

# Warwickshire Geological Conservation Group

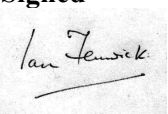
Warwickshire Local Geological Site	
Site No: 94	Kings Hill Nurseries
Geological Formations	Kenilworth Sandstone Formation (Permian)
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Local Geological Sites (LoGS), designated by locally developed criteria, are currently the most important places for 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

<b>Site name:</b> Kings Hill Nurseries		<b>Also known as:</b>	
<b>District:</b> Warwick		<b>County:</b> Warwickshire	
<b>Grid reference:</b> SP 3175 7423		<b>LoGS Number:</b> 94	<b>ESCC Class:</b>
<p><b>Brief Description:</b> A long 3m high section displaying rhythmically deposited sandstones and mudstones in the Permian Kenilworth Sandstone Formation. The Permian rocks are capped with a slope deposit of Pleistocene or Holocene age which features well defined, thin, stratified layers of clays and silty clays.</p>			
<b>This site qualifies as a Local Geological Site for the following criteria:</b>			
<b>A Good Example of</b> a clear, extensive and accessible outcrop of the Kenilworth Sandstone Formation			
<b>Educational Fieldwork</b>			
1. Educational Potential	✓	2. Physical access	✓
		3. Safety	✓
<b>Scientific Study</b>			
1. Diversity of interest	✓	2. Rarity of interest	
		3. Size of feature	✓
4. Typicalness of feature	✓	5. Geological/physiographic linkage to: <i>Kenilworth Castle Quarry (26)</i>	✓
<b>Historical Value</b>			
1. Celebrity link		2. Pioneering research	
		3. Historical link	
<b>Aesthetic Value In The Landscape</b>			
1. Local importance in the landscape		2. Promotion of Earth science	
<b>Signed</b>		<b>Date first selected</b> 16 <sup>th</sup> Sept. 2008	
 I M Fenwick, Chairman, <b>Warwickshire Geological Conservation Group</b>		<b>Reviewed by LoGS panel</b> Oct. 2009	
		<b>Further survey required</b>	
		<b>LoGS Confirmed</b> <span style="float: right;">✓</span>	
<b>Endorsed by</b>			
<b>Warwickshire Museum</b>		<b>Natural England</b>	
J Radley, Keeper of Geology		J A Irving, Conservation Adviser	
<p><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)</p>			

**WARWICKSHIRE GEOLOGICAL CONSERVATION GROUP  
LOCAL GEOLOGICAL SITE (LoGS)**

<b>Site</b>	94	Kings Hill Nurseries
<b>Parish</b>		Stoneleigh
<b>District</b>		Warwick
<b>County</b>		Warwickshire
<b>National Grid Reference</b>		SP 3175 7423
<b>Ordnance Survey Sheets 1:50000</b>		140
<b>1:10000</b>		SP 37SW

<b>Location</b>
The section forms part of the premises of the Kings Hill Nurseries and is formed where the land has been levelled to allow for the siting of large glasshouses. It is readily accessible, but parties should make prior arrangements with the nursery manager.

<b>Summary of Interest</b>
<p>The outcrop is assigned to the Kenilworth Sandstone Formation of the Permian Warwickshire Group. The section extends for approximately 80m at c.2 - 3m height. A sequence of coarsely- to very finely-bedded red bed units is revealed dipping <i>apparently</i> at c3° to WSW. The lowest unit exposed is a massively bedded coarse sandstone, some 100cm in thickness, overlain by a thin (30cm) finely laminated sandy clay unit (replaced by a brick reinforcement for much of the section). In turn, this is overlain by a further massive sandstone (40cm) and, finally, by some 150cm of flaggy to finely laminated sandstone. The whole would seem to represent transport in conditions of rapidly changing energy with deposition in shallow water.</p> <p>The Permian sequence has been mantled in a Pleistocene or Holocene slope deposit of well defined, thin, stratified layers of clays and silty clays; these are particularly evident in the southern part of the exposure.</p>



