

Date Notified: 24 March 1988

File ref: SK 49/E

County: South Yorkshire **Site Name:** Bradgate Brickworks

District: Rotherham

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

Local Planning Authority: Rotherham Metropolitan Borough Council

National Grid Reference: SK 413935 **Area:** 0.9 (ha) 2.2 (ac)

Ordnance Survey Sheet 1:50,000: 111 **1:10,000:** SK 49 SW

Date Notified (Under 1981 Act): 1988 **Date of Last Revision:** –

Other Information:

This is a new site.

Description and Reasons for Notification:

The disused Bradgate Quarry lies one mile to the west of Rotherham town centre. The special interest is within an exposed quarry face.

This is the best available exposure of strata lying immediately above the Clay Cross Marine Band (= Vanderbeckei Marine Band, Westphalian B – Middle Carboniferous) in the Pennine coalfields. The marine band itself is poorly exposed here, and has only yielded a *Lingula* facies fauna. However, the 30 or so metres of overlying non-marine sediments are very well seen and include the Lidgett Coal Seam, a useful marker horizon which occurs over a wide area. Several beds of shale contain non-marine bivalves which seem to belong to the *Anthracosia regularis* Subzone (middle *Anthraconaia modiolaris* Biozone) and this is probably the best site in the country for yielding this fauna. As an aid to interpreting the development of the Coal Measures in the Pennines basin-complex, the most important source of coal in Great Britain, this site is of considerable scientific interest.