

Scandal Beck Limestone Formation

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Scandal Beck Limestone Formation ([SCBL](#)), Carboniferous, Northern England Province

Scandal Beck Limestone Formation is part of the [Great Scar Limestone Group](#)

Name

The name was first proposed by Mitchell (1972)^[1] and given formation status by Pattison (1990)^[2].

Lithology

The Scandal Beck Limestone Formation largely comprises dark grey, fine- to medium-grained, variable but commonly quite thin-bedded, packstone. Interbeds of sandstone, siltstone or mudstone between these fossiliferous limestones are common.

Genetic interpretation

Millward et al. (2003)^[3] considered the depositional environment to be a deep water carbonate ramp.

Stratotype

The type area is Scandal Beck (NY.718.040), in the Ravenstonedale area.

Lower and upper and boundaries

The base of the formation is conformable on the 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.

A succession of sandstones, oolitic limestones and layers of quartz pebbles, the Brownber Formation

(BNBF), conformably overlies the Scandal Beck Limestone Formation in Ravenstonedale (Figure 9, Column 16).

Thickness

The formation is about 120 m thick at Ravenstonedale, thinning to the north-east and south-west. It is about 50 m thick in the Appleby district.

Distribution and regional correlation

The Ravenstonedale area.

Age and biostratigraphical characterisation

Chadian to early Arundian? (see Mitchell, 1978, fig. 60^[4], col..D after Taylor et al., 1971^[5]; Ramsbottom in Dunham and Wilson, 1985^[6], p. 28; George et al., 1976, p. 39, fig. 11:4^[7]; Millward et al., 2003, fig. 7^[3]). Stratigraphically significant fossils within the formation include the coral *Dorlodotia pseudovermiculare*.

References

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