

Warwickshire Geological Conservation Group

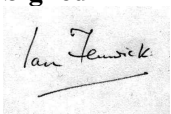
Warwickshire Local Geological Site	
Site No: 67	Stipers Hill Plantation
Geological Formations	Hopwas Breccia Formation (Triassic)
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Local Geological Sites (LoGS), designated by locally developed criteria, are currently the most important places for geology 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: 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	
Signed  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	
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	67	Stipers Hill Plantation
Parish		Polesworth
District		North Warwickshire
County		Warwickshire
National Grid Reference		SK2706 0275 (road) to 2715 0249 (plantation)
Ordnance Survey Sheets 1:50000 1:10000		140 SK 20 SW

Location
The site extends from the south bank of Stipers Hill Plantation to the northern boundary of the Warton road. It encompasses the whole of the hill, the topographic ridge forming the field boundary and the road cutting. The site is approximately 1km east of Polesworth.

Summary of Interest
Site comprising a strip of high ground at Stipers Hill, between the River Anker and the Polesworth – Warton road. The site is bounded to the north, west and south by exposures of the basal Triassic Hopwas Breccia dipping steeply to the south-east in proximity to the Polesworth Fault. The northernmost of these sections (Stipers Hill road cutting) featured in Horace Brown's important (1889) paper on Hopwas/Moira breccia petrology and is thus of historic significance. The clasts comprise quartzite (84%), Carb. Lime (9%), igneous rocks (4%) and grey, flinty slate (2.6%) (according to BGS Memoir). The land between the breccia outcrops is occupied by intermittently exposed red sands with Bunter pebbles. This has been previously mapped as Triassic Polesworth Formation but appears to be a superficial deposit. Further exposures of the breccia are found on the southern bluff of the plantation.



