

Date Notified: 27 March 1987

File Ref. SK 59/2

County: South Yorkshire

Site Name: Ashfield Brick Pits

District: Doncaster

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

Local Planning Authority: Doncaster Metropolitan Borough Council

National Grid Reference: SK 515981 **Area:** 0.56 (ha) 1.43 (ac)

Ordnance Survey Sheet 1:50,000: 111 **1:10,000:** SK 59 NW

Date Notified (Under 1949 Act): 1955 **Date of Last Revision:** 1979

Date Notified (Under 1981 Act): 1987 **Date of Last Revision:** 1987

Other Information:

The site boundary has been modified at this revision by partial deletion and minor extension.

Description and Reasons for Notification:

The extraction of clay from this quarry on the southern edge of Conisbrough has exposed several geological strata, ranging from the highest Coal Measures in Yorkshire through Permian Marl to Magnesian Limestone. Partial filling has to some extent obscured the lower interface and it is the transition from Marl to Limestone that now constitutes its special interest.

The section exposed at Ashfield Brick Pits shows Magnesian Limestone overlying Permian Marl and basal sands. An abundant fauna has been obtained from the Wetherby Member. This lithostratigraphic unit displays a wide variety of facies, from grey marls and clays to shelly ooid grainstones. The site includes a fossiliferous bryozoan patch reef, with flanking grainstones and oolites. This locality is unique in displaying such a wide variety of (predominantly carbonate) facies in the Permian rocks of the Yorkshire Province.