

Summarised description

Unit name

Roche à l'Appel Member

Code

RAA

Status

Formal Member

Parent unit

Fépin Formation

Child units

none

Characteristic description

Dark green quartzitic sandstone with oblique stratifications alternating with argillaceous micaceous sandstone and dark grey shale.

Age

Upper Pridoli to lowermost Lochkhovian

Thickness

0 to 80 metres

Area of occurrence

Southern margin of the Givonne Inlier

Type locality

The Roche à l'Appel Member is defined in the eponymous locality (Belanger & Ghysel, 2017).

Alternative names

None

Authors

Belanger & Ghysel (2017)

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 Roche à l'Appel Member, 23/09/2025. National Commission for Stratigraphy Belgium. <https://ncs.naturalsciences.be/lithostratigraphy/Roche-a-l'Appel-Member>

Full description

Unit name

Roche à l'Appel Member

Code

RAA

Status

Formal Member

Parent unit

Fépin Formation

Child units

none

Origin of the name

After the locality Roche à l'Appel (Muno), on the flank of the Givonne inlier.

Alternative names

none

Authors

Belanger & Ghysel (2017, p. 14) : *Membre de la Roche à l'Appel*.

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 upper part of the Fépin Formation corresponds is a lenticular unit of dark green quartzitic sandstone with oblique stratifications alternating with argillaceous micaceous sandstone and dark grey shale.

Area of occurrence

The Roche à l'Appel Member is only developed on the flanks of the Givonne Inlier.

Type locality

The section exposed in the the Roche à l'Appel (Muno) is defined as the stratotype of the member (Belanger & Ghysel, 2017).

Age

Based on the macrofossils yielded by the overlying Mondrepuis Formation in Muno, the age of the Roche à l'Appel Member is still uppermost Pridoli (Godefroid & Cravatte, 1999).

Thickness

The Roche à l'Appel Member is 0–80 m thick (Belanger & Ghysel, 2017).

Lower boundary

First bed of greenish sandstone overlying the arkosic sandstone of the underlying Haybes Member.

Upper boundary

First bed of the dark shale and siltstone of the overlying Mondrepuis Formation.

Regional correlations

The Roche à l'Appel Member is only developed in its type locality.

References

Belanger, I. & Ghysel, P., 2017. Carte géologique de Wallonie : Bouillon – Dohan et Muno 67/1-2 et 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, 60 p.

Godefroid, J. & Cravatte, T., 1999. Les brachiopodes et la limite Silurien/Dévonien à Muno (sud de la Belgique). Bulletin de l'Institut royal des Sciences naturelles de Belgique, Sciences de la Terre, 69, 5–26.