

Description of the „Schaumkalkbänke“ (Lower Muschelkalk) in NW-Thuringia and the adjacent areas

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Abstract

In Western Thuringia and in the Subherzyn the „Schaumkalkbänke“ of Lower Muschelkalk shows directed variations of thickness probably caused by Eichsfeld-Swell. The thickness-variations will be presented in six profiles. At Southern edge of Eichsfeld-Swell the thickness of the „Schaumkalkbänke“ becomes higher from W to E (Profile Röhrda- Rabenhög near Craula) and from SW to NE (Misserode to Gerode). In the profile Gerode (Ohmgebirge) the dolomite facies is missing. Especially, in the quarry Reifenstein the thickness of Lower Schaumkalkbank is extraordinary high. In the Northern foreland of the Harz-Mountains (Ermsleben) the Lower Schaumkalkbank ist 2,2 m thick. The described Acrodus-Bank is assumed to be equal to the Middle Schaumkalkbank.