

Warwickshire Geological Conservation Group

Warwickshire Local Geological Site	
Site No: 81	North Woodloes Quarry
Geological Formations	Bromsgrove Formation (Triassic)
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Local Geological Sites (LoGS), designated by locally developed criteria, are currently the most important places for geology and geomorphology outside statutorily protected land such as Sites of Special Scientific Interest (SSSI). The designation of LoGS is one way of recognising and protecting important Earth science and landscape features for future generations to enjoy.

WGCG is responsible for the identification of LoGS in Warwickshire and the West Midlands.

Please note that designation of a site as a LoGS does not confer a legal right of access. Unless the site is on a designated public right-of-way, the landowner's permission is required before visiting.

Warwickshire Local Geological Site - Criteria Form

Site name: North Woodloes Quarry	Also known as:		
District: Warwick	County: Warwickshire		
Grid reference: SP2761 6798	LoGS Number: 81	ESCC Class:	ED

Brief Description: The 4m section in the Bromsgrove Sandstone Formation reveals good examples of trough cross-bedding and is characterised by innumerable 'pock marks' caused by the weathering out of mudstone clasts contained within the sandstone.

This site qualifies as a Local Geological Site for the following criteria:

A Good Example of intra-clastic fabric in the Bromsgrove Sandstone Formation

Educational Fieldwork

1. Educational Potential	✓	2. Physical access	✓	3. Safety	✓
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Scientific Study

1. Diversity of interest	✓	2. Rarity of interest		3. Size of feature	✓
4. Typicalness of feature		5. Geological/physiographic linkage to: <i>Quarryfield House Quarry (25), Milverton Section, R. Avon (29), Rock Mill Quarry (30), Guy's Cliffe SSSI & Coten End Quarry SSSI</i>			

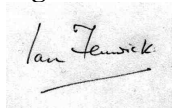
Historical Value

1. Celebrity link		2. Pioneering research		3. Historical link: <i>stone used in local farmhouses</i>	✓
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Aesthetic Value In The Landscape

1. Local importance in the landscape		2. Promotion of Earth science			✓
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Signed



I M Fenwick, Chairman,
Warwickshire Geological Conservation Group

Date first selected 13th December 2005

Reviewed by LoGS panel Oct. 2009

Further survey required

LoGS Confirmed

✓

Endorsed by

Warwickshire Museum

Natural England

J Radley, Keeper of Geology

J A Irving, Conservation Adviser

In the event of any development or planning consultation relating to this site or its surrounds please inform:

The LoGS Officer WGCG, c/o Keeper of Geology, Warwickshire Museum, Market Place, Warwick CV34 4SA (tel: 01926-418182)

**WARWICKSHIRE GEOLOGICAL CONSERVATION GROUP
LOCAL GEOLOGICAL SITE (LoGS)**

Site	81	North Woodloes Quarry
Parish	Leek Wootton	
District	Warwick	
County	Warwickshire	
National Grid Reference	SP 276 679	
Ordnance Survey Sheets 1:50000	151	
1:10000	SP 26 NE	

Location
The face is adjacent to the Centenary Way, some 100m to the N. of the point where the path leaves the golf course.

Summary of Interest
<p>The 4m high section in the Bromsgrove Sandstone Formation is cut into a sandstone displaying extensive trough cross-bedding. This is best seen towards the base of the section. Channel structures some 3m across can be seen towards the top of the section and appear to indicate flow on a WNW – ESE axis. Together these structures, along with fossils found at other sites, indicate deposition in a fluvial meanderbelt environment.</p> <p>The face is 'pock marked' where mudstone clasts have been preferentially weathered out. (Ref: Warwick Memoir p.23, Section 7). In the uppermost 2m of the section, there appear to be nodular concentrations of secondary carbonate (to be tested) which could indicate a pedogenic or other diagenetic process occurring soon after deposition. Some of these appear to be vertically concentrated, suggestive of formation around tap-root systems on the floodplain.</p> <p>The quarry was expanded in 2012 in order to allow the recovery of stone for the restoration of the Jury House in Warwick. Recently dug fresh faces at the northern end of the site additionally demonstrate mud-flake breccias and a red mudstone lens, probably representing floodplain alluvium. Additionally, sections (subsequently back-filled) in the base of the quarry revealed at least one red mudstone band, up to approximately 0.4m thick.</p>



