

Greetland Quarry



STATUS: Local Geological Site

OTHER DESIGNATIONS:

COUNTY: West Yorkshire

DISTRICT: Calderdale

OS GRID REF. SE 095 216

OS 1:50,000 Landranger 104 Leeds and Bradford

OS 1:25,000 Explorer 288 Bradford and Huddersfield

BGS 1:50,000 Sheet 77 Huddersfield (Solid and Drift)

FIRST DESIGNATED by West Yorkshire RIGS Group in 1996

MOST RECENT SURVEY West Yorkshire Geology Trust January 2009

DESIGNATION SHEET UPDATED August 2009

SITE DESCRIPTION:

Upper Carboniferous Rough Rock sandstone of the Namurian (Millstone Grit) Series is exposed in a 6m quarry face, which extends for 100m east-west before becoming overgrown. The exposure demonstrates depositional features associated with meandering channels within a deltaic system. Current directions can be determined from the cross stratification seen within the bedding.

HISTORICAL VALUE:

The Huddersfield and Halifax geological memoir 1930 p184 (see reference below) mentions that the Rough Rock Flags were worked in many quarries in North Dean Woods, where they are about 30m thick.. This probably includes this quarry, called Dean Top Delph on the map below, which has the same rock type. The memoir p46 reports that the Rough Rock Flags are about 15m thick on the south side of Greetland Moor. Because the rocks are well bedded, they would have been exploited for flags and setts, with the waste being used for aggregate for local roads.

EDUCATIONAL VALUE:

This site is suitable for sixth form and higher level students interested in studying depositional features of sand bodies. It would be a good site for developing interpretative skills.

AESTHETIC CHARACTERISTICS:

The quarry has a considerable amount of graffiti and there is water running down the face.

ACCESS AND SAFETY:

The quarry is found off Clayhouse Lane off the B6113 Ripponden to Greetland road. There is parking along nearby streets for cars/minibuses. Access to the site is along the footpath behind Coronation Street which runs through the quarry and into North Dean Woods. There is a level grassed area in front of the quarry face, though wheelchair access would not be easy. Hard hats need to be worn. The site is used for climbing.