

Mount Findenig (N 46°35'42" / E 13°06'14"), Achomitz-Unoka section in the eastern Carnic Alps, Kokragraben near Pöckau, Feistritzgraben and Korpitschgraben, Rio Chianaletta, Casera Collinetta di Sotto, Casera Collinetta di Sopra, Monte Cavallo, Creta di Rio Secco (SCHÖNLAUB, 1985a; KRAINER, 1992); according to MOSHAMMER (1989) sediments of the Hochwipfel Formation can be found in the Karavanke Mountains in the area of the Trögen Klamm at the Smertnik-Bach and section-group E (N 46°28'00" / E 14°30'30").

**Derivation of name:** After the Mountain Hochwipfel (KREUTZER, 1992a: p. 270).

**Synonyms:** Hochwipfelschichten (KAHLER & METZ, 1955); Unter-Karbon-Flysch (TESSENHORN, 1968); Flysch (KUPSCH et al., 1971: Figs. 2, 3, p. 96).

**Lithology:** Turbidite sequence consisting of graded sandstones alternating with siltstone and shale, siliceous shale, lydites (breccias and conglomerates), tuffs.

**Fossils:** Plants, spores.

**Origin, facies:** Marine siliciclastics (flysch), pelagic unit (Distal Siliciclastic Facies).

**Chronostratigraphic age:** Tournaisian–Viséan.

**Biostratigraphy:** *anchoralis* to *texanus* conodont zones.

**Thickness:** > 1,000 m.

**Lithostratigraphically higher rank unit:** -

**Lithostratigraphic subdivision:** -

**Underlying unit(s):** Plotta Lydite, Kronhof Limestone and the Zollner Formation in the Carnic Alps and "Limestones" in the Karavanke Mountains (all units mentioned: unconformable contact which equates with the Variscan Event).

**Overlying unit(s):** Waidegg Formation in the Carnic Alps and Auernig Group in the Karavanke Mountains (all units mentioned: unconformable contact which equates with the Variscan Event).

**Lateral unit(s):** Dimon Formation, Kirchbach Limestone.

**Geographic distribution:** Carnic Alps, Karavanke Mountains.

**Remarks:** -

**Complementary references:** FRECH (1894b), FRANCAVILLA (1966), PÖLSLER (1967, 1969a), TESSENHORN (1971, 1983), GEDIK (1974), SCHÖNLAUB (1979, 1980b, 1982c, 1982d, 1984b, 1991, 1997, 1998), HUNGER (1984), KREUTZER & SCHÖNLAUB (1984), KREUTZER (1990), PERRI & SPALLETTA (1998a, d), VAI (1998), SCHÖNLAUB & HISTON (1999, 2000), MADER & NEUBAUER (2004), SCHÖNLAUB & FORKE (2007), KUTTEROLF et al. (2008).

### Dimon-Formation / Dimon Formation

THOMAS J. SUTTNER

**Validity:** Valid (SPALLETTA et al., 1980).

**Type area:** ÖK50-UTM, map sheet 3109 Oberdrauburg (ÖK50-BMN, map sheets 196 Obertilliach, 197 Kötschach).

**Type section:** Monte Dimon (SPALLETTA et al., 1980), N 46°34'03" / E 13°03'26".

**Reference section(s):** Section along the road from Paularo to Casera Ramaz in the Chiarso valley (PELLIZZER & TOMADIN, 1962; LÄUFER et al., 1993), Plenge (N 46°39'04" /

E 12°54'03"), between Kreuzleitenjoch and Nostra Alm, south of the Stallonkofel (SCHÖNLAUB, 1985a).

**Derivation of name:** After Mount Dimon.

**Synonyms:** Plengeserie (GAERTNER, 1931); Plenge-Dimon Formation (SCHÖNLAUB, 1979); Plenge-Formation (SCHÖNLAUB, 1985a).

**Lithology:** Pillow lavas and breccias, volcanoclastic sediments, green and red argillites (PELLIZZER & TOMADIN, 1962; LÄUFER et al., 1993).

**Fossils:** -

**Origin, facies:** Volcanites and volcanoclastic deposits.

**Chronostratigraphic age:** Viséan; according to VAI (1998) the formation is of Bashkirian age.

**Biostratigraphy:** -

**Thickness:** approx. 300 m.

**Lithostratigraphically higher rank unit:** -

**Lithostratigraphic subdivision:** -

**Underlying unit(s):** Kronhof Limestone (unconformable contact).

**Overlying unit(s):** Waidegg Formation (unconformable contact which equates with the Variscan Event).

**Lateral unit(s):** Hochwipfel Formation.

**Geographic distribution:** Carnic Alps.

**Remarks:** -

**Complementary references:** FRECH (1894b), PÖLSLER (1967), KRAINER (1992), SCHÖNLAUB et al. (1992, 2004), SCHÖNLAUB (1997, 1998), VENTURINI & SPALLETTA (1998), SCHÖNLAUB & HISTON (1999, 2000), VENTURINI (2006), SCHÖNLAUB & FORKE (2007).

### Kirchbach-Kalk / Kirchbach Limestone

THOMAS J. SUTTNER

**Validity:** Invalid; first described by PÖLSLER (1967); further description and fossil data by SCHÖNLAUB (1985a: p. 44), FLÜGEL & SCHÖNLAUB (1990) and AMLER et al. (1991).

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

**Type section:** -

**Reference section(s):** Plöckentunnel, Hochwipfel (SCHÖNLAUB, 1985a), N 46°35'40" / E 13°10'35".

**Derivation of name:** After the village of Kirchbach.

**Synonyms:** Kalke in den Hochwipfelschichten (PÖLSLER, 1967: p. 40).

**Lithology:** Micritic, light grey nodular limestone; it occurs only in lenticular bodies which laterally grade into silty shale.

**Fossils:** Conodonts, crinoids.

**Origin, facies:** Marine limestone, neritic unit.

**Chronostratigraphic age:** Viséan.

**Biostratigraphy:** According to SCHÖNLAUB (1985a), the conodont assemblage points to Viséan age; no distinct conodont zone is mentioned.

**Thickness:** 8–10 m.

**Lithostratigraphically higher rank unit:** -

**Lithostratigraphic subdivision:** -

# Austrian Stratigraphic Chart 2004 - Paleozoic

(sedimentary successions)

Austrian Stratigraphic Commission



ERA	SYSTEM / PERIOD / SERIES / EPOCH	STAGE / AGE	DURATION Ma	Global Classification					
				ERATHM / ERA	SYSTEM / PERIOD / SERIES / EPOCH				
PALEOZOIC	PERMIAN	CHANGHSINGIAN / Dorashanian	251	PERMIAN	MID PERMIAN / GUADALUPIAN / LOPINGIAN				
		WUCHIAPINGIAN / Dzhulfian	255						
		CAPITANIAN	260						
		WORDIAN	265						
		ROADIAN	270						
		PERMIAN	LOWER PERMIAN / CISURALIAN			KUNGURIAN	275		
						ARTINSKIAN	280		
						SAKMARIAN	285		
						ASSELIAN	290		
		PERMIAN	UPPER PERMIAN / CARBONIFEROUS / PENNSYLVANIAN			GZHELIAN	295	PERMIAN	LOWER PERMIAN / CISURALIAN
KASIMOVIAN	300								
MOSKOVIAN	305								
BASHKIRIAN	310								
PERMIAN	UPPER PERMIAN / CARBONIFEROUS / PENNSYLVANIAN			SERPUKHOVIAN	315				
				VISEAN	320				
					325				
PERMIAN	LOWER PERMIAN / MISSISSIPPIAN			TOURNAISIAN	330	PERMIAN	LOWER PERMIAN / MISSISSIPPIAN		
				335					
				340					
		345							
		350							
		355							
		359.2							
		365							
		370							
		375							
PERMIAN	UPPER DEVONIAN	FAMENNIAN	380	PERMIAN	UPPER DEVONIAN				
		FRASNIAN	385						
		GIVETIAN	390						
		EIFELIAN	395						
		DEVONIAN	MIDDLE DEVONIAN			Dalejian	400		
						405			
		DEVONIAN	LOWER DEVONIAN			EMSIAN	410		
						415			
		PERMIAN	LOWER DEVONIAN			LOCHKOVIAN	420	PERMIAN	LOWER DEVONIAN
						425			
430									
435									
440									
443.7									
445									
450									
455									
460									
PERMIAN	UPPER ORDOVICIAN	LUDFORDIAN / GORSTIAN	465	PERMIAN	UPPER ORDOVICIAN				
		HOMERIAN / SHEINWOOD	470						
		TELYCHIAN	475						
		AERONIAN	480						
		RHUDDANIAN	485						
		HIRNANTIAN	490						
		495							
		498.3							
		499							
		500							
PERMIAN	MIDDLE ORDOVICIAN	DARRIWILIAN	505	PERMIAN	MIDDLE ORDOVICIAN				
		510							
		515							
		520							
		525							
		530							
		535							
		540							
		542							
		PERMIAN	LOWER ORDOVICIAN			TREMACIAN	545	PERMIAN	LOWER ORDOVICIAN
550									
555									
560									
565									
570									
575									
580									
585									
590									
PERMIAN	UPPER CAMBRIAN	PAIBIAN	595	PERMIAN	UPPER CAMBRIAN				
		600							
		605							
		610							
		615							
		620							
		625							
		630							
		635							
		640							
PERMIAN	MIDDLE CAMBRIAN	PAIBIAN	645	PERMIAN	MIDDLE CAMBRIAN				
			650						
			655						
			660						
			665						
			670						
			675						
			680						
			685						
			690						
PERMIAN	LOWER CAMBRIAN	PAIBIAN	695	PERMIAN	LOWER CAMBRIAN				
			700						
			705						
			710						
			715						
			720						
			725						
			730						
			735						
			740						



- Legend**
- pelagic, offshore, siliciclastic
  - pelagic, nearshore, calcareous
  - shallow marin, neritic
  - terrestrial-continental, coarse clastic
  - terrestrial-continental, fine clastic
  - evaporite (chloride, sulphate)
  - rhyolite, dacite
  - (basaltic) andesite, trachyandesite
  - basalt
  - phyllite
  - mixed-facies (in corresponding colors)
  - coal (may include several seams)
  - ? position/age doubtful/controversial
  - | equal units
  - \ older unit left \ younger unit right
  - hiatus
  - unconformity
  - GSSP
  - Fm. Formation
  - Ls. Limestone

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