000 Sheet number: 159 1: 25,000 Sheet number: SN 41
<u>Site Area:</u>	0.8 ha

Description:

An historic Arenig faunal locality; the type locality for the '*Ogygia marginata* Beds' with their abundant trilobite faunas. These mudstone outcrops have recently been designated as the type locality for the Pibwr Member of the new Carmarthen Formation. The rich asaphid, raphiophorid and trinucleid trilobite faunas of the site occur together with species of *Phyllograptus*, a rare Welsh occurrence. A key Lower Ordovician faunal and stratigraphic locality.

In layman's terms, the interest of this site may be expressed more simply, and such a statement is provided below. This should not be taken as definitive and further information as to details of the interest can be obtained from the Nature Conservancy Council.

Glan Pibwr is of particular importance as it is regarded as the 'type locality' for part of the Lower Ordovician sequence of South Wales. The strata exposed in this stream section were laid down as a blanket of mud on a sea floor which existed in this area during Lower Ordovician times some 500 million years ago. Over the years, the section has yielded a great diversity of fossil animals, the most notable of which are the trilobites. Remains of these sea-dwelling arthropods, a group of animals which is now extinct, are well-preserved in the mudstones at Glan Pibwr and the section has yielded a number of species which are only rarely found elsewhere in Britain.

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