

Underlying unit(s): Bronteus Limestone (conformable contact).

Overlying unit(s): Limestones (unconformable contact).

Lateral unit(s): Seeland Crinoidal Limestone; Limestones, Lydites; Lydites, Limestone Breccia; Shale, Limestones.

Geographic distribution: Karavanke Mountains (Eisenkappel and Seeberg area).

Remarks: -

Complementary references: PENECKE (1887), SCHÖNLAUB (1971b, 1979), TESSENSOHN (1974a), MOSHAMMER (1987), RANTITSCH (1990, 1992b), RAMOVŠ (1999), SCHÖNLAUB & HISTON (1999, 2000).

Kalke, Lydite / Limestones, Lydites

THOMAS J. SUTTNER

Validity: Invalid; described by KUPSCH et al. (1971); lithological characters and biostratigraphy by TESSENSOHN (1974a) and MOSHAMMER (1989, 1990).

Type area: ÖK50-UTM, map sheet 4114 Bad Eisenkappel (ÖK50-BMN, map sheets 212 Vellach, 213 Bad Eisenkappel).

Type section: -

Reference section(s): Stanwiese section in Vellach (TESSENSOHN, 1974a: p. 115); Trögen Klamm section-group B (N 46°28'00" / E 14°30'24"), C (N 46°27'59" / E 14°35'03"), E (N 46°28'00" / E 14°30'30"), F1 (N 46°28'02" / E 14°30'12"), F2 (N 46°28'01" / E 14°30'18") published by MOSHAMMER (1989, 1990).

Derivation of name: After dominating lithologies.

Synonyms: Dunkelblaugraue, gebankte, verkieselte Schuttkalke (MOSHAMMER, 1990: Fig. 2); schwarzer Lydit (MOSHAMMER, 1990); "Radiolarien Chert" (MOSHAMMER, 1990: p. 575).

Lithology: Blackish limestone alternating with lydites and blackish shale.

Fossils: Conodonts, crinoids, radiolarians.

Origin, facies: Marine limestone, pelagic unit.

Chronostratigraphic age: Emsian–Givetian.

Biostratigraphy: *varcus* conodont zone (MOSHAMMER, 1989).

Thickness: Approx. 30 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Bronteus Limestone (conformable contact).

Overlying unit(s): Lydites, Limestone Breccia (conformable contact).

Lateral unit(s): Seeberg Coral-Crinoidal Limestone.

Geographic distribution: Karavanke Mountains (Eisenkappel and Seeberg area).

Remarks: -

Complementary references: SCHÖNLAUB (1971b, 1979), MOSHAMMER (1987), SCHÖNLAUB & HISTON (1999, 2000).

Lydite, Kalkbreckzie / Lydites, Limestone Breccia

THOMAS J. SUTTNER

Validity: Invalid; first recognized by LIPOLD (1856b); later described by KUPSCH et al. (1971); lithologically defined and biostratigraphically dated by TESSENSOHN (1974a) and MOSHAMMER (1989, 1990).

Type area: ÖK50-UTM, map sheet 4114 Bad Eisenkappel (ÖK50-BMN, map sheets 212 Vellach, 213 Bad Eisenkappel).

Type section: -

Reference section(s): Hainschgraben near Zell Pfarre (Eisenkappel area); Stanwiese section in Vellach (TESSENSOHN, 1974a: p. 115); Trögen Klamm section-group B (N 46°28'00" / E 14°30'24"), C (N 46°27'59" / E 14°35'03"), E (N 46°28'00" / E 14°30'30"), F1 (N 46°28'02" / E 14°30'12"), F2 (N 46°28'01" / E 14°30'18") published by MOSHAMMER (1989, 1990).

Derivation of name: After dominating lithologies.

Synonyms: Gailthaler Schichten (Kalk und Schiefer) (LIPOLD, 1856b: p. 349); schwarzer Lydit (MOSHAMMER, 1990: Fig. 2); "Radiolarien Chert" (MOSHAMMER, 1990: p. 575).

Lithology: Limestone breccia (with pebble sized components of reef rubble), lydite alternating with limestone beds.

Fossils: Conodonts, corals, crinoids, radiolarians.

Origin, facies: Marine pelagic deposits; note wrong color code in the ASC 2004.

Chronostratigraphic age: Givetian–Frasnian.

Biostratigraphy: *varcus* conodont zone (MOSHAMMER, 1989).

Thickness: Approx. 6 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Limestones, lydites (conformable contact).

Overlying unit(s): Shale, limestones (conformable contact).

Lateral unit(s): Seeberg Coral-Crinoidal Limestone.

Geographic distribution: Karavanke Mountains (Eisenkappel and Seeberg area).

Remarks: -

Complementary references: SCHÖNENBERG (1965, 1967), SCHÖNLAUB (1979), MOSHAMMER (1987), SCHÖNLAUB & HISTON (1999, 2000).

Tonschiefer, Kalke / Shale, Limestones

THOMAS J. SUTTNER

Validity: Invalid; first recognized by LIPOLD (1856b); later described by KUPSCH et al. (1971); lithologically defined and biostratigraphically dated by TESSENSOHN (1974a) and MOSHAMMER (1989, 1990).

Type area: ÖK50-UTM, map sheet 4114 Bad Eisenkappel (ÖK50-BMN, map sheets 212 Vellach, 213 Bad Eisenkappel).

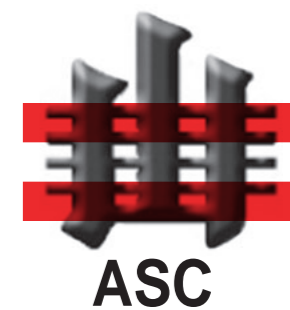
Type section: -

Reference section(s): Stanwiese section in Vellach (TESSENSOHN, 1974a: p. 115); Trögen Klamm section-group B

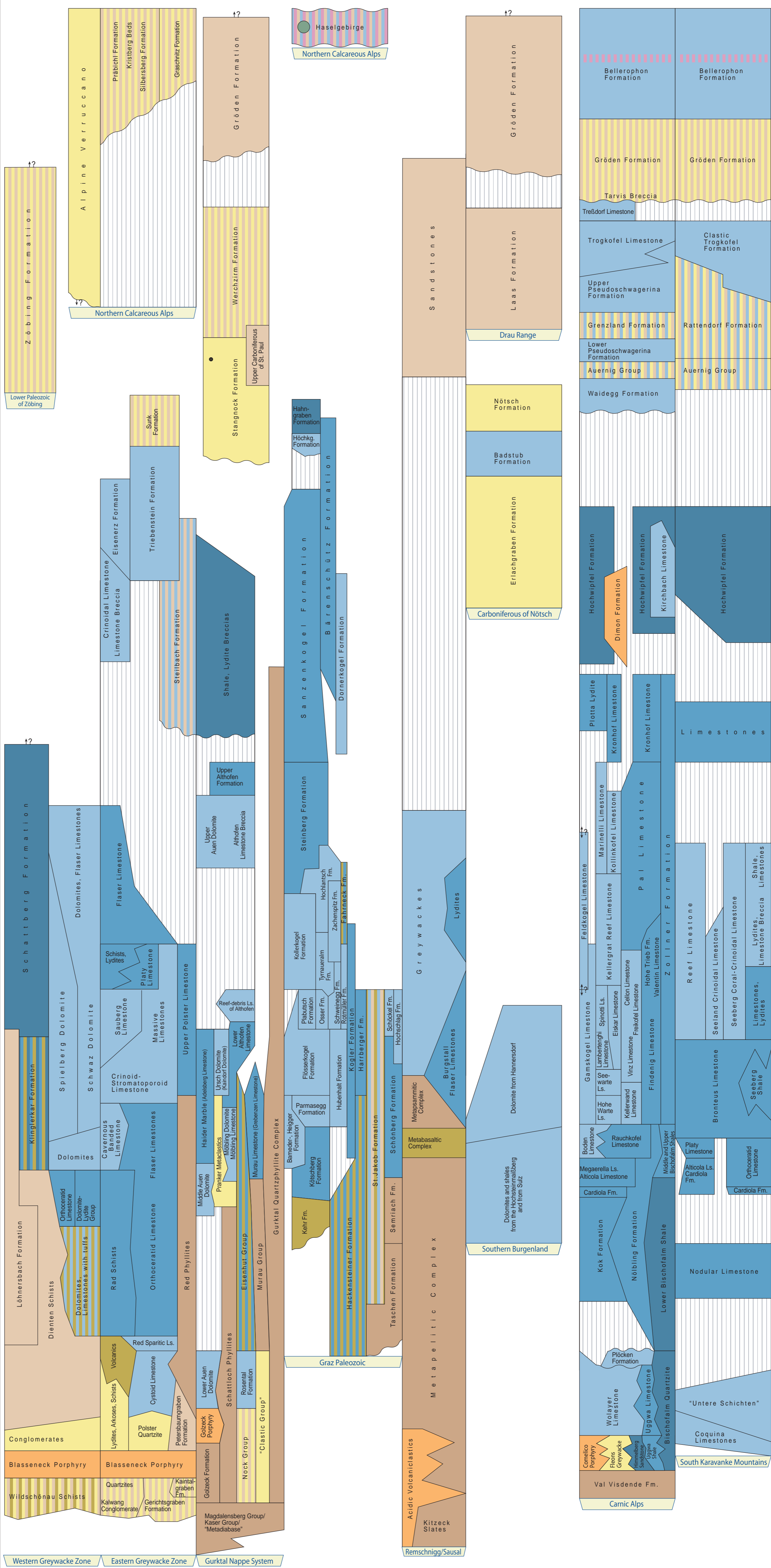
Austrian Stratigraphic Chart 2004 - Paleozoic

(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 / Dufuflian	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	LOWER DEVONIAN			EMSIAN	400		
						405			
		PRAGIAN	410						
		LOCHKOVIAN	415						
		PERMIAN	LOWER DEVONIAN			LUDFORDIAN / GORSTIAN	420	PERMIAN	LOWER DEVONIAN
						HOMERIAN / SHEINWOOD	425		
TELYCHIAN	430								
AERONIAN	435								
RHUDDANIAN	440								
HIRNANTIAN	443.7								
445									
450									
455									
460									
PERMIAN	UPPER ORDOVICIAN	DARRIWILIAN	465	PERMIAN	UPPER ORDOVICIAN				
		470							
		475							
		480							
		485							
		488.3							
		490							
		495							
		500							
		505							
PERMIAN	MIDDLE CAMBRIAN	PAIBIAN	510	PERMIAN	MIDDLE CAMBRIAN				
		515							
		520							
		525							
		530							
		535							
		540							
		542							
		CAMBRIAN	LOWER CAMBRIAN			542	CAMBRIAN	LOWER CAMBRIAN	
						535			
530									
525									
520									
515									
510									
505									
500									
495									



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

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