

Warwickshire Geological Conservation Group

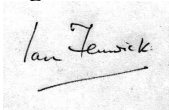
Warwickshire Local Geological Site	
Site No: 16	Hill Cottage Quarry
Geological Formations	Salop Formation (Carboniferous)
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Local Geological Sites (LoGS), designated by locally developed criteria, are currently the most important places for geology and 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: Hill Cottage Quarry		Also known as:	
District: North Warwickshire		County: Warwickshire	
Grid reference: SP276 883		LoGS Number: 16	ESCC Class: ED
Brief Description: Disused sandstone quarry, mostly infilled but two exposures remain the largest of which is 0.8m x 2.0m (2009). The best exposure of the conglomerate from the Arley - Exhall sandstone in the Whitacre Member of the Upper Carboniferous Salop Formation.			
This site qualifies as a Local Geological Site for the following criteria:			
A Good Example of in situ conglomerate within the Arley and Exhall sandstone division of the upper Whitacre Member (Salop Formation)			
Educational Fieldwork			
1. Educational Potential	✓	2. Physical access	✓
		3. Safety	✓
Scientific Study			
1. Diversity of interest		2. Rarity of interest	✓
		3. Size of feature	
4. Typicalness of feature	✓	5. Geological/physiographic linkage to: <i>Coventry Ring Road (20)</i>	
Historical Value			
1. Celebrity link		2. Pioneering research	
		3. Historical link	
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	16	Hill Cottage Quarry
Parish	Fillongley	
District	North Warwickshire	
County	Warwickshire	
National Grid Reference	SP 276 883	
Ordnance Survey Sheets 1:50000	140	
1:10000	SP 28NE	

Location
Disused sandstone quarry, mostly infilled but two exposures remain, the largest of which is 1.6m x 8.0m (1991). The site is on the east side of the B4098 opposite Arley House. Almost completely lost (2009) but small exposure (2 x 1m) is still of value.

Summary of Interest
<p>Hill Cottage arguably provides the best exposure of conglomerate within the Arley-Exhall sandstones - an informal term used by BGS to describe the sandstones which dominate the upper part of the Whitacre Member in the Upper Carboniferous, Salop Formation. (Bridge et al, 1988).</p> <p>The Whitacre Member comprises a red bed sequence; mudstone-dominated in lower part but increasingly arenaceous towards top. Thin Spirorbis limestones at some levels. Impersistent conglomerates in uppermost part. 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>This quarry was formerly designated a SSSI and has great educational potential at A level and above.</p>



