

Hartley Bank Quarry, Thunderbridge

STATUS: Local Geological Site

OTHER DESIGNATIONS:

COUNTY: West Yorkshire

DISTRICT: Kirklees

OS GRID REF. SE 189 115

OS 1:50,000 Landranger 110 Sheffield and Huddersfield

OS 1:25,000 Explorer 288 Bradford and Huddersfield

BGS 1:50,000 Sheet 86 Glossop

FIRST DESIGNATED by West Yorkshire RIGS Group in 1996

DATE OF MOST RECENT SURVEY February 2008 by West Yorkshire Geology Group

SCIENTIFIC INFORMATION produced by Ian Chisholm

DESIGNATION SHEET UPDATED August 2009



SITE DESCRIPTION:

Exposures of Upper Carboniferous Langsettian (Coal Measures) Greenmoor Rock are revealed along a 50m abandoned quarry face. The site illustrates a range of sedimentary rocks with massive sandstones and silty mudstones forming a 12m high section. The southern end of the exposure illustrates part of a large channel with erosion surfaces. Cross stratification structures can be seen at the base of the massive sandstones.

HISTORICAL ASSOCIATIONS:

EDUCATIONAL VALUE:

This is a suitable site for students to study sedimentary environments and sandstone structures.

AESTHETIC CHARACTERISTICS:

The site lies in a wooded vale, typical of Coal Measures landscapes in West Yorkshire.

ACCESS AND SAFETY:

There is parking adjacent to the site on Thunderbridge Lane. There is safe access, although the site is overgrown in places, requiring clearance of vegetation. It is the car park for the Woodman Inn in Thunderbridge and is floodlit at night.