Warwickshire Geological Conservation Group

Warwickshire Local Geological Site		
Site No: 35	Edge Hill Quarry	
Geological Formations	Marlstone Rock Formation (Jurassic) Dyrham Formation (Jurassic)	
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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: Edge Hill Quarries	**Also known as:** Ratley Grange Quarries		
District: Stratford-on-Avon	**County:** Warwickshire		
Grid reference: SP375 472	**LoGS Number:** 35	**ESCC Class:**	ED

Brief Description: This site is one of a series of disused quarries. This site is an extensive quarry in Lower Jurassic, Marlstone Rock Formation. This unusual horizon is a ferruginous oolitic limestone.

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

A Good Example of the Marlstone Rock Formation, especially in its oxidised manifestation

Educational Fieldwork

1. Educational Potential	✓	2. Physical access	✓	3. Safety	✓

Scientific Study

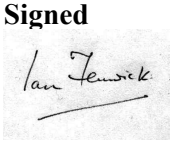
1. Diversity of interest		2. Rarity of interest: *berthierine*	✓	3. Size of feature	✓
4. Typicalness of feature	✓	5. Geological/physiographic linkage to: *Burton Dassett Hills (33), Meon Hill Barn (36), Avonhill Quarry (50), A422 Quarry, Hornton (59), Humpty Dumpty Field, Ilmington (77) & Edge Hill Farm (88)*			✓

Historical Value

1. Celebrity link		2. Pioneering research		3. Historical link: *Industrial archaeology Northants-Oxon ironstone; vernacular architecture in nearby villages*	✓

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	**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)

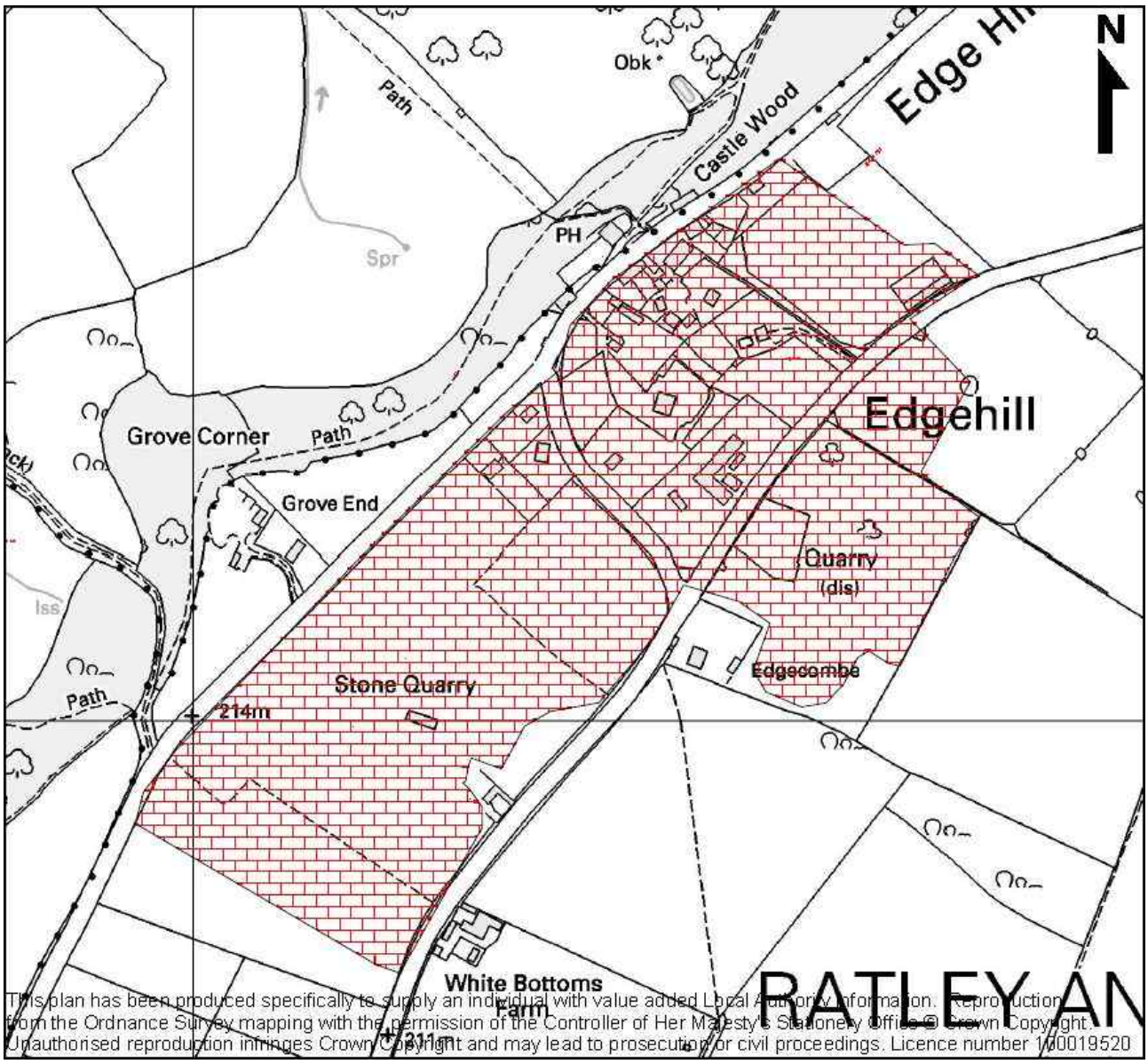
Site	35	Edge Hill Quarries
Parish		Ratley & Upton
District		Stratford-on-Avon
County		Warwickshire
National Grid Reference		SP 375 472
Ordnance Survey Sheets 1:50000 **1:10000**		151 SP 34 NE

Location

This site is one of a series of disused quarries. The northern quarries are largely extinct, but there are good exposures in the southern and eastern ones. The site is situated on the top of Edge Hill just off the road that runs the length of the escarpment near the village of Edgehill.

Summary of Interest

This site is an extensive quarry in the Lower Jurassic Marlstone Rock Formation. This unusual horizon is a ferrruginous oolitic limestone. The stone has been exploited as a low grade iron ore and as a decorative building stone. It is commonly known as Hornton Stone after the Oxfordshire village where it was most extensively worked. The stone at this site has been oxidised to a rich rusty brown colour and should be compared to the A422 Quarry, Hornton (59) where the fresh green colour is more widespread. In places, at the base of the section, exposures of the Dyrham Formation were evident c.2000 & yielded a shelly, silty mudstone. The rock contains several invertebrate fossils including bivalves, brachiopods and belemnites.



Link to Resurveyed LoGS document
http://lgs.wgcg.co.uk/LoGS35-Resurvey.pdf