

COUNTY: SHROPSHIRE POWYS

SITE NAME: TREWERN BROOK

DISTRICT: SHREWSBURY & ATCHAM/MONTGOMERY

SITE REF: 15WC1

Status: Site of Special Scientific Interest (SSSI) notified under Section 28 of the Wildlife and Countryside Act 1981.

Local Planning Authority: SHROPSHIRE COUNTY COUNCIL/POWYS COUNTY COUNCIL, Shrewsbury & Atcham Borough Council, Montgomery District Council

National Grid Reference: SJ 304116–SJ 310126      Area: 4.86 (ha.) 12 (ac.)

Ordnance Survey Sheet 1:50,000: 126      1:10,000: SJ 31 SW

Date Notified (Under 1949 Act): –

Date of Last Revision: –

Date Notified (Under 1981 Act): 1985

Date of Last Revision: –

Other Information:

New site.

Description and Reasons for Notification:

Trewern Brook is the type locality for, and the best section through, the entire Trewern Brook Mudstone Formation. In the Long Mountain area this formation represents the Wenlock Series, one of the main divisions of the Silurian System. High in the formation occurs the Glyn Member, a calcareous, shelly horizon within a thick, laminated mudstone sequence. When these strata were laid down, the Long Mountain area lay on the eastern edge of a deep ocean basin occupying most of Wales, whilst shallower 'shelf' seas extended eastwards over the Midlands. Fossil organisms characteristic of both deep and shallow marine environments can be found in the rocks of Trewern Brook, enabling detailed comparisons to be made between the two environments. This is of great importance in the accurate dating of Wenlock rocks from Wales and the Midlands. This is the best section in the Wenlock Series in this important position between the Welsh basin and the Midlands shelf.