

Type section: No type section defined; SCHLAMBERGER (1987) noticed that in the region of Kitzreck and Demmerkogel (N 46°47'10" / E 15°25'47") boulders of typical rocks of the unit are widespread.

Reference section(s): Generally outcrops are rare in the Sausal region and therefore sections are restricted to deeply incised small valleys only. SCHLAMBERGER (1987) mentioned prominent occurrences on the ridge of the Mandelkogel-Harrachegg-Hochbrudersegg-Mitterriegel to Kogelberg.

Derivation of name: After the most prominent lithology of the unit.

Synonyms: Mandelkogelporphyroid (FLÜGEL & NEUBAUER, 1984); Saurer Vulkanitkomplex (SCHLAMBERGER, 1987); Partly: hellgrüne Talkschiefer (HILBER, 1878); Sericitphyllite (LEITMEIER, 1908); Basiskomplex (BOIGK, 1939); Mallitschberg-Serie (SCHIMUNEK, 1958); Porphyroidischer Serizitschiefer (HANSELMAYER, 1961); Orthoserizitschiefer (HANSELMAYER, 1961); Mallitschberg-Gruppe (FLÜGEL, 1964); phyllitische Schiefer (SCHÖNLAUB, 1979).

Lithology: Various volcanic and volcanoclastic rocks. SCHLAMBERGER (1987) mentioned two main types: greenish to white densely foliated types with phenocrysts of 0.1 to 1 mm in diameter, and black to light-green quartzitic types with phenocrysts greater than 3 mm in diameter.

Fossils: -

Origin, facies: Unknown.

Chronostratigraphic age: Unknown; probably pre-Silurian.

Biostratigraphy: -

Thickness: Strong variations; approx. 250 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Unknown (crystalline basement?).

Overlying unit(s): Metapelitic Complex.

Lateral unit(s): Kitzreck Slates.

Geographic distribution: Sausal region, ?Remschnigg; ÖK50-BMN, map sheets 190 Leibnitz, 207 Arnfels.

Remarks: Due to exhaustive weathering of the Paleozoic rocks and the long-lasting wine growing, a culture dating back to the Celtic epoch, only very scattered outcrops are known in that region. Lithological similarities with the Blaseneck Porphyry resulted in assumptions of an Ordovician age of the unit.

Complementary references: -

Kitzecker Schiefer / Kitzreck Slates

BERNHARD HUBMANN

Validity: Invalid; description in SCHÖNLAUB (1979): "Mallitschberg-Kitzreck Schiefer", resp. "Mallitschberg-Kitzreck Schichten").

Type area: ÖK50-UTM, map sheet 4111 Leibnitz (ÖK50-BMN, map sheet 190 Leibnitz).

Type section: No type section defined; SCHIMUNEK (1958) mentioned in his unpublished doctoral thesis a "locus typicus" of the "Kitzreck-Serie" along the road Fresing-Kern-Kitzreck-Tischlerwirt-Kroisgraben (N 46°46'02" / E 15°26'15").

Reference section(s): Reference sections (see SCHIMUNEK, 1958) are on the road Fresing-Kitzreck (N 46°46'27" / E 15°27'15") and at Kroisgraben (N 46°46'14" / E 15°26'33").

Remarks: Already in the 1950s outcrops were rather rare; SCHIMUNEK (1958) reported only isolated boulders which cannot be found in a successional sequence.

Derivation of name: After Kitzreck, the highest viticulture village of Europe (564 m altitude).

Synonyms: Meta-Quarzkeratophyre (ANGEL, 1924); Mallitschberg-Kitzreck-Schichten (SCHÖNLAUB, 1979); partly: Mallitschberg-Serie (SCHIMUNEK, 1958); Kitzreck-Serie (SCHIMUNEK, 1958); Mallitschberg-Gruppe (FLÜGEL, 1964).

Lithology: Various tectonized phyllitic quartz-rich slates.

Fossils: Unknown.

Origin, facies: ?

Chronostratigraphic age: Ordovician?, Silurian?

Biostratigraphy: -

Thickness: Strong variations; maximum 200 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Unknown.

Overlying unit(s): Metapelitic Complex.

Lateral unit(s): Acidic Volcaniclastics.

Geographic distribution: Sausal and ?Remschnigg; ÖK50-BMN, map sheets 190 Leibnitz, 207 Arnfels.

Remarks: -

Complementary references: FLÜGEL & NEUBAUER (1984).

Metapelitischer Komplex / Metapelitic Complex

BERNHARD HUBMANN

Validity: Invalid; comprehensive description by SCHLAMBERGER (1987: p. 10; "Metapelitischer Komplex").

Type area: ÖK50-UTM, map sheet 4111 Leibnitz (ÖK50-BMN, map sheet 190 Leibnitz).

Type section: No type section defined; SCHLAMBERGER (1987) presents a section of the lower part of the complex (i.e., "calcareous phyllites") at the eastern slope of Demmerkogel (N 46°47'11" / E 15°26'07").

Reference section(s): According to SCHLAMBERGER (1987) some small outcrops are at Steinbachgraben and east of Hohegg (E 15°28'24" / N 46°46'35").

Remarks: Due to bad exposure and intensive tectonic overprint no continuous sequence can be traced.

Derivation of name: After the most prominent lithology (weakly metamorphosed fine grained sediments) of the unit.

Synonyms: Partly: Gleinstätterberg-Serie (SCHIMUNEK, 1958); Serizitschiefer (HANSELMAYER, 1961); basische Vulkanite und Grünschiefer (SCHÖNLAUB, 1979); Gleinstättenberg-Serie (SCHÖNLAUB, 1979).

Lithology: Brownish to green calcareous phyllites (colors of the rocks depend on degree of weathering), phyllites to quartzitic phyllites (without hints of volcanic influence), dark-green to black metatuffs and metatuffites and marbles.

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 / Dorashamian	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	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							
		PERMIAN	MIDDLE CAMBRIAN			PAIBIAN	505	PERMIAN	MIDDLE CAMBRIAN
510									
515									
520									
525									
530									
535									
540									
542									
CAMBRIAN	LOWER CAMBRIAN			545	CAMBRIAN	LOWER CAMBRIAN			
		550							
		555							
		560							
		565							
		570							
		575							
		580							
		585							
		590							



- 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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