

Summarised description

Unit name

Bôlia Member

Code

BOL

Status

Formal Member

Parent unit

Bois d'Ausse Formation

Child units

none

Characteristic description

Thickly-bedded grey to green quartzitic sandstone, usually arkosic, with cross-stratifications and thin interbeds of green to blue siltstone and shale.

Age

Pragian

Thickness

C. 50 m

Area of occurrence

The northern and eastern limbs of the Dinant Synclinorium

Type locality

Section in the Tréko River valley at Vitruval

Alternative names

None

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 Bôlia Member, 23/09/2025. National Commission for Stratigraphy Belgium. <https://ncs.naturalsciences.be/lithostratigraphy/Bolia-Member>

Full description

Unit name

Bôlia Member

Code

BOL

Status

Formal Member

Parent unit

Bois d'Ausse Formation

Child units

none

Origin of the name

Bôlia locality in the Tréko River valley near Vitrival.

Alternative names

none

Authors

Dejonghe et al. (1994, p. 107) *Membre de Bôlia*

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 member is characterised by thick beds of grey to grey-green quartzitic sandstone, usually arkosic, rich in cross-stratifications that are separated by thin beds of green to green-blue siltstone and shale. Its top includes a plurimetric unit of olive-green sandstone.

Area of occurrence

The Member is recognised on the northern and eastern limbs of the Dinant Synclinorium.

Type locality

Section in the Tréko River valley section at Vitrival (Dejonghe et al., 1994).

Age

Lochkovian (Steemans, 1989)

Thickness

It reaches 50 m at the stratotype (Dejonghe et al., 1994)

Lower boundary

First thick beds of quartzitic sandstone overlying the reddish siltstone of the Fooz Formation.

Upper boundary

First reddish and greenish sandstone of the overlying Tréko Member.

Regional correlations

East of the Hoyoux valley, the distinction of that member is uneasy.

References

Dejonghe, L., Hance, L. & Steemans, P., 1994. BAU - Formation du Bois d'Ausse. In Godefroid, J. et al., Les formations du Dévonien inférieur du Massif de la Vesdre, de la Fenêtre de Theux et du Synclinerium de Dinant (Belgique, France). Mémoires pour servir à l'Explication des Cartes géologiques et minières de la Belgique, 38, 107–111.

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.