

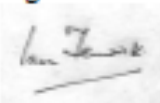
# Warwickshire Geological Conservation Group

<b>Warwickshire Local Geological Site</b>	
Site No: 01	Roundberry Quarry
Geological Formations	Chester (formerly Polesworth) 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: Stipers Hill Plantation		Also known as:			
District: North Warwickshire		County: Warwickshire			
Grid reference: SK2706 0275 (road) to 2715 0249 (plantation)		LoGS Number: 67		ESCC Class:	EO/ER
Brief Description: Exposures of basal Triassic Hopwas breccia					
This site qualifies as a Local Geological Site for the following criteria:					
A Good Example of Hopwas breccia					
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>Roundberry Quarry (1)</i>			✓
Historical Value					
1. Celebrity link		2. Pioneering research		3. Historical link: <i>Horace Brown</i>	□
Aesthetic Value In The Landscape					
1. Local importance in the landscape		2. Promotion of Earth science			
<b>Signed</b>  I M Fenwick, Chairman, Warwickshire Geological Conservation Group			Date first selected 13th March 2002		
			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		
<b>In the event of any development or planning consultation relating to this site or its surrounds please inform:</b> The LoGS Officer WGCG, c/o Keeper of Geology, Warwickshire Museum, Market Place, Warwick CV34 4SA (tel: 01926-418182)					

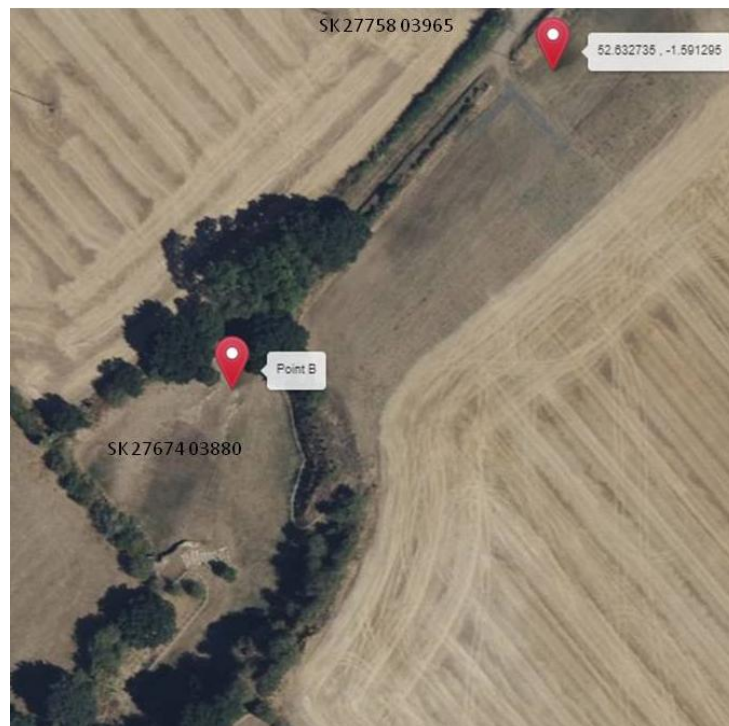
## WARWICKSHIRE GEOLOGICAL CONSERVATION GROUP LOCAL GEOLOGICAL SITE (LoGS) - resurveyed May 2023

<b>Site</b>	01	Roundberry Quarry
<b>Parish</b>		Polesworth
<b>District</b>		North Warwickshire
<b>County</b>		Warwickshire
<b>National Grid Reference</b>		SK 2765 0382
<b>Ordnance Survey Sheets</b> <b>1:50000</b> <b>1:10000</b>		140 SK 20 SE

### Location

A private disused gravel quarry 1.6 km north east of Polesworth. The quarry can be reached 500m down a track which is to the south of the road from Warton to Austrey, the turning being at GR SK 282 043.

The quarry is being used for wedding venues and is kept in immaculate condition. Contact the owners for permission to visit. Significant parking can be accommodated in the assigned field immediately to the left after entering the gated track way.



## **Summary of Interest**

The only good exposure in Warwickshire of the lowermost Triassic Chester Formation (formally Polesworth Formation and before that "Bunter Pebble Beds"). Comprises or poorly cemented sandstone with thin beds of mudstone and conglomerate. This site is suitable to use as a type locality for this formation although it has not been formally designated as such.

The exposures are mostly of the west and south faces of the quarry with around 70% vegetation free. There are some small exposures within the NW part of the quarry (2023).

The west and south faces have 70% exposure. The quarry face exposes a cumulative section of 10m in height. The vertical faces show soft, pale buff, current-bedded sandstones of varying grain size. The fine grained sands are thinly bedded and can be considered as flagstones.

The sandstones are poorly cemented and overly well bedded, coarse conglomerates with sandstone lenses. The gravels are very poorly sorted ranging from small pebbles to large blocks. They are composed dominantly of vari-coloured quartzites (white, cream, brown, black). Many are metaquartzite. Orthoquartzites have been reported. They are all well rounded, commonly elliptical in shape. Occasionally cream coloured claystone pebbles can be seen, presumably of local Carboniferous origin. There are also some thin clay lenses within the conglomerates. The conglomerates are well cemented

Pebble imbrications can occasionally be observed, but it is not common..

The site is of considerable educational value at all levels.



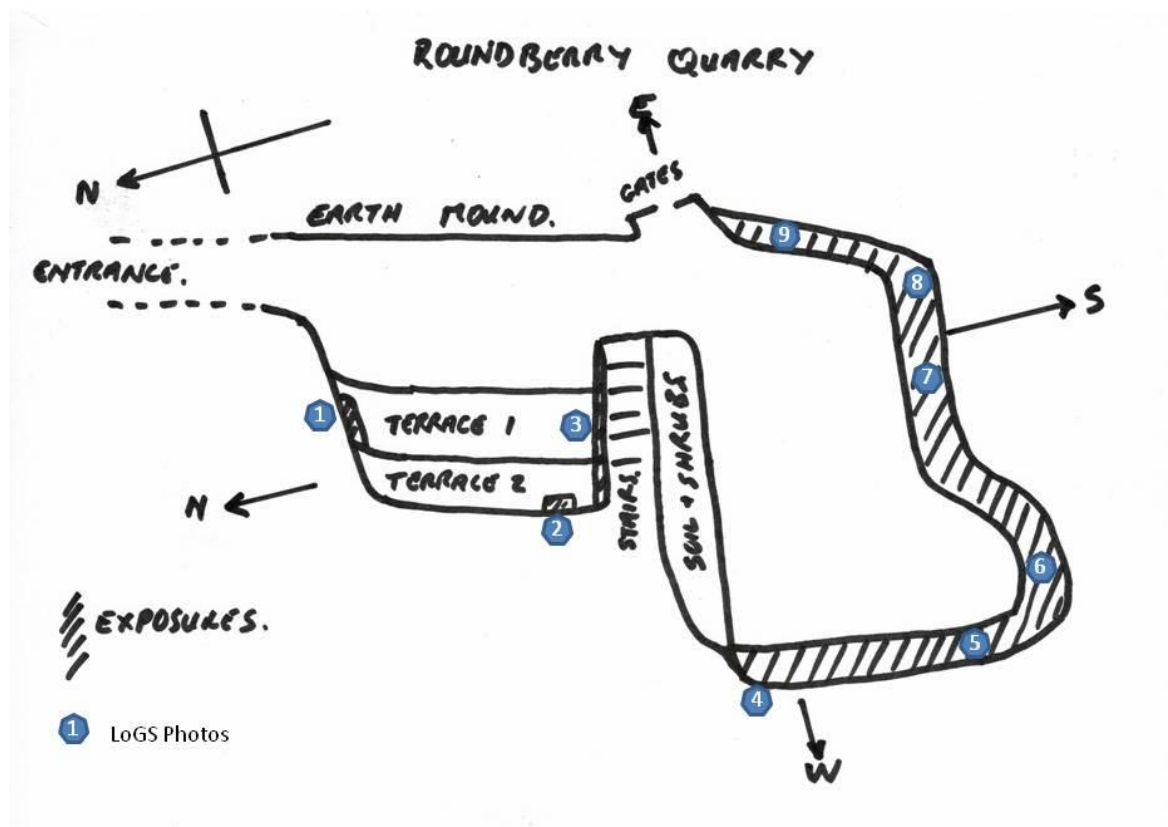


Photo 1 (north side of quarry)





Photo 2 NW side of quarry



Photo 3 Mid part of quarry





Photo 4 West side of quarry



Photo 5 West South West part of quarry





Photo 6 South West side of quarry



Photo 7 South side of quarry





Photo 8 South side of quarry



Photo 9 South East side of quarry

