

## Summarised description

### Unit name

Bième Member

### Code

BME

### Status

Formal Member

### Parent unit

Acoz Formation

### Child units

none

### Characteristic description

Dark reddish siltstone and shale.

### Age

Pragian

### Thickness

140 m in type section

### Area of occurrence

Northern and north-eastern limbs of the Dinant Synclinorium, not differentiated in the Vesdre area.

### Type locality

Hanzinne River valley south of Acoz.

### Authors

Dejonghe et al. (1994)

### Modified after

Denayer, J. & Mottequin, B., 2024. Lower Devonian lithostratigraphy of Belgium. *Geologica Belgica*, 27/3-4, 115–154.

### Date

23/09/2025

### Cite as

Denayer, J. & Mottequin, B., 2025. The Bième Member, 23/09/2025. National Commission for Stratigraphy Belgium. <https://ncs.naturalsciences.be/lithostratigraphy/Bieme-Member>

## Full description

### Unit name

Bième Member

### Code

BME

### Status

Formal Member

### Parent unit

Acoz Formation

### Child units

none

### Origin of the name

Section on the eastern flank of the Bième valley (also named Ruisseau d'Hanzinne), between Acoz and Bouffioulx.

### Authors

Dejonghe et al. (1994)

### Modified after

Denayer, J. & Mottequin, B., 2024. Lower Devonian lithostratigraphy of Belgium. *Geologica Belgica*, 27/3-4, 115–154.

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### Characteristic description

The **Bième Member** is dominated by dark reddish siltstone and shale.

### Area of occurrence

The member is present along the northern and north-eastern limbs of the Dinant Synclinorium and in the Vesdre area but, in the latter region, the Bième and Ruisseau d'Hanzinne members are not recognised, as light-coloured quartzite beds already occur in the lower part of the formation.

### Type locality

The Bième Member is exposed on the eastern side of the Hanzinne River (also named Bième River), between the disused quarries of the Bois de Châtelet and the Bois d'Acoz.

### Age

Steenmans (1989) attributed the Acoz Formation to the Pragian Pa to Su zones in the Dinant Synclinorium and to the E to Su zones in the Vesdre area, suggesting a younger age eastwards.

### **Thickness**

The member is 140 m thick west of the Meuse River (Delcambre & Pingot, 2000, 2018).

### **Lower boundary**

First occurrence of reddish siltstone and argillaceous sandstone beds overlying the light-coloured quartzite of the Bois d'Ausse Formation.

### **Upper boundary**

First light-coloured quartzite beds of the Ruisseau d'Hanzinne Member

### **References**

Dejonghe, L., Hance, L. & Steemans, P., 1994. ACO – Formation d'Acoz. In Godefroid, J. et al., Les formations du Dévonien inférieur du Massif de la Vesdre, de la Fenêtre de Theux et du Synclinorium de Dinant (Belgique, France). Mémoires pour servir à l'Explication des Cartes géologiques et minières de la Belgique, 38, 121–126.

Delcambre, B. & Pingot, J.-L., 2000. Carte géologique de Wallonie : Gozée – Nalinnes 52/3-4. 1/25 000., Service public de Wallonie, Direction générale des Ressources naturelles et de l'Environnement, Namur, and its explanatory booklet, 106 p.

Delcambre, B. & Pingot, J.-L., 2018. Carte géologique de Wallonie : Gesves – Ohey 48/5-6. 1/25 000. Service public de Wallonie, Direction générale de l'Agriculture, des Ressources naturelles et de l'Environnement, Namur, and its explanatory booklet, 184 p.

Steemans, P., 1989. Étude palynostratigraphique du Dévonien inférieur dans l'Ouest de l'Europe. Mémoires pour servir à l'Explication des Cartes géologiques et minières de Belgique, 27, 1–453.