
A2 D166 Doncaster Road

Site information

Site name: Doncaster Road

Site key: D166

Grid reference: [SK 492 998] (centred on)

Site type: disused quarries, pits and cuttings

Local authority: Doncaster Metropolitan Borough Council, South Yorkshire

Site dimensions: 8 m x 3 m

Site owner: Not known

Conservation status: Regionally Important Geological Site **Date:** 19/8/97

Field surveyor: Scott Engering **Date:** 21/2/07

Stratigraphy and rock types

Time unit: Carboniferous, Westphalian **Rock unit:** Mexborough Rock, Pennine Middle Coal Measures Formation, Pennine Coal Measures Group

Rock type: Sandstone **Details:** Massive cross-bedded medium grained buff sandstone

Site map

(Figure 18) — D166 Doncaster Road

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Site description

The old quarry which once had an extensive exposure of Mexborough is now virtually entirely developed and incorporated into the road scheme. A very small exposure now exists adjacent to the railway line with maximum dimensions of 8 m x 3 m. It is visible from the northern side of the railway, accessible over made ground that is not likely to remain undeveloped. The exposure itself is fenced off and for most practical purposes is inaccessible; although in the absence of other good exposures of Mexborough Rock it still retains Geodiversity value. The Mexborough Rock forms some important geomorphological features in the area and it is important to have an exposure of this formation visible.

The exposure comprises massive, cross bedded, medium grained buff coloured sandstone.

RIGS assessment of site value D166 Doncaster Road

Ratings: 1–2 very poor; 3–4 poor; 5–6 acceptable/useful; 7–8 quite good; 9–10 very good/excellent; N/A not applicable; D/K don't know

Access and safety

Aspect/Description/Rating

Road access & parking Good parking in nearby leisure centre. Rating: 8

Safety of access Best view is obtained by walking onto mound of made ground and uneven. Moderate care required. Grassed. Rating: 5

Safety of exposure Safe. Viewed only from other side of railway line. Rating: 5

Permission to visit Not required at present. Rating: 5

Current condition Partially overgrown. Rating: 5

Current conflicting activities Development of area

Restricting conditions Inaccessible

Nature of exposure Remains of old quarry face

Multiple exposures/prospect for trail Limited due to lack of access

Notes

Culture, heritage & economic

Aspect/Description/Rating

Historic, archaeological & literary associations Not applicable. Rating: 0

Aesthetic landscape Negligible. Rating: 1

History of Earth Sciences One of only two recorded exposures of Mexborough Rock. Rating: 1

Economic geology Formerly a building stone quarry for local use

Notes Limited cultural value

Education and science

Surface processes Weathering of rock face. Rating: 5

Geomorphology Not applicable. Rating: 0

Sedimentary Large scale cross bedding and massive beds indicative of fluvial conditions. Rating: 5

Fossils Not applicable. Rating: 0

Igneous Not applicable. Rating: 0

Metamorphic Not applicable. Rating: 0

Tectonic: structural Not applicable. Rating: 0

Minerals Not applicable. Rating: 0

Stratigraphy An example of Mexborough Rock near to type locality. Rating: 5

Notes Limited value due to inaccessibility and position but it is one of only 2 recorded exposures of Mexborough Rock

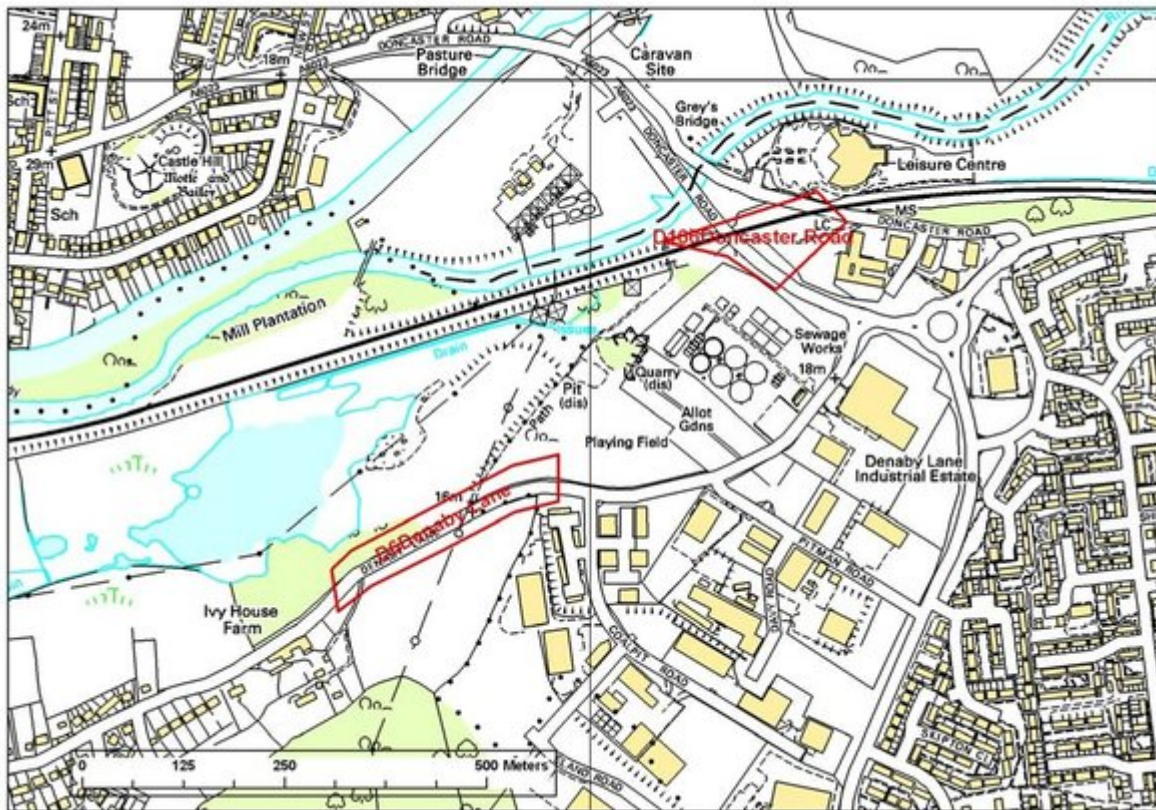
Geodiversity value

Moderately high, just because it is still the best exposure of Mexborough Rock recorded 7

Site photographs D166 Doncaster Road

(Figure 19) Flyover obscuring outcrop of Mexborough Rock. [SK 49300 99840].

(Figure 20) Remaining outcrop of Mexborough Rock. [SK 49300 99840].



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(Figure 19) Flyover obscuring outcrop of Mexborough Rock. [SK 49300 99840].



(Figure 20) Remaining outcrop of Mexborough Rock. [SK 49300 99840].