

Findenig Formation

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Österreichische Karte 1:50.000

Blatt BMN 197 Kötschach

Blatt BMN 198 Weißbriach

Blatt BMN 199 Hermagor

Blatt UTM 3109 Oberdrauburg

Blatt UTM 3110 Kötschach-Mauthen

Blatt UTM 3116 Sonnenalpe Naßfeld

Blatt UTM 3117 Nötsch im Gailtal

Carta Topografica d'Italia 1:50.000

Foglio 018 Passo di Monte Croce Carnico

Foglio 031 Ampezzo

Foglio 032 Tolmezzo

Foglio 033 Tarvisio

Definition

Flaser-like pink nodular limestone (mudstone to wackestone) at places interlayered with light gray packstone to grainstone.

Description

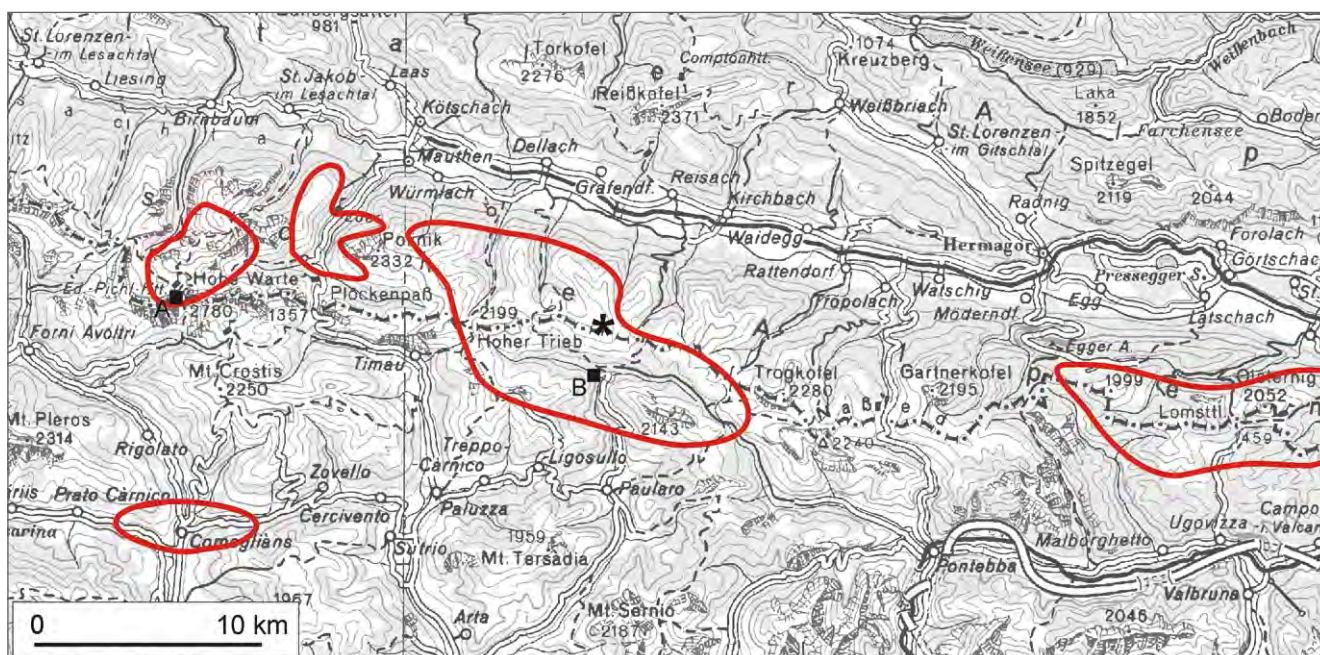
The Findenig Formation consists of red to pink nodular centimetric thick beds of mudstone/wackestone, with interlayered millimetric to centimetric red marls, and, at places, some centimetric to decimetric calcarenitic (grainstone) intervals (al-lodapic layers) and breccia (calcirudite) beds in the upper part of the unit.

Fossil content

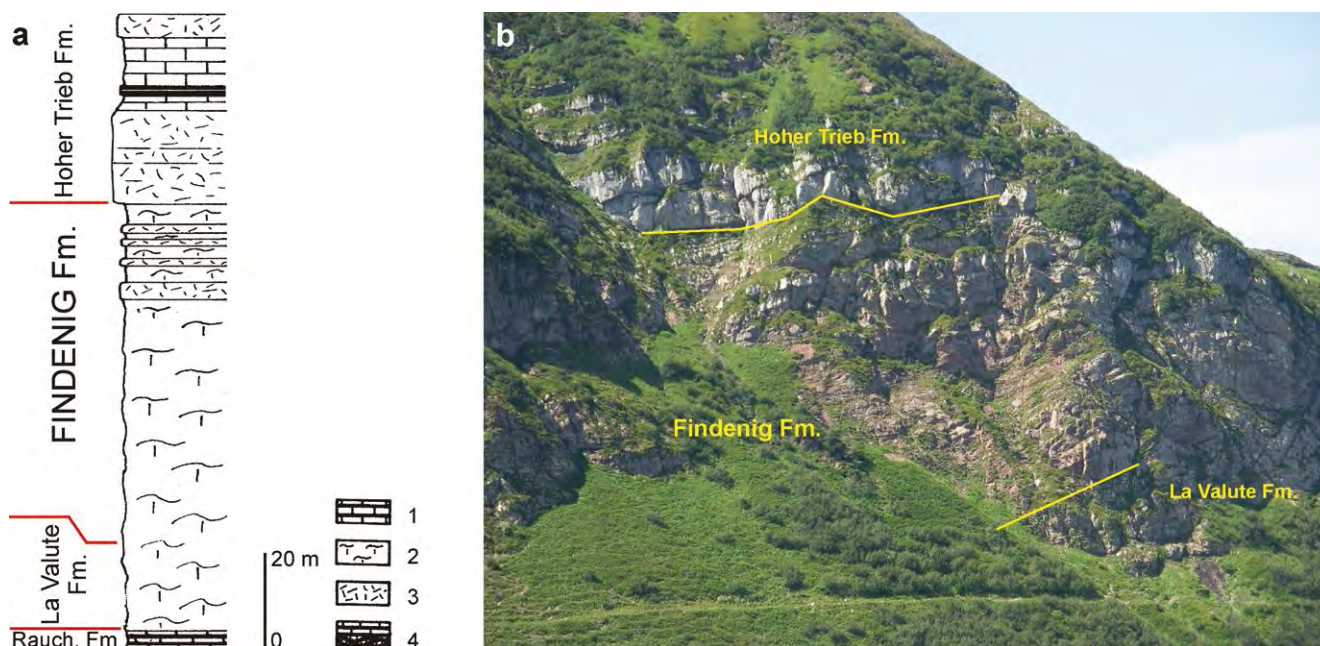
Brachiopods, conodonts, crinoids, dacroconarids, foraminifers, goniatites, orthoceratids, ostracods.

Depositional environment

The Findenig Formation took place in a pelagic environment, from slope to open basin. The al-lodapic layers have been interpreted as tempestites (VAI, 1980).



Areas of outcrop of the Findenig Formation with indication of the stratotype (asterisk) and reference sections (squares). A: Costone Lambertenghi/Seekopf Section; B: Stua Ramaz Section.



The Findenig Section 4. a) log of the section, 1: well bedded, dark gray limestone with interbedded chert, 2: gray to pink nodular limestone, 3: massive light gray rudite, 4: well bedded gray limestone with interbedded black shales (modified after PÖLSLER, 1969); b) panoramic view (photo C. CORRADINI).

Stratotype

“Findenigkofel profil 4” (PÖLSLER, 1969), on the northern slope of Findenigkofel/Mt. Lodin, at coordinates N 46°35'51.4”, E 13°06'04.0”.

Reference sections

Costone Lambertenghi/Seekopf Sockel Section, west of Lake Wolayer at coordinates N 46°36'34.6”, E 12°51'58.8” (at the base of the Findenig Formation), where the boundaries with the La Valute Formation and the Valentin Formation are well exposed and easy accessible.

Stua Ramaz Section, along the Chiarsò creek at coordinates N 46°34'32.6”, E 13°06'37.3”), where the allodapic layers are well developed (VAI, 1980).

Type area

Carnic Alps.

Main outcrop areas

The Findenig Formation crops out along the whole Carnic Alps, mainly in Lake Wolayer-Rauchkofel, Cuestalta/Hoher Trieb, to Mt. Pizzul and Mt. Cocco areas.

Thickness

About 25 m (Lake Wolayer/Volaia) to about 60 m (Findenigkofel).

Boundaries

Underlying units – La Valute Formation (conformable gradual contact), Nölbling Formation in the distal part (conformable contact).

Overlying units – Hohe Trieb Formation (conformable gradual contact), Valentin Formation (conformable gradual contact).

Lateral units – Rauchkofel Formation, Kellerwand Formation and Vinz Formation in the proximal part; Zollner Formation in the distal one.

Derivation of name

After Mount Findenigkofel.

Synonymy

Grauer und rother Kramenzelkalk: FRECH (1894).
Calcarei a tentaculiti [partim]: VAI (1963); VENTURINI (2006).
Calcarei nodulari a tentaculiti [partim]: VAI in BRAGA et al. (1971).
Findenigkalk [partim]: PÖLSLER (1969).
'Roter Flaser- und Knollenkalk': BANDEL (1974).
Reddish nodular limestone: SCHÖNLAUB (1980).
Calcarei pelagici a tentaculiti [partim]: SPALLETTA et al. (1982).
Findenig-kalk: SCHÖNLAUB (1985a).
Findenig Limestone: SCHÖNLAUB (1985b).
Tentaculite pelagic limestone [partim]: SPALLETTA & VENTURINI (1990).
Cuestalta Limestone [partim]: BRIME et al. (2008).
Calcarei di Cuestalta [partim]: SPALLETTA & PONDRELLI (2009).
Findenig-Formation/Findenig Formation: SUTTNER & KIDO (2014).

Chronostratigraphic age

Devonian: From the uppermost Lochkovian to Eifelian.

Biostratigraphy

Conodonts. – From the *pandora* β Zone (CORRIGA et al., 2011) to the *costatus* Zone (pers. comm. C. SPALLETTA, 2014).

Dacryoconarids. – From the *Homoctenowakia bohemica* to the *Nowakia (N.) holynensis* Zone (ALBERTI, 1985).

Complementary references -

Remarks -



Views of the Findenig Formation in the field. a) view of the outcrop along the Rio Chiarsò (photo C. SPALLETTA); b) allodapic layers (gray) at the Stua Ramaz Section (photo G.B. VAI); c) the typical nodular limestone of the Findenig Formation on a bed surface in the Costone Lambertenghi/Seekopf Sockel Section (photo C. CORRADINI).

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