

Fossils: Unknown; SCHLAMBERGER (1987) reported “ghost structures” of organic debris in thin sections.

Origin, facies: Shallow marine deposits (?).

Chronostratigraphic age: ?pre-Silurian–Silurian.

Biostratigraphy: -

Thickness: Strong variations; approx. 400 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: SCHLAMBERGER (1987) mentioned four units: calcareous phyllites with maximum thickness of 250 m, phyllites (and quartzitic phyllites) at Steinriegel southeast of Kitzack with strongly fluctuating thickness, metatuffs and metatuffites with different amounts of ore mineralizations, and marbles which occur as lenses. On the eastern slope of the Demmerkogel this marble horizon reaches a thickness of 20 to 30 m.

Underlying unit(s): Acidic Volcaniclastics and Mallitschberg-Kitzeck Slates.

Overlying unit(s): Metabasaltic Complex.

Lateral unit(s): Acidic Volcaniclastics.

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

Remarks: -

Complementary references: -

Metabasaltischer Komplex / Metabasaltic Complex

BERNHARD HUBMANN

Validity: Invalid; comprehensive description by SCHLAMBERGER (1987: p. 39; “Metabasaltkomplex”).

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

Type section: No type section published; SCHLAMBERGER (1987) noticed at Wiesberg two abandoned quarries exposing rocks of the unit (N 46°47'54" / E 15°31'26").

Reference section(s): SCHLAMBERGER (1987) mentioned further occurrences at Demmerkogel and Grillkogel (ÖK50-BMN, map sheet 207 Arnfels) (N 46°44'52" / E 15°24'09").

Derivation of name: After the dominating basaltic lithology of the unit.

Synonyms: Metabasaltkomplex (SCHLAMBERGER, 1987); partly: Kugeldiabase (HOERNES, 1889); Diabasporyrit (LEITMEIER, 1907, 1908); Metadiabase [im Sausalgebirge] (ANGEL, 1924); Gleinstätterberg Serie (SCHIMUNEK, 1958); Serizit-Quarz Gesteine vom Madlkogel (SCHIMUNEK, 1958).

Lithology: Basaltic rocks of tholeiitic composition with various secondary changes in mineralogy.

Fossils: -

Origin, facies: Geochemical data (SCHLAMBERGER, 1987) point to a continental rift position.

Chronostratigraphic age: Unknown; probably Lower Devonian.

Biostratigraphy: -

Thickness: Strong variation in thickness ranging from two meters up to several meters.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Metapelitic Complex.

Overlying unit(s): Metapsammitic Complex.

Lateral unit(s): ?

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

Remarks: SCHLAMBERGER (1987) distinguished three types of metabasalts, the diabase at Wiesberg (massive and hard, dark-green to black vein rock), the metabasalts of Demmerkogel (strongly tectonized, light-green to reddish rocks), and metabasalts of Grillkogel (massive blackish basalts) at the contact to Neogene covering sediments.

Complementary references: FLÜGEL & NEUBAUER (1984).

Metapsammit Komplex / Metapsammitic Complex

BERNHARD HUBMANN

Validity: Invalid; comprehensive description by SCHLAMBERGER (1987: p. 18; “Metapsammitkomplex”).

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

Type section: No type section defined; SCHLAMBERGER (1987) mentions thick sequences overlying the diabases (= Metabasaltic Complex) at Wiesberg (E 15°31'26" / N 46°47'54").

Reference section(s): Further outcrops for reference are stratigraphically above the diabase horizon at Kreuzkogel (496 m; N 46°47'21" / E 15°30'48"), at Demmerkogel (671 m; N 46°47'10" / E 15°25'47"), north of the road from Kostnast to Grillbauer inn and in the upper part of the Wöllinggraben at the eastern slope of Nebenegg (N 46°48'13" / E 15°26'50").

Derivation of name: After the most prominent lithology (weakly metamorphosed rocks with grains of sand size) of the unit.

Synonyms: Tonschiefer (SCHÖNLAUB, 1979); partly: Gleinstätterberg Serie (SCHIMUNEK, 1958); Serizit-Quarz Gesteine vom Madlkogel (SCHIMUNEK, 1958).

Lithology: Typically compact fine-grained grey, brown or light-red rocks with local interbeddings of phyllites.

Fossils: Unknown.

Origin, facies: Due to the lack of fossils and sedimentary structures unknown. Heavy minerals point to a hinterland with acidic magmatic and metamorphic rocks. Shallow marine deposits (?).

Chronostratigraphic age: ?Lower Devonian.

Biostratigraphy: -

Thickness: Strong variations; approx. 250 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Metabasaltic Complex.

Overlying unit(s): Burgstall Flaser Limestones, Greywackes.

Lateral unit(s): Burgstall Flaser Limestones.

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

Remarks: -

Complementary references: -

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	TRIAS			GZHELIAN	295	TRIAS	U. CARBONIFEROUS / PENNSYLVANIAN
KASIMOVIAN	300								
MOSKOVIAN	305								
BASHKIRIAN	310								
TRIAS	LOWER CARBONIFEROUS / MISSISSIPPIAN			SERPUKHOVIAN	315				
				VISEAN	320				
				TOURNAISIAN	325				
PERMIAN	DEVONIAN			FAMENNIAN	350	DEVONIAN	UPPER DEVONIAN		
				FRASNIAN	355				
				GIVETIAN	360				
		EIFELIAN	365						
		DEVONIAN	LOWER DEVONIAN	EMSIAN	370				
				LOCHKOVIAN	375				
		PERMIAN	DEVONIAN	LUDFORDIAN / GORSTIAN	380			DEVONIAN	MIDDLE DEVONIAN
				HOMERIAN / SHEINWOOD	385				
				TELYCHIAN	390				
				AERONIAN	395				
RHUDDANIAN	400								
DEVONIAN	LOWER DEVONIAN			PRAGIAN	405				
				LOCHKOVIAN	410				
PERMIAN	DEVONIAN			WEN-LUD-LOCK / LOW	415	DEVONIAN	LOWER DEVONIAN		
				HOMERIAN / SHEINWOOD	420				
				TELYCHIAN	425				
		AERONIAN	430						
		RHUDDANIAN	435						
		DEVONIAN	LOWER DEVONIAN	PRAGIAN	440				
				LOCHKOVIAN	445				
		PERMIAN	DEVONIAN	HIRNANTIAN	447			DEVONIAN	UPPER ORDOVICIAN
				LLANDOVERY	450				
				AERONIAN	455				
RHUDDANIAN	460								
DEVONIAN	LOWER DEVONIAN			PRAGIAN	465				
				LOCHKOVIAN	470				
PERMIAN	DEVONIAN			WEN-LUD-LOCK / LOW	475	DEVONIAN	MIDDLE ORDOVICIAN		
				HOMERIAN / SHEINWOOD	480				
				TELYCHIAN	485				
				AERONIAN	490				
		RHUDDANIAN	495						
		DEVONIAN	LOWER DEVONIAN	PRAGIAN	500				
				LOCHKOVIAN	505				
		PERMIAN	DEVONIAN	PAIBIAN	510			DEVONIAN	LOWER ORDOVICIAN
				LLANDOVERY	515				
				AERONIAN	520				
RHUDDANIAN	525								
DEVONIAN	LOWER DEVONIAN			PRAGIAN	530				
				LOCHKOVIAN	535				
PERMIAN	DEVONIAN			HIRNANTIAN	540	DEVONIAN	UPPER ORDOVICIAN		
				LLANDOVERY	545				
				AERONIAN	550				
				RHUDDANIAN	555				
		DEVONIAN	LOWER DEVONIAN	PRAGIAN	560				
				LOCHKOVIAN	565				



- 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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