

Biostratigraphy: *amorphognathoides* conodont zone (SCHÖNLAUB, 1977b).

Thickness: > 1,000 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Blasseneck Porphyry, Gerichtsgraben Formation.

Overlying unit(s): Crinoidal Limestones (SCHÖNLAUB, 1982a).

Lateral unit(s): Polster Quartzite, Cystoid Limestone.

Geographic distribution: E-GWZ; Styria, Eisenerzer Alpen.

Remarks: Working term of SCHÖNLAUB (1982a) for ?Upper Ordovician–Silurian metaclastics and lydites above the Blasseneck Porphyry. Thick basic volcanics included within this unit are separated as “Volcanics” in the ASC 2004.

Complementary references: TOLLMANN (1977), SCHÖNLAUB (1979, 1980a), EBNER et al. (1989), FLAJS & SCHÖNLAUB (1973), SCHÖNLAUB & HEINISCH (1993).

Polster Quarzite / Polster Quartzite

FRITZ EBNER

Validity: Invalid; detailed descriptions (FLAJS & SCHÖNLAUB, 1976; STATTEGGER, 1980) are used in terms of a formation but not formalized.

Type area: Präbichl area, ÖK50-UTM, map sheet 4215 Eisenerz (ÖK50-BMN, map sheet 101 Eisenerz).

Type section: Polsterkar (N 47°32'05" / E 15°00'55"), ÖK50-UTM, map sheet 4215 Eisenerz (ÖK50-BMN, map sheet 101 Eisenerz).

Reference section(s): -

Derivation of name: According to the lithology and the mountain Polster (1,910 m; N 47°31'11" / E 14°58'28") in the Eisenerzer Alpen; ÖK50-UTM, map sheet 4215 Eisenerz (ÖK50-BMN, map sheet 101 Eisenerz).

Synonyms: “Rogenstein-Quarzit” (HIESSLEITNER, 1929).

Lithology: Grey to grey-brownish massive and indistinctly bedded, coarsening upwards quartzites (diameter of quartz components: 2 mm to 0.5 mm) (FLAJS & SCHÖNLAUB, 1976; STATTEGGER, 1980).

Fossils: Imprints of brachiopods, bryozoans (REDLICH, 1923; HERITSCH, 1927a; SCHOUPE, 1950).

Origin, facies: Sandy coastal transgressional sequence with detrital material deriving from a low grade metamorphic hinterland and the reworked underlying Blasseneck Porphyry (STATTEGGER, 1980).

Chronostratigraphic age: Upper Ordovician (Katian–Hirnantian).

Biostratigraphy: *amorphognathoides ordovicicus* Zone is assumed due to conodonts in the footwall and hanging wall (see Gerichtsgraben Formation and Cystoid Limestone, respectively; FLAJS & SCHÖNLAUB, 1976; SCHÖNLAUB, 1982a).

Thickness: 60–80 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Blasseneck Porphyry (erosional unconformity?).

Overlying unit(s): Cystoid Limestone.

Lateral unit(s): Petersbaumgraben Formation (PGF in Text-Fig. 2).

Geographic distribution: E-GWZ; Styria, NE Eisenerzer Alpen.

Remarks: -

Complementary references: TOLLMANN (1977), SCHÖNLAUB (1979, 1980a), EBNER et al. (1989), SCHÖNLAUB & HEINISCH (1993).

Petersbaumgraben-Formation / Petersbaumgraben Formation [= acronym PGF in Text-Fig. 2]

FRITZ EBNER

Validity: Invalid; first, but not formalized description in the rank of a formation as “Petersbauernbach-Formation” by HERMANN (1992) which was later re-named to Petersbaumgraben Formation (NEUBAUER et al., 1994; PILLER et al., 2004).

Type area: Petersbauernbachgraben, ÖK50-UTM, map sheet 4216 Bruck an der Mur (ÖK50-BMN, map sheet 132 Trofaiach).

Type section: NE striking ridge W of Petersbauernbach (N 47°27'41" / E 15°03'16"), ÖK50-UTM, map sheet 4216 Bruck an der Mur (ÖK50-BMN, map sheet 132 Trofaiach); not described in detail by HERMANN (1992).

Reference section(s): -

Derivation of name: After the Petersbauernbach valley, ÖK50-UTM, map sheet 4216 Bruck an der Mur (ÖK50-BMN, map sheet 132 Trofaiach) which name was later wrongly changed to Petersbaumgraben (NEUBAUER et al., 1994) and also adopted in the ASC 2004.

Synonyms: “Petersbauernbach Formation” (HERMANN, 1992).

Lithology: The sequence starts with alternating black siliceous schists, phyllites and some ignimbritic layers followed by horizons of conglomerates/breccias, light sandstones and phyllitic quartzites. The top is made up by dark phyllites with thin intercalations of coarse sands and fine conglomerates (HERMANN, 1992).

Fossils: -

Origin, facies: -

Chronostratigraphic age: ?Uppermost Ordovician.

Biostratigraphy: -

Thickness: 60 m.

Lithostratigraphically higher rank unit: “Norische Gruppe” (HERMANN, 1992).

Lithostratigraphic subdivision: -

Underlying unit(s): Blasseneck Porphyry.

Overlying unit(s): Rad Schists (HERMANN, 1992).

Lateral unit(s): Polster Quartzite.

Geographic distribution: E-GWZ; Styria, NE Trofaiach.

Remarks: According to the ÖK50-BMN, map sheet 132 Trofaiach the today's name of the type locality is Petersbauernbach.

Complementary references: -

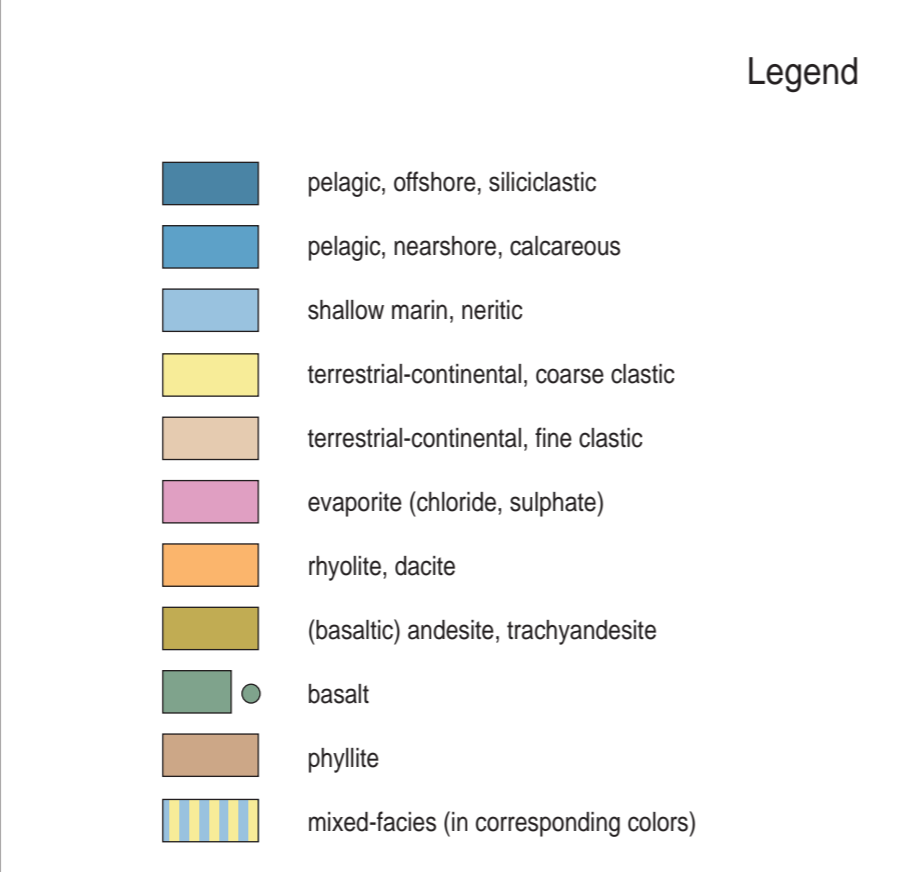
Austrian Stratigraphic Chart 2004 - Paleozoic

(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				
		WUCHIAPINGIAN / Dzhulfian	255						
		CAPITANIAN	260						
		WORDIAN	265						
		ROADIAN	270						
		PERMIAN	LOWER PERMIAN / CISURALIAN			KUNGURIAN	275		
						ARTINSKIAN	280		
						SAKMARIAN	285		
						ASSELIAN	290		
		PERMIAN	UPPER PERMIAN / PENNSYLVANIAN			GZHELIAN	295	PERMIAN	LOWER PERMIAN / CISURALIAN
KASIMOVIAN	300								
MOSKOVIAN	305								
BASHKIRIAN	310								
PERMIAN	LOWER PERMIAN / CISURALIAN			SERPUKHOVIAN	315				
				VISEAN	320				
				TOURNAISIAN	325				
PERMIAN	UPPER PERMIAN / DEVONIAN			FAMENNIAN	330	PERMIAN	UPPER PERMIAN / DEVONIAN		
				FRASNIAN	335				
				GIVETIAN	340				
		EIFELIAN	345						
		PERMIAN	LOWER PERMIAN / DEVONIAN	EMSIAN	350				
				LOCHKOVIAN	355				
		PERMIAN	UPPER PERMIAN / DEVONIAN	LUDFORDIAN / GORSTIAN	359.2			PERMIAN	UPPER PERMIAN / DEVONIAN
				HOMERIAN / SHEINWOOD	365				
				TELYCHIAN	370				
				AERONIAN	375				
RHUDDANIAN	380								
PERMIAN	LOWER PERMIAN / DEVONIAN			HIRNANTIAN	385				
				LLANDOVERY	390				
PERMIAN	UPPER PERMIAN / DEVONIAN			WEN-LUD-LOCK	395	PERMIAN	UPPER PERMIAN / DEVONIAN		
				PRAGIAN	400				
				LOCHKOVIAN	405				
		EMSIAN	410						
		PERMIAN	LOWER PERMIAN / DEVONIAN	Zlichovian	415				
				DALEJIAN	420				
		PERMIAN	UPPER PERMIAN / DEVONIAN	WEN-LUD-LOCK	427			PERMIAN	UPPER PERMIAN / DEVONIAN
				PRAGIAN	430				
				LOCHKOVIAN	435				
				EMSIAN	440				
PERMIAN	LOWER PERMIAN / DEVONIAN			Zlichovian	443.7				
				DALEJIAN	445				
PERMIAN	UPPER PERMIAN / DEVONIAN			WEN-LUD-LOCK	447	PERMIAN	UPPER PERMIAN / DEVONIAN		
				PRAGIAN	450				
				LOCHKOVIAN	455				
				EMSIAN	460				
		PERMIAN	LOWER PERMIAN / DEVONIAN	Zlichovian	464.6				
				DALEJIAN	470				
		PERMIAN	UPPER PERMIAN / DEVONIAN	WEN-LUD-LOCK	475			PERMIAN	UPPER PERMIAN / DEVONIAN
				PRAGIAN	480				
				LOCHKOVIAN	485				
				EMSIAN	490				
PERMIAN	LOWER PERMIAN / DEVONIAN			Zlichovian	495				
				DALEJIAN	500				
PERMIAN	UPPER PERMIAN / DEVONIAN			WEN-LUD-LOCK	505	PERMIAN	UPPER PERMIAN / DEVONIAN		
				PRAGIAN	510				
				LOCHKOVIAN	515				
				EMSIAN	520				
		PERMIAN	LOWER PERMIAN / DEVONIAN	Zlichovian	525				
				DALEJIAN	530				
		PERMIAN	UPPER PERMIAN / DEVONIAN	WEN-LUD-LOCK	535			PERMIAN	UPPER PERMIAN / DEVONIAN
				PRAGIAN	540				
				LOCHKOVIAN	545				
				EMSIAN	550				
PERMIAN	LOWER PERMIAN / DEVONIAN			Zlichovian	553				
				DALEJIAN	557				



© Commission for the Paleontological and Stratigraphical Research of Austria (CPSA) of the Austrian Academy of Sciences and Austrian Stratigraphic Commission

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

The Austrian Stratigraphic Chart 2004 - Paleozoic is a supplement of:
 Hubmann, B., Ebner, F., Ferretti, A., Kido, E., Krainer, K., Neubauer, F., Schönlaub, H.-P. & Suttner, T.J. (2014): The Paleozoic Era (them), 2nd edition. - In: Pillner, W.E. (Ed.): The lithostratigraphic units of the Austrian Stratigraphic Chart 2004 (sedimentary successions) - Vol. 1 - Abhandlungen der Geologischen Bundesanstalt, 66, 9-133, Wien.

Printing: Graßl Druck & Neue Medien GmbH, Bad Vöslau 2014

