

The fluorspar mining in the area of Ilmenau / Gehren – a ramble across the geology, mineralogy und mining history

HENRY STEINBORN

Abstract

The changeful history of mining in the area of Ilmenau / Gehren starts already in the Middle Age. Presumably since the 14. century being among cuppershale, manganese ore and stone coal also fluorspar was spented. The fluorspar-baryt-deposit is linked on the regional significant Floßberg-Stechberg-fault. This fault, who is penetrate the magmatic formation of *Möhrenbach-Formation* (old: *Untere Gehrener Schichten*) und the *Ilmenau-Formation* (old: *Obere Gehrener Schichten*), was mineralize in multiple sequence by ricing saliniferous fossil water and by sinking vadose alteration water. In the process mainly fluorit, but also baryt und calcite in economic significant quantity was deposited and other a period of a 150 years developed a mining.