

Derivation of name: After Mölbling, a municipality 27 km northeast of Klagenfurt.

Synonyms: ?untere Dolomitstufe (REDLICH, 1905).

Lithology: Ferruginous dolomites.

Fossils: Conodonts, ostracods, tentaculites.

Origin, facies: Shallow marine environment.

Chronostratigraphic age: Pridoli.

Biostratigraphy: *eosteinhornensis* zone.

Thickness: About 10 m.

Lithostratigraphically higher rank unit: Althofen Group.

Lithostratigraphic subdivision: -

Underlying unit(s): ?Mölbling Limestone.

Overlying unit(s): Lower Althofen Limestone.

Lateral unit(s): ?Mölbling Limestone.

Geographic distribution: Mölbling area; ÖK50-UTM, map sheet 4102 Althofen, ÖK50-BMN, map sheet 186 Sankt Veit an der Glan.

Remarks: -

Complementary references: SCHÖNLAUB & HEINISCH (1993).

Mölbling Kalk / Mölbling Limestone

BERNHARD HUBMANN

Validity: Invalid; description by BUCHROITHNER (1979: here in lithological description of the “Paläozoikums-Aufbruch von Mölbling”).

Type area: ÖK50-UTM, map sheet 4102 Althofen (ÖK50-BMN, map sheet 186 Sankt Veit an der Glan).

Type section: No type section defined; CLAR et al. (1963) published a profile of the “Althofen-Mölbling” quarries. BUCHROITHNER (1979) described the section at the Epritz quarry (N 46°51'33" / E 14°27'03").

Reference section(s): -

Derivation of name: After Mölbling, a municipality 27 km northeast of Klagenfurt.

Synonyms: Dunkler, grobbankiger Kalk (CLAR et al., 1963); partly: untere Dolomitstufe (REDLICH, 1905), Althofener Paläozoicum (HABERFELNER, 1936), Althofener Fazies (BUCHROITHNER, 1979).

Lithology: Dark colored well-bedded limestones, platy limestones.

Fossils: Conodonts, ostracods, tentaculites.

Origin, facies: Shallow marine environment.

Chronostratigraphic age: Pridoli–?(upper) Emsian.

Biostratigraphy: *eosteinhornensis*, *gronbergi* to upper *laticostatus* conodont zones.

Thickness: About 10 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): ?Pranker Metaclastics.

Overlying unit(s): Mölbling Dolomite.

Lateral unit(s): ?Pranker Metaclastics.

Geographic distribution: Mölbling area; ÖK50-UTM, map sheet 4102 Althofen, ÖK50-BMN, map sheet 186 Sankt Veit an der Glan.

Remarks: -

Complementary references: SCHÖNLAUB & HEINISCH (1993).

Ursch-Dolomit (Kaindorf Dolomit) / Ursch Dolomite (Kaindorf Dolomite)

THOMAS J. SUTTNER

Validity: Invalid; Kaindorf Dolomite was first observed by THURNER (1935); described in detail by NEUBAUER (1979).

Type area: ÖK50-UTM, map sheets 3230 Tamsweg, 4225 Murau (ÖK50-BMN, map sheets 158 Stadl, 159 Murau).

Type section: -

Reference section(s): Area near Lorenzengraben, exposures are found near Ursch (compare NEUBAUER, 1979: p. 477; Mount Ursch: N 47°01'51" / E 14°06'03"); Kaindorf Dolomites are exposed south of St. Lorenzen near Murau in the vicinity of Schafflinger farmstead (compare NEUBAUER, 1979: Fig. 8, p. 481–482) (Schafflinger farmstead is located at N 47°05'59" / E 14°07'04").

Derivation of name: After Mount Ursch (1,848 m).

Synonyms: Dolomite von Kaindorf (THURNER, 1935).

Lithology: Bright yellowish weathering grey laminated dolomites (beds 40–60 cm thick), carbonaceous phyllites, micaceous marble.

Fossils: Conodonts, stromatoporoids or stromatolites? (NEUBAUER, 1979).

Origin, facies: Shallow marine, neritic unit.

Chronostratigraphic age: Emsian–Eifelian (NEUBAUER, 1979: p. 477); not only Emsian as mentioned in the ASC 2004.

Biostratigraphy: *kitabicus*, *gronbergi* and *kockelianus* conodont zones (NEUBAUER, 1979: Tab. 5, p. 477).

Thickness: > 20 m.

Lithostratigraphically higher rank unit: Pranker Group (see remarks at Schattloch Phyllites).

Lithostratigraphic subdivision: -

Underlying unit(s): Pranker Metaclastics (conformable contact); Lower Althofen Limestone (conformable contact).

Overlying unit(s): -

Lateral unit(s): Haider Marble (Adelsberg Limestone); Lower Althofen Limestone.

Geographic distribution: Styria and Carinthia, south of Kaindorf near Murau, close to the Styrian/Carinthian states border (NEUBAUER, 1979: Figs. 1, 5, 8).

Remarks: The Kaindorf Dolomite is combined with the Ursch Dolomite since NEUBAUER (1984: Fig. 17, p. 56) as it shows a similar lithology and stratigraphic range. It differs in the sedimentary development that is exposed below the dolomites, as in the Ursch area metapsammities are exposed whereas in the Kaindorf area shales and purple to greenish platy flaser-dolomites are outcropping (compare NEUBAUER, 1979: Figs. 6, 9, p. 477, 481).

Complementary references: THURNER (1931, 1932, 1960), NEUBAUER (1984), NEUBAUER & PISTOTNIK (1984), GOSEN et al. (1985), SCHÖNLAUB (1992).

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 / Dabuffian	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																														
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		359.2																																			
		PERMIAN	UPPER DEVONIAN	FAMENNIAN	365			PERMIAN	UPPER DEVONIAN																												
				FRASNIAN	370																																
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PERMIAN	LOWER DEVONIAN	EMSIAN	415	PERMIAN	LOWER DEVONIAN																																
		PRAGIAN	420																																		
		LOCHKOVIAN	425																																		
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		443.7																																			
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PERMIAN	UPPER ORDOVICIAN	LUDFORDIAN / GORSTIAN	460	PERMIAN	UPPER ORDOVICIAN																																
		HOMERIAN / SHEINWOOD	465																																		
		TELYCHIAN	470																																		
		AERONIAN	475																																		
		RHUDDANIAN	480																																		
		HIRNANTIAN	485																																		
		490																																			
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		500																																			
		505																																			
PERMIAN	MIDDLE ORDOVICIAN	DARRIWILIAN	510	PERMIAN	MIDDLE ORDOVICIAN																																
		44.6																																			
		45.1																																			
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PERMIAN	LOWER ORDOVICIAN	TREMA-DOCIAN	520	PERMIAN	LOWER ORDOVICIAN																																
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905	910	915	920																																		
				925	930	935	940																														
								945	950	955	960																										
												965	970	975	980																						
																985	990	995	1000																		



Legend

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

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Cutout and English adaptation of the "Die Stratigraphische Tabelle von Österreich 2004": Geological Survey of Austria

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