

Warwickshire Geological Conservation Group

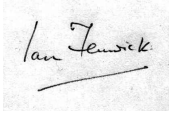
Warwickshire Local Geological Site	
Site No: 04	Whateley Quarry
Geological Formations	Halesowen Formation (Carboniferous))
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Local Geological Sites (LoGS), designated by locally developed criteria, are currently the most important places for geology 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: Whateley Quarry		Also known as: Old Stone Hole	
District: North Warwickshire		County: Warwickshire	
Grid reference: SP 2284 9930		LoGS Number: 4	ESCC Class: ED
Brief Description: Disused sandstone quarry, partly overgrown but north face is visible (2009).			
This site qualifies as a Local Geological Site for the following criteria:			
A Good Example of the Upper Carboniferous Halesowen Formation "Big Brown Sandstone" (Eastwood 1923)			
Educational Fieldwork			
1. Educational Potential	✓	2. Physical access	3. Safety
Scientific Study			
1. Diversity of interest		2. Rarity of interest	✓
4. Typicalness of feature	✓	5. Geological/physiographic linkage to: <i>Kingsbury Brickworks (5) & Baxterley Quarry (46)</i>	✓
Historical Value			
1. Celebrity link		2. Pioneering research	3. Historical link <i>with vernacular buildings in Whateley</i> ✓
Aesthetic Value In The Landscape			
1. Local importance in the landscape		2. Promotion of Earth science	
Signed		Date first selected February 1992	
 I M Fenwick, Chairman, Warwickshire Geological Conservation Group		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	4	Whateley Quarry
Parish		Kingsbury
District		North Warwickshire
County		Warwickshire
National Grid Reference		SP 2284 9930
Ordnance Survey Sheets 1:50000		139
1:10000		SP 29 NW

Location
Disused sandstone quarry, partly overgrown but north face is visible (2009). It is situated in the village of Whateley, adjacent to the junction with Cow Lane and Whateley Lane. Access possible with prior permission. <i>Much overgrown but some sections still revealed. Access difficult. (1/2009)</i>

Summary of Interest
<p>This site is the best exposure in Warwickshire of the Upper Carboniferous Halesowen Formation "Big Brown Sandstone" of Eastwood (1923). This formation comprises grey-green, micaceous sandstone (litharenite), and grey-green mudstone, with thin coals and limestone beds known as the 'Spirobis' limestone, with local intraformational conglomerate, strata may be reddened, locally.</p> <p>Formed approximately 306 to 308 million years ago, these rocks were formed from rivers depositing mainly sand and gravel detrital material in channels to form river terrace deposits, with fine silt and clay from overbank floods forming floodplain alluvium, and some bogs depositing peat; includes estuarine and coastal plain deposits mapped as alluvium.</p> <p>The exposure displays very thick units of cross-bedded sandstones within the generally muddy upper part of the formation. This site is potentially of value at A level and degree level but access is difficult, although not impossible.</p>



1998



2009

