# Warwickshire Geological Conservation Group

| Warwickshire Local Geological Site | | |
|---|---|---|
| Site No: 17 | Newdigate Colliery Mineral Railway Cutting | |
| Geological Formations | Salop Formation (Carboniferous) | |
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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

| | | | |
|---|---|---|---|
| **Site name:** Newdigate Colliery Mineral Railway Cutting | **Also known as:** | | |
| **District:** Nuneaton & Bedworth | **County:** Warwickshire | | |
| **Grid reference:** SP341 868 | **LoGS Number:** 17 | **ESCC Class:** | ER |

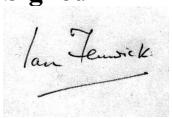
**Brief Description:** Extant railway cutting to the former Newdigate Colliery site which is situated to the west of Bedworth. A field visit in 1983 recorded exposures either side of the bridge at SP341 868 revealing hard red limestone with green mudstone horizons, overlain by red mudstone with discontinuous green horizons totalling c.2m in height. Limestone band has yielded fish debris, ostracods and the gastropod *Arthracopupa.*

**This site qualifies as a Local Geological Site for the following criteria**:

**A Good Example of** an accessible exposure of a thin bed of fossiliferous limestone within the Whitacre Member of the Salop Formation.

| | | | | | |
|---|---|---|---|---|---|
| **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: *Arley Tunnel Cutting - West (15)* | | | ✓ |
| **Historical Value** | | | | | |
| 1. Celebrity link | | 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** February 1992 | |
| **Reviewed by LoGS panel** Oct. 2009 | |
| **Further survey required** | |
| **LoGS Confirmed** | ✓ |

**Endorsed by**

**Warwickshire Museum**

J Radley, Keeper of Geology

**Natural England**

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** | 17 | Newdigate Colliery Mineral Railway Cutting |
| **Parish** | | |
| **District** | | Nuneaton & Bedworth |
| **County** | | Warwickshire |
| **National Grid Reference** | | SP 341868 |
| **Ordnance Survey Sheets 1:50000**<br>**1:10000** | | 140<br>SP 38NW |

| **Location** |
|---|
| Extant railway cutting in 1991 to the former Newdigate Colliery site which is situated west of Bedworth |

| **Summary of Interest** |
|---|
| This cutting reveals part of the Whitacre Member of the Upper Carboniferous Salop Formation. A field visit in 1983 recorded exposures on either side of the bridge at SP 341 868 revealing hard red limestone with green marl horizons, overlain by red marl with discontinuous green horizons totalling c.2m in height. Limestone band has yielded fish debris, ostracods and the gastropod *Anthracopupa.*<br><br>The Whitacre Member comprises a red bed sequence; mudstone-dominated in lower part but increasingly arenaceous towards top. Thin Spirorbis limestones at some levels. Impersistent conglomerates in uppermost part. Formed from rivers depositing mainly sand and gravel detrital material in channels to form river terrace deposits, with fine silt and clay from overbank floods forming floodplain alluvium, and some bogs depositing peat; includes estuarine and coastal plain deposits mapped as alluvium.<br><br>It is likely that this site would be of greatest use to researchers. |