

# Cutlers Quarry

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## Cutlers Quarry [SD 6239 4007] and Dale House Quarry [SD 6253 4022], near Longridge, Lancashire

MAP TO GO HERE

Map extract from DigMap50k showing the location of Cutlers and Dale House quarries and the distribution of Pendleside Limestone Formation limestones (in turquoise) and Rad Brook Mudstone Member (pale blue), with underlying Hodderense Limestone Formation (in lilac) to NW and overlying Bowland Shale Formation present to SE. [P785914](#).

### Summary

This composite section in Cutlers Quarry [SD 6239 4007] and Dale House Quarry [SD 6253 4022] (both disused), located about 2.5 km northeast of Longridge, Lancashire (Aitkenhead et al., 1992)<sup>[1]</sup> is a reference section for the Pendleside Limestone Formation (Riley, 1990<sup>[2]</sup>; Waters et al. 2009<sup>[3]</sup>).

### [PENDLESIDE LIMESTONE FORMATION](#)

Cutler's Quarry, WNW of Dale House near Longridge, is a disused quarry in the main Pendleside Limestone above the Rad Brook Mudstone Member. Thin to thick-bedded, bioturbated, grey [wackestones](#) and packstones with common black chert lenses and nodules, some graded beds and shaly mudstone intercalations. The thick massive beds comprise dark grey [wackestones](#) and thinner graded [wackestones](#)/packstone beds with sharp bases and directional [sole structures](#) (Aitkenhead et al., 1992). Slump folds are present in the extreme right-hand part of the quarry face.



Cutler's  
Quarry  
WNW of  
Dale  
House  
near  
Longridge.  
Slump  
folds are  
present in  
the  
extreme  
right-hand  
part of the  
quarry  
face (seen  
in  
P213510).  
[P213509](#).



Detail of  
slump  
folds in  
beds of  
Pendleside  
Limestone  
Formation  
at Cutler's  
Quarry  
WNW of  
Dale  
House  
near  
Longridge.  
[P213510](#).

Dale House Quarry NW of Dale House near Longridge. Disused quarry in Pendleside Limestone above the Rad Brook Mudstone Member. Thin to thick-bedded, grey to dark grey [wackestones](#) and packstones some with abundant chert nodules, some graded beds and shaly mudstone intercalations, similar to Cutler's Quarry. Total thickness 25.36 metres.



Dale House  
Quarry NW of  
Dale House near  
Longridge.  
Disused quarry in  
Pendleside  
Limestone. Thin to  
thick-bedded, grey  
to dark grey  
wackestones and  
packstones some  
with abundant  
chert nodules,  
some graded beds  
and shaly  
mudstone  
intercalations.  
[P213511](#).

## Structure

Both quarries show a tectonic dip of 47° to the southeast.

## See also

[Pendleside Formation \(PDL\)](#)

- [Burst Clough](#)
- [Cutlers Quarry](#)
- [Bottoms Beck](#)
- [River Hodder](#)
- [Hambleton Quarry](#)

## References

1. [↑](#) AITKENHEAD, N, BRIDGE, D M, RILEY, N J, and KIMBELL, S F. 1992. Geology of the country around Garstang. *Memoir of the British Geological Survey, Sheet 67 (England & Wales)*.
2. [↑](#) RILEY, N J. 1990. Stratigraphy of the Worston Shale Group (Dinantian) Craven Basin, north-west England. *Proceedings of the Yorkshire Geological Society*, Vol. 48, 163-187.
3. [↑](#) WATERS, C N, WATERS, R A, BARCLAY, W J, and DAVIES, J R. 2009. *Lithostratigraphical framework for Carboniferous successions of Southern Great Britain (Onshore)*. British Geological Survey Research Report, RR/09/01

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