

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

SITE OF SPECIAL SCIENTIFIC INTEREST CITATION

POWYS

BRON-Y-BUCKLEY WOOD

Date of Notification: 1953,1983

National Grid Reference: SJ221080

O.S. Maps: 1:50,000 Sheet number: 126
1:25,000 Sheet number: SJ 20

Site Area: 1.8 ha

Description:

A locality of great historical as well as current scientific importance, the site was named by Murchison who was greatly impressed by the abundance of trilobites there. The only mixed graptolitic and shelly assemblage in the Welsh Harnagian and a type locality for certain *trinucleid trilobites*. 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.

This locality is a most important site for the study of fossil trilobites (relatives of the king-crab) which are found in the mudstones which are seen in the stream section. These mudstones were laid down some 425 million years ago, during the late Ordovician portion of geological time, when this part of Wales lay beneath an extensive ocean. The locality has been well-known to geologists for nearly 150 years, and is the source of many important specimens of trilobites, being the first place at which many of them were ever found. In addition, the other fossils which occur with the trilobites are valuable for helping geologists to understand how conditions which prevailed in the Welshpool area during late Ordovician times related to conditions elsewhere in Wales at that time.

Remarks:

Sometimes referred to as Trilobite Dingle.

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