

Reference section(s): Section Oberbuchach 1 along the Gundersheimer Almroad, Bischofalmgraben, Collendiaul (SCHÖNLAUB, 1981, 1985a: p. 40, 72).

Derivation of name: After the locality Bischofalm in the Carnic Alps (Austria).

Synonyms: Basal quartzite (JAEGER & SCHÖNLAUB, 1980: p. 404); Quarzite (JAEGER & SCHÖNLAUB, 1980: Fig. 1); dünne quarzitische Lagen (SCHÖNLAUB, 1985a: p. 40).

Lithology: Dark grey to grey, thin quartzite beds, dolomitic sandstone (JAEGER & SCHÖNLAUB, 1980: p. 411; SCHÖNLAUB, 1981).

Fossils: -

Origin, facies: Marine siliciclastics, pelagic unit.

Chronostratigraphic age: Based on the above deposited graptolite-yielding shales (Lower Bischofalm Shale) which are early Silurian in age (see SCHÖNLAUB, 1979: Fig. 17 and updated version in SCHÖNLAUB, 1985a: Fig. 13), a late Ordovician to early Silurian age is proposed for this unit by JAEGER & SCHÖNLAUB (1980) and SCHÖNLAUB (1981).

Biostratigraphy: -

Thickness: Approx. 80 m.

Lithostratigraphically higher rank unit: Bischofalm Nappe (informal).

Lithostratigraphic subdivision: -

Underlying unit(s): Val Visdende Formation (conformable contact?).

Overlying unit(s): Lower Bischofalm Shale (conformable contact).

Lateral unit(s): Uggwa Shale, Uggwa Limestone, Plöcken Formation.

Geographic distribution: Carnic Alps.

Remarks: -

Complementary references: SCHÖNLAUB (1985a, 1991), SCHÖNLAUB & HEINISCH (1994), SCHÖNLAUB & HISTON (2000), HUBMANN et al. (2003).

Wolayer-Kalk / Wolayer Limestone

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Validity: Invalid; first observed by STACHE (1884: p. 337); better described by GAERTNER (1931), who already used the name Wolayer Kalk for this unit; later included within the summary of the Variscan carbonate sequences in the Carnic Alps (KREUTZER, 1992b).

Type area: ÖK50-UTM, map sheets 3109 Oberdrauburg, 3110 Kötschach-Mauthen, 3116 Sonnenalpe Naßfeld (ÖK50-BMN, map sheets 197 Kötschach, 198 Weißbriach).

Type section: Rauchkofelboden (GAERTNER, 1931: p. 136–137); N 46°36'54" / E 12°52'30"; altitude 2,153 m.

Reference section(s): Seekopfsockel (N 46°36'33" / E 12°51'58"), Valentintörl (SCHÖNLAUB, 1980b).

Derivation of name: After the Wolayer region in the central Carnic Alps (Austria).

Synonyms: Stufe der weissen und grauen Kalke (STACHE, 1884); Graue, massive, versteinerungsleere Kalke auf der Höhe des Thörl (FRECH, 1887: p. 685); Graue massive Kalke (FRECH, 1894b: Fig. 82); massive Bank von grauem oder rötlichem, aber hell anwitterndem Kalk [partim] (GEYER,

1903); Helle, massive Bank (SPITZ, 1909); roter und weißer, hell verwitternder Krinoidenkalk [partim] (GAERTNER, 1931); Krinoidenkalk ("helle Bank") [partim] (HABERFELNER & HERITSCH, 1932b); Biocalcilitutti mandorlate ("Tonflaserkalk") (MANARA & VAI, 1970); Grey massive crinoid limestone (SCHÖNLAUB, 1971a: p. 369); Ashgill-Crinoiden-Calcarenit der "Bewegtwasser-Fazies" (SCHÖNLAUB, 1971a: Fig. 2); Calcare a crinoidi, bioruditic Ist. ("Cystoideenkalk") (SPALLETTA et al., 1982: p. 282–283); Cystoideen-Kalk (DULLO, 1992); Cystoidean Limestone (DULLO, 1992).

Lithology: White massive, sparry crinoidal debris limestone (KREUTZER, 1992b).

Fossils: Bryozoans, crinoids, conodonts, cystoids, ostracodes (rare), trilobites.

Origin, facies: Marine limestone, neritic unit consisting of paraautochthonous bioclasts derived from crinozoan mounds (DULLO, 1992).

Chronostratigraphic age: Upper Ordovician (Katian–Hirnantian).

Biostratigraphy: *ordovicicus* conodont zone (FERRETTI & SCHÖNLAUB, 2001).

Thickness: 10–17 m.

Lithostratigraphically higher rank unit: Himmelberg Facies (informal).

Lithostratigraphic subdivision: -

Underlying unit(s): Himmelberg Sandstone (conformable contact). Following HUBICH & LOESCHKE (1993: Fig. 3; p. 355) and SCHÖNLAUB & FLAJS (1993: p. 236 and 240–241), the Comelico Porphyry or the Fleons Greywacke, respectively, are not directly overlain by the Wolayer Limestone as shown in the ASC 2004.

Overlying unit(s): Plöcken Formation (unconformable contact); Kok Formation (unconformable contact).

Lateral unit(s): Uggwa Limestone.

Geographic distribution: Carnic Alps.

Remarks: -

Complementary references: HABERFELNER & HERITSCH (1932b), HERITSCH (1932), SCHÖNLAUB (1979, 1991, 1992, 2000b), SCHÖNLAUB et al. (1997, 2004), VAI (1998), SCHÖNLAUB & HISTON (2000).

Uggwa-Kalk / Uggwa Limestone

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Validity: Invalid; already mentioned by STACHE (1884) as Knollenkalk; first described by GAERTNER (1931); further observed by VAI (1971) and SCHÖNLAUB (1971a, 1979, 1985a); later included within the summary of the Variscan carbonate sequences in the Carnic Alps (KREUTZER, 1992b).

Type area: ÖK50-UTM, map sheets 3109 Oberdrauburg, 3110 Kötschach-Mauthen, 3111 Spittal an der Drau, 3116 Sonnenalpe Naßfeld, 3117 Nötsch im Gailtal (ÖK50-BMN, map sheets 197 Kötschach, 199 Hermagor).

Type section: Cellon avalanche gully (see remarks), Beds 1–4+ after WALLISER (1964); N 46°36'32" / E 13°29'03"; altitude 1,500 m.

Reference section(s): Uggwa creek (VAI, 1971), N 46°33'05" / E 13°29'13"; Valentintörl, Feistritzgraben, Nölblinggraben (SCHÖNLAUB, 1985a: p. 36; DULLO, 1992).

Austrian Stratigraphic Chart 2004 - Paleozoic

(sedimentary successions)

