

# Warwickshire Geological Conservation Group

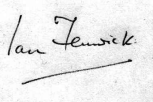
Warwickshire Local Geological Site	
Site No: 01	Roundberry Quarry
Geological Formations	Polesworth (Triassic)
Criteria Form	p 2
Description	p 3
Photographs	p 4
Location Map	p 5

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 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 LGS 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

<b>Site name:</b> Roundberry Quarry		<b>Also known as:</b>	
<b>District:</b> North Warwickshire		<b>County:</b> Warwickshire	
<b>Grid reference:</b> SK 2765 0382	<b>LGS Number:</b> 1	<b>ESCC Class:</b>	ED
<b>Brief Description:</b> A disused gravel quarry 1.6km north east of Polesworth. The only good exposure in Warwickshire, of the Triassic Polesworth Formation, formerly known as the "Bunter Pebble Beds".			
<b>This site qualifies as a Local Geological Site for the following criteria:</b>			
A Good Example of the Triassic Polesworth Formation in the county.			
<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>Stipers Hill Plantation (67)</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> February 1992	
 I M Fenwick, Chairman, <b>Warwickshire Geological Conservation Group</b>		<b>Reviewed by LoGS panel</b> Oct. 2009	
		<b>Further survey required</b>	
		<b>LGS 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	
<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 (LGS)**

<b>Site</b>	1	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 1:50000</b>		140
<b>1:10000</b>		SK 20 SE

<b>Location</b>
A disused gravel quarry 1.6km north east of Polesworth. The east and south faces have 80% exposure, while the rest are overgrown (2009). 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.

<b>Summary of Interest</b>
<p>The only good exposure in Warwickshire of the Triassic Polesworth Formation, formerly known as the "Bunter Pebble Beds", which comprises poorly cemented, reddish-brown sandstone with thin beds of red 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.</p> <p>The east and south faces have 80% exposure, while the rest are overgrown (2009).</p> <p>The quarry face exposes a cumulative section of 10m in height. The vertical faces show soft, pale buff, current-bedded sandstones overlying well bedded, coarse conglomerates with sandstone lenses. The gravels are dominated by brown ortho-quartzites with substantial amounts of vein quartz and subsidiary amounts of ? Carboniferous chert. Significant quantities of siliceous meta-sedimentary pebbles can also be found. In places, the gravel clasts display imbrication.</p> <p>The site is of considerable educational value at all levels.</p>



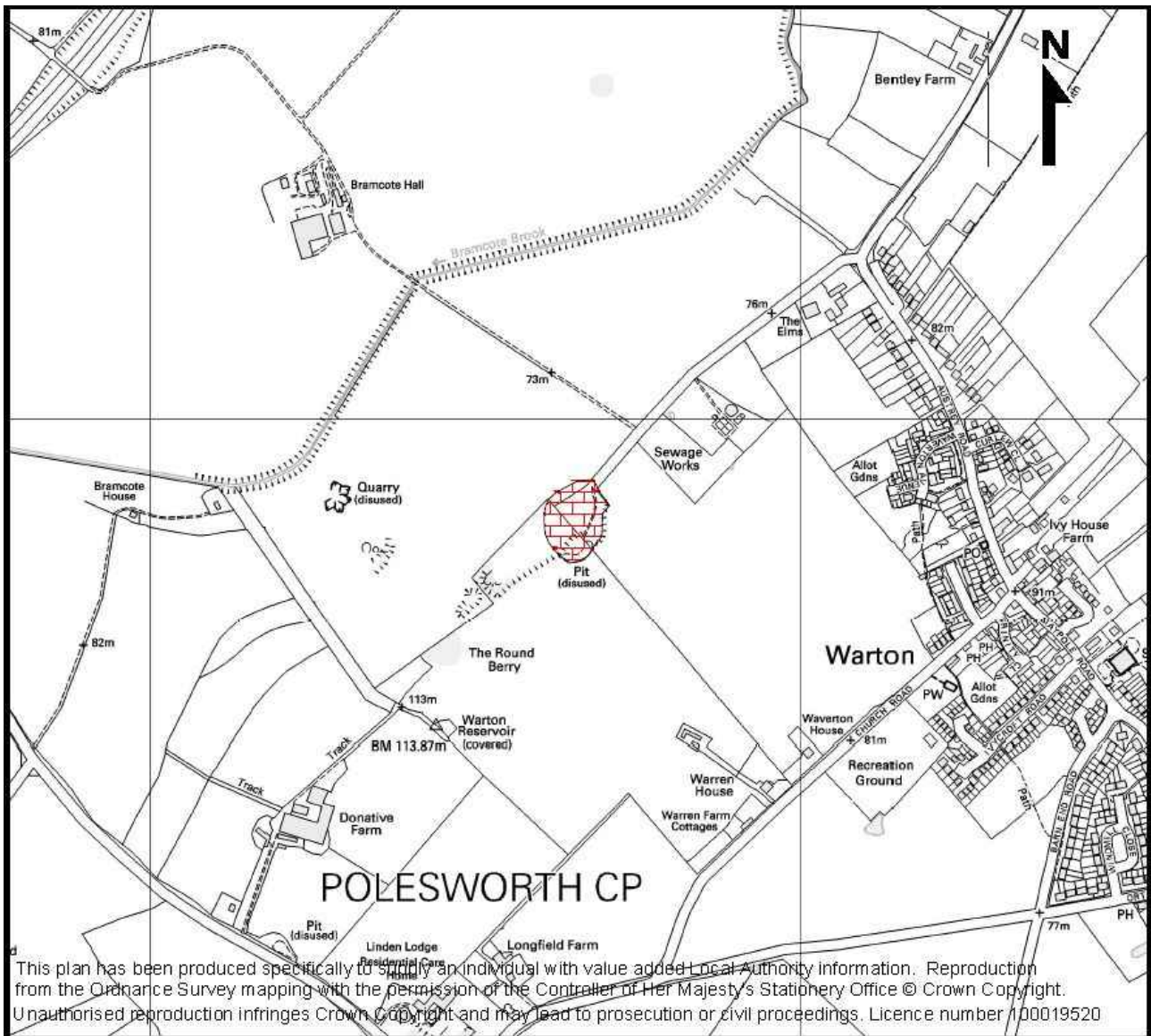
Bunter Pebble Beds

1965

British Geological Survey P210284



Warwickshire Geological Conservation Group 2009



Link to Resurveyed LoGS document  
<http://lgs.wgcg.co.uk/LoGS01-Resurvey.pdf>