Warwickshire Geological Conservation Group

Warwickshire Local Geological Site		
Site No: 99	Bell Green Road Cutting	
Geological Formations	Outcrop of Triassic Bromgrove Sandstone Formation (Sherwood Sandstone Group)	
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Local Geological Sites (LGS), 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 a LGS 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 LGSs in Warwickshire and the West Midlands.

Please note that designation of a site as a LGS 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: Bell Green Road Cutting		Also known as:	
Location: Bell Green Road, Bell Green, Coventry		LGS No: 99	
District: Coventry		Grid Reference: SP3569582136	
ESCC Class: ER			
Brief Description: The site is a 21 metres long exposure of the Triassic Bromsgrove Sandstone Formation (Sherwood Sandstone Group). The height 5-6 metres at the SW end falling to 1-2 metres at the NE end. At the SW end the lower 3 metres is exposed with the part above heavily covered in ivy and other vegetation. At the NE end the exposure is reduced to about 1 metre.			
This site qualifies as a Local Geological Site for the following criteria:			
Education – the value of the site for educational purposes in life-long learning			✓
Valuable for fieldwork	✓	Easily and safely accessible	✓
Access permitted	✓	Capable of maintenance	✓
Scientific - the value of the site for study by both professional and amateur Earth Scientists			✓
Diversity		Rare or exceptional feature	✓
Size or extent		Typicalness	✓
Fragility		Naturalness	
Historic - the value of the site in terms of Earth Science knowledge, events or human exploitation			
Linked with a prominent geologist		Associated with an important scientific concept	
Linked with an historic building or monument		Associated with an important industrial process	
Aesthetic - the value of the site in the landscape			
Has features that form a prominent part of the landscape and are locally well known			
Has features that contribute to understanding landscape-scale geological or geomorphological processes			
Easily and safely accessible by the public			
This site has been selected by the LGS Selection Panel		13th October 2011	
Signed Ian Fenwick Chairman, Warwickshire Geological Conservation Group			
Endorsed by:			
Signed Jon Radley Keeper of Geology, Warwickshire Museum			
Signed Anton Irving Area Conservation Adviser, Natural England			
In the event of any development or planning consultation relating to this site or its surrounds, please inform the LGS Officer on-line at www.wgcg.co.uk or by post to The LGS Officer, WGCG, c/o Warwickshire Museum, Market Place, Warwick CV34 4SA			
WGCG Criteria Form Version D – July 2010			

WARWICKSHIRE GEOLOGICAL CONSERVATION GROUP
LOCAL GEOLOGICAL SITE (LGS)

Site No:	**99**	**Site Name:**	Bell Green Road Cutting
Parish			
District			Coventry
National Grid Reference			SP3569582136
Ordnance Survey Sheets 1:50000 **1:25000**			Landranger 140 Explorer 221

Location

The site is located on the NW side of Bell Green Road just after the driveway to number 367.

Parking is unrestricted on Clark Street (except on event days at the Ricoh Arena) which is about 60 metres from the site.

Summary of Interest

The main feature is a 21 metres long exposure of the Triassic Bromsgrove Sandstone Formation (Sherwood Sandstone Group). The height 5-6 metres is at the SW end falling to 1-2 metres at the NE end. At the SW end the lower 3 metres is exposed with the part above heavily covered in ivy and other vegetation. At the NE end the exposure is reduced to about 1 metre. The outcrop is a well jointed bed of massive, fairly coarse sandstone but with no obvious bedding planes. These is some evidence of current bedding and many holes of weathered-out clasts, giving the outcrop a rather irregular appearance. Above the top of this bed are what appear to be foreset beds draping out towards the pavement.

At the highest section the face comprises:

At the base about 10 cm thick pale buff sandstone showing current flow structures.

Above this is a substantial coarse, darker coloured sandstone which is about 2 metres high. The face is 'pock marked' where mudstone clasts have been preferentially weathered out.

The upper layer, of which about 1.5 metres is not covered by vegetation, exhibits current flow and drape features.

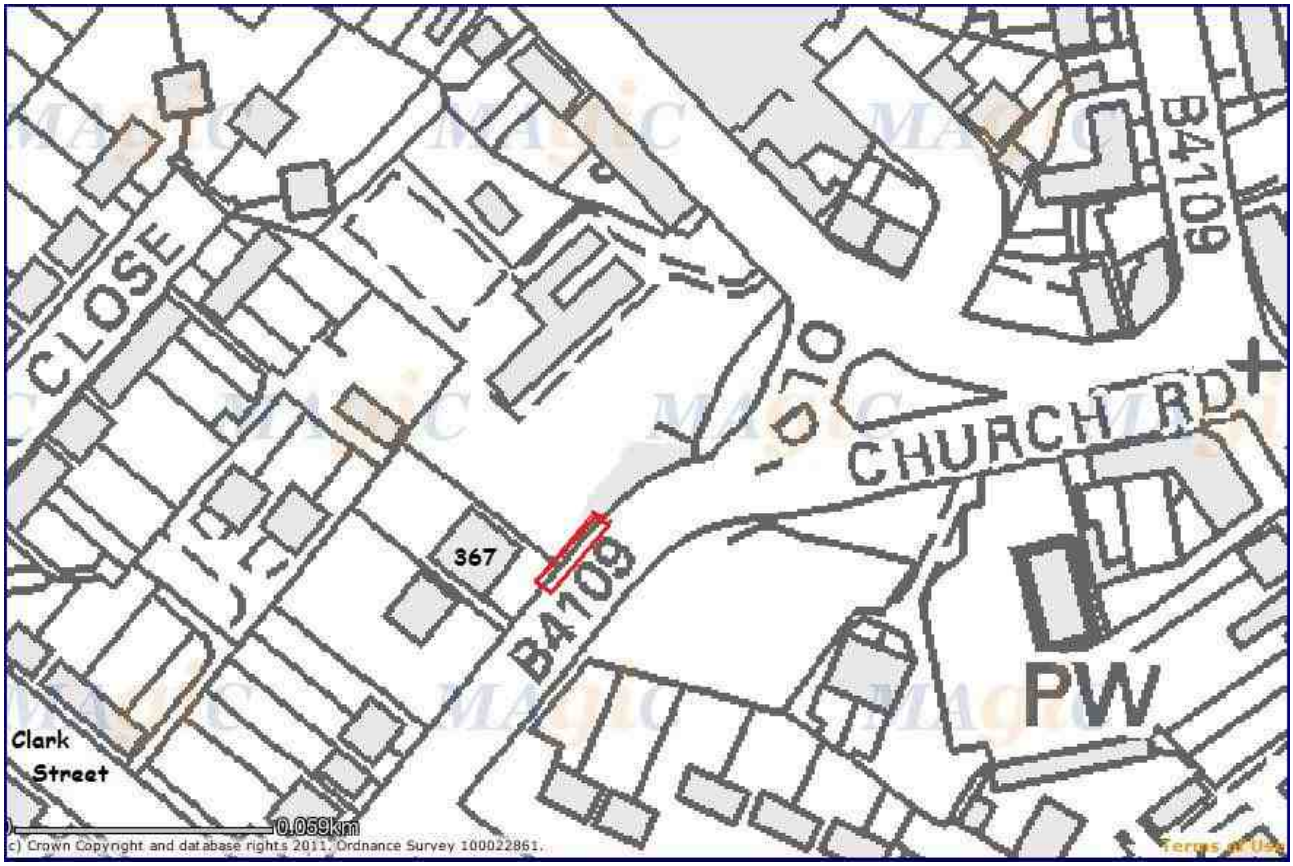
Extensive jointing is present across the whole section at a spacing ranging from 0.5 to 4 metres.

Within and below the main bed there are lenticular beds of finer, paler and less well-cemented sands.

Above the main bed of the outcrop there are several channel fills, some with fill above fill showing migration to the right in this example.

A particular value of this site is the variety of sedimentary structures visible, some of which are different from structures observed in some of our other Bromsgrove Sandstone sites.

Bell Green Road from SP3569282125 facing NW



The red outline defines the extent of the LGS

Link to Resurveyed LoGS document
http://lgs.wgcg.co.uk/LoGS99-Resurvey.pdf