

Val Visdende Formation

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Österreichische Karte 1:50.000
Blatt BMN 195 Sillian
Blatt BMN 196 Obertilliach

Carta Topografica d'Italia 1:50.000
Foglio 017 Monte Cavallino
Foglio 018 Passo di Monte Croce Carnico

Blatt UTM 3108 Sillian
Blatt UTM 3109 Oberdrauburg

Definition

Phyllitic schists alternating with quartzite beds and conglomeratic layers (CARLONI, 1971; HUBICH & LOESCHKE, 1993; CARULLI, 2006).

Description

Phyllitic schists of variable amount of quartz alternating with quartzitic layers. Subordinate conglomerate horizons are interbedded. Quartzites are less well sorted, some are of pyroclastic origin (CARLONI, 1971; HUBICH & LOESCHKE, 1993).

Fossil content

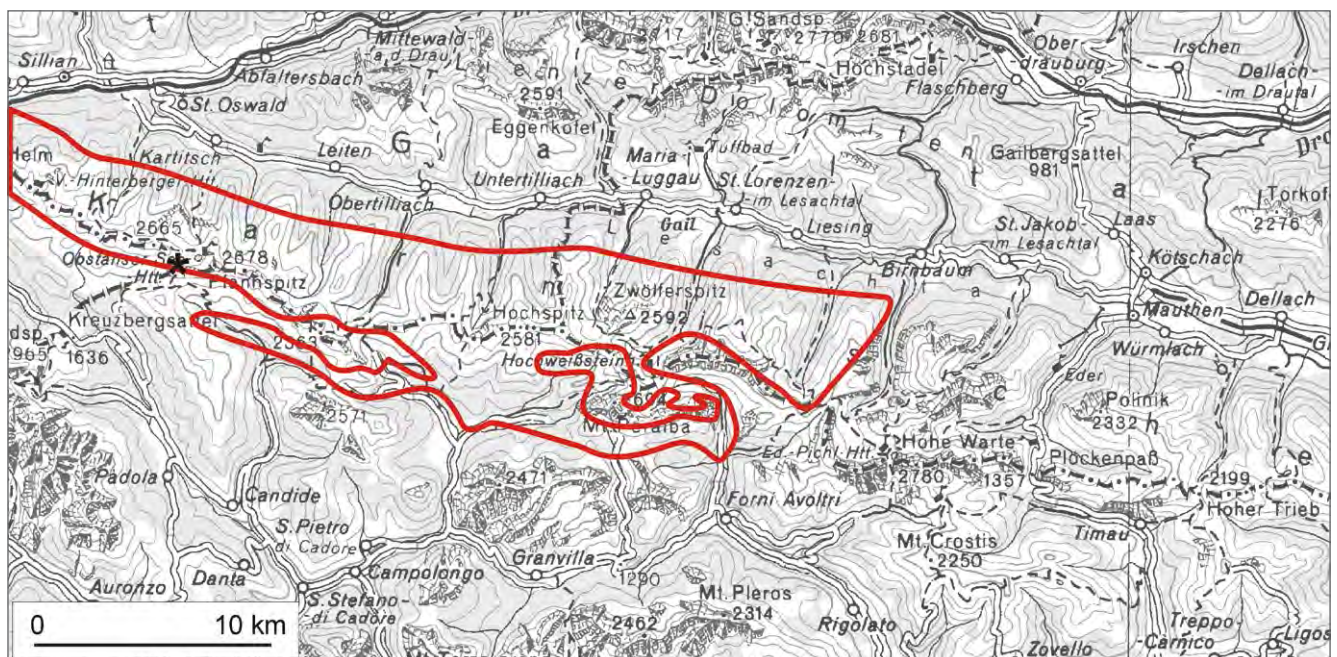
No trace of organic matter in palynological preparation (HINDERER, 1991).

Depositional environment

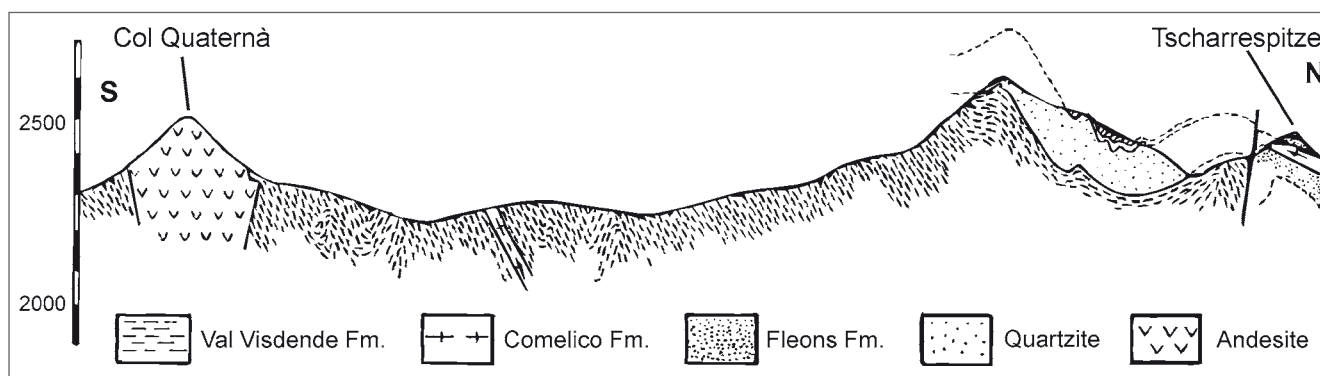
Shallow marine environment. Volcanic quartz grains, plagioclase and tourmaline suggest a source area of acidic volcanic and plutonic rocks.

Stratotype

Section between Col Quaternà and Tscharrspitze near Passo Silvella, at coordinates N 46°40'16", E 12°28'19" (HUBICH & LOESCHKE, 1993).



Areas of outcrop of the Val Visdende Formation with indication of the stratotype (asterisk). The Val Visdende Formation crops out also west of the area indicated in the map for about 15 km.



The section between Col Quaternà and Tscharrspitze (after HUBICH & LOESCHKE 1993, modified).

Reference sections -

Type area

Western Carnic Alps.

Main outcrop areas

Obstanser See, Großer Kinigat, Pfannspitze, Roßkopf, Maurerspitz, Tscharrspitze, Passo Silvella.

Thickness

More than 500 m.

Boundaries

Underlying units – ?

Overlying units – Comelico Formation (conformable contact ?); Fleons Formation; Himmelberg Formation (?); Valbertad Formation.

Lateral units – Comelico Formation (*sensu* HUBICH & LOESCHKE, 1993).

Derivation of name

After the Val Visdende Valley in northern Italy.

Synonymy

Val Visdende Gruppe: SCHÖNLAUB (1979).

Comelicophyllite: HEINISCH (1981).

Val Visdende Schiefer: HUBICH & LOESCHKE (1993).

Val Visdende Schichten: HUBICH et al. (1993).

Formazione della Val Visdende: DUCA (2004).

Val Visdende-Formation: SUTTNER et al. (2014).

Chronostratigraphic age

Ordovician: Middle Ordovician (?) inferred from the overlying Comelico Formation; Carboniferous (?) according to SPAL-LETTA & VENTURINI (1989) and VENTURINI et al. (2002).

Biostratigraphy -

Complementary references -

Remarks -

References

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