

# Plotta Formation

CLAUDIA SPALLETTA, HANS-PETER SCHÖNLAUB, MONICA PONDRELLI, CARLO CORRADINI, LUCA SIMONETTO

Österreichische Karte 1:50.000

Blatt BMN 197 Kötschach

Blatt BMN 198 Weißbriach

Blatt UTM 3109 Oberdrauburg

Blatt UTM 3110 Kötschach-Mauthen

Blatt UTM 3116 Sonnenalpe Naßfeld

Carta Topografica d'Italia 1:50.000

Foglio 018 Passo di Monte Croce Carnico

Foglio 031 Ampezzo

Foglio 032 Tolmezzo

## Definition

Discontinuous silcrete layers (hard grounds), weakly bedded breccia or massive and laminated chert at places enriched in mineralization of Cu and Pb.

## Description

The Plotta Formation is mainly composed of white, grayish or blackish porous chert. Locally, at its base, a thin breccia layer is developed. It is composed of small subrounded limestone clasts, angular relict chert fragments and dark siliceous crust.

## Fossil content

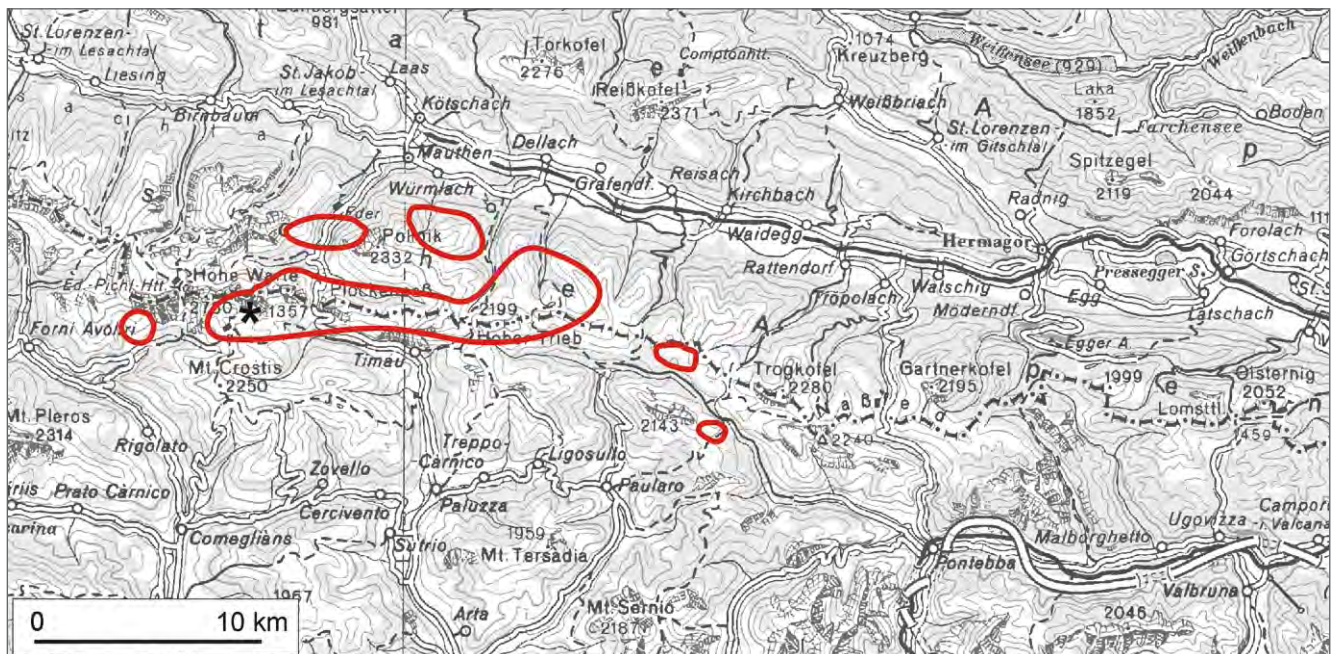
No autochthonous fossil content, mixed conodont faunas of various ages, goniatites and trilobites from the underlying limestone are present.

## Depositional environment

Paleokarstic environment due to subaerial exposure; hard grounds?

## Stratotype

Cima Plotta Section (SCHÖNLAUB et al., 1991), at coordinates N 46°35'40.57", E 12°54'26.37".



Areas of outcrop of the Plotta Formation with indication of the stratotype (asterisk).



The Plotta Section. a) log of the section (modified after SCHÖNLAUB & KREUTZER, 1993); b) view of the section in the field (photo H.P. SCHÖNLAUB).

## Reference sections -

### Type area

Central Carnic Alps.

### Main outcrop areas

The Plotta Formation crops out mainly in the Rifugio Marinelli area; scattered, patchy outcrops are found in several localities between Monte Croce Carnico/Plöcken Pass and Mt. Pal Grande/Grosser Pal, and in the Mt. Zermula area to the east.

### Thickness

Very variable, from a few centimetres to a maximum of 7 m.

### Boundaries

*Underlying units* – Polinik Formation, Kellergrat Formation, Pal Grande Formation (unconformable contacts).

*Overlying units* – Hochwipfel Formation (unconformable contact).

*Lateral units* – Pal Grande Formation.

### Derivation of name

After Cima Plotta.

### Synonymy

Lydite: SCHÖNLAUB (1980).

Plotta Formation: SCHÖNLAUB et al. (1991).

Radiolarian chert: VENTURINI & SPALLETTA (1998).

Plotta Lydite: SCHÖNLAUB et al. (2004).

Plotta-Lydit/Plotta Lydite: SUTTNER (2014).



Views of the Plotta Formation in the field. a) in the Rifugio Marinelli area (photo C. SPALLETTA); b) at Pal Grande (photo M. PONDRELLI); c) near Casera Pal Grande di Sotto (photo M. PONDRELLI).

## Chronostratigraphic age

(?) Devonian – (?) Carboniferous: (?) topmost Famennian to (?) Tournaisian (SCHÖNLAUB & KREUTZER, 1993).

## Biostratigraphy -

## Complementary references -

## Remarks -

## References

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Autor(en)/Author(s): Spalletta Claudia, Schönlaub Hans-Peter, Pondrelli Monica, Corradini Carlo, Simonetto Luca

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