

Park Hill Limestone Member

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[Jump to navigation](#) [Jump to search](#)

Contents

- [1 Park Hill Limestone Member \(PAL\), Carboniferous, Northern England Province](#)
 - [1.1 Name](#)
 - [1.2 Lithology](#)
 - [1.3 Stratotype](#)
 - [1.4 Lower and upper boundaries](#)
 - [1.5 Thickness](#)
 - [1.6 Distribution and regional correlation](#)
 - [1.7 Age](#)
- [2 References](#)

Park Hill Limestone Member ([PAL](#)), Carboniferous, Northern England Province

Park Hill Limestone member is part of the [Great Scar Limestone Group](#)

Name

The name was given by Pattison (1990)^[1] for the lower part of the Scandal Beck Limestone Formation.

Lithology

Limestone and dolostone, fine-grained grainstone and packstone, dark grey to buff, wavy-bedded, interbedded with sandstone, siltstone and mudstone. The limestone lacks the common occurrence of corals, typical of the overlying Coupland Syke Limestone Member.

Stratotype

Partial type section is the course of the Rais Beck (NY 6393 0681 to 6428 0693), north of Fawcett Mill, by the village of Orton, Cumbria where about 20 m of limestone with thin beds of dolostone, sandstone and siltstone near the top of the member are patchily exposed (see Pattison, 1990^[1]).

Lower and upper boundaries

In the Ravenstonedale area, the base of the member coincides with the top of the Algal Nodular Beds at the top of Coldbeck Limestone Formation, the latter comprising well bedded limestones with mudstone partings, and flaggy dolostones with algal macrostructures.

The top of the member occurs beneath the more regularly bedded and fossiliferous packstones with thin mudstone and siltstone interbeds of the overlying Coupland Syke Limestone Member (COSL) (Figure 9, Column 16). The junction is taken at the top of a 5 m-thick sandstone and mudstone unit

that forms a topographical depression.

Thickness

Between 50 and 75 m

Distribution and regional correlation

Ravenstonedale, Cumbria between the M6 road and the Dent Fault Zone, south of Kirkby Stephen.

Age

Chadian

References

- ↑ Pattison, J.1990.Geology of the Orton and Sunbiggin Tarn districts: 1:10 000 sheets NY60NW and NE.*British Geological Survey Technical Report, WA/90/12*

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Category:

- [Carboniferous lithostratigraphical nomenclature](#)

Navigation menu

Personal tools

- Not logged in
- [Talk](#)
- [Contributions](#)
- [Log in](#)
- [Request account](#)

Namespaces

- [Page](#)
- [Discussion](#)

Variants

Views

- [Read](#)
- [Edit](#)
- [View history](#)

- [PDF Export](#)



More

Search

Navigation

- [Main page](#)
- [Recent changes](#)
- [Random page](#)
- [Help about MediaWiki](#)

Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Permanent link](#)
- [Page information](#)
- [Cite this page](#)
- [Browse properties](#)

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- [Disclaimers](#)

