

# Bewcastle Member

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## Bewcastle Member (BWCB), Carboniferous, Northern England Province

Bewcastle Member is part of the [Lyne Formation](#).

### Name

Previously known as the Bewcastle Beds (Day, 1970)<sup>[1]</sup>.

### Lithology

Cyclical sequences of sandstone, siltstone, mudstone and thin limestones, locally dolomitic ('cementstones'); locally thin seatearths, nodular algal limestone and traces of coal (see Day, 1970<sup>[1]</sup>; Leeder, 1974<sup>[2]</sup>).

### Stratotype

A partial type section that includes nearly all of the Bewcastle Member, from the Bogside Limestone to just above a probable equivalent of the Junction Limestone, is exposed in Ashy Cleuch (NY 5648 7698 to 5808 7665) (Day, 1970)<sup>[1]</sup>.

### Lower and upper boundaries

At Bewcastle, the lower boundary is defined at the base of the [Bogside Limestone](#), and is conformable on the alternating thin limestones, 'cementstones' and mudstones of the [Lynebank Member](#) (Figure 11, Column 2).

The upper boundary is conformable with the base of the lowermost algal bed (M.A.1 of Day, 1970)<sup>[1]</sup> of the rhythmically alternating limestone and mudstone with nodular algal beds of the [Main Algal Member](#).

## Thickness

About 180 m at Bewcastle.

## Distribution and regional correlation

The Northumberland–Solway Basin, but described only in the Bewcastle region (Day, 1970)<sup>[1]</sup>.

## Age

Chadian to Arundian.

## References

- ↑      Day, J B W.1970.Geology of the country around Bewcastle.*Memoir of the Geological Survey of Great Britain*, Sheet 12 (England and Wales).
- ↑ Leeder, M R.1974.Lower Border Group (Tournaisian) fluviodeltaic sedimentation and palaeogeography of the Northumberland Basin.*Proceedings of the Yorkshire Geological Society*, Vol. 40, 129-180.

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