

Warwickshire Geological Conservation Group

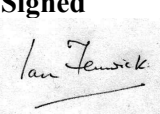
Warwickshire Local Geological Site	
Site No: 41	Purley Quarry
Geological Formations	Outwood Shale (Cambrian) Midlands Minor Intrusive Suite (Ordovician)
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Local Geological Sites (LoGS), designated by locally developed criteria, are currently the most 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: Purley Quarry		Also known as: Mancetter (Purley) Quarry	
District: North Warwickshire		County: Warwickshire	
Grid reference: SP306 960 (centroid) SP 3067 9589 (Trilobites) SP 3038 9644 (Mawbournes) SP 3038 9627 (Sill)		LoGS Number: 41	ESCC Class: ED
Brief Description: Disused quarry in Oldbury 'diorite' sills intruded into Outwoods Shale Formation of Upper Cambrian Stockingford Shale Group, which contains trilobite faunas.			
This site qualifies as a Local Geological Site for the following criteria:			
A Good Example of fossiliferous Upper Cambrian succession in Warks. Only example of a site linked with the early 19th century research on the Cambrian / Carboniferous controversy			
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>Steppy Lane Section (7), Oldbury Quarry (9), Jee's Quarry (10), Stockingford Railway Cutting (14) & Griff No. 4 Quarry (68)</i>	✓
Historical Value			
1. Celebrity link: <i>Prof. Lapworth</i>	✓	2. Pioneering research	
		3. Historical link:	
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 April 1998	
		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

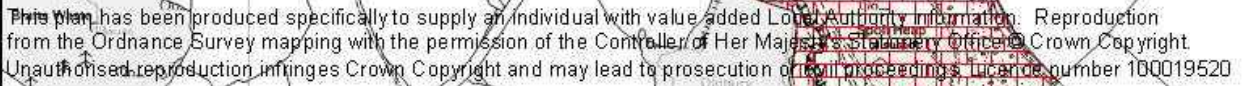
LOCAL GEOLOGICAL SITE (LoGS)

Site	41	Purley Quarry (<i>formerly Mancetter (Purley) Quarry</i>)
Parish		Mancetter
District		North Warwickshire
County		Warwickshire
National Grid Reference		SP 306 960 (approx.) (centroid) Trilobites: SP 3067 9589 Mawbournes: SP 3038 9644 Sill: SP 3038 9627
Ordnance Survey Sheets 1:50000 1:10000		140 SP 29NW

Location
Access is at SP 307 958 in Quarry Lane, a turning off the B4111 at Mancetter by the church

Summary of Interest
<p>An disused road metal quarry in the Oldbury sill, the thickest of the lamprophyre sills intruded into the Outwoods Shale Formation of the Upper Cambrian. Significantly, the quarry affords strike sections through the middle part of the Outwoods Shale Formation, dominated by laminated mudstones. Fossils occur at several horizons and include a number of biostratigraphically significant olenid and agnostid trilobites indicating the gibbosus, truncatus, wahlenbergi and cataractes subzones of the Cambrian (Merioneth Series) Olenus Zone.</p>





The areas in blue are considered to be specific 'areas of interest'.