

かざんだん 火山弾  
どうない 洞内にのこる火山噴火の痕跡  
こんせき 西伊豆エリア・岩地・石部・雲見ジオサイト  
室岩洞

Volcanic Bombs - Evidence of Volcanic Eruptions



むろいわどう  
室岩洞の石は、海底火山の噴火による軽石や火山灰が、海底に降りつもり、長い年月をかけて石へと姿を変えたものです。

洞内の天井や壁をよく見ると、ところどころに岩が飛び出していることに気が付きます。この岩は溶岩の破片などが火口から飛び出した「火山弾」です。かつてこの場所には、火山灰だけではなく火山弾も飛んできたのです。

溶岩の破片である火山弾は、火山灰が降りつもってできた石よりもずっと硬いため、これをよけて採石したのかもしれない。

The stone in Muroiwado originates in volcanic ash and pumice from ancient submarine volcano eruptions, which accumulated on the ocean floor and turned to stone over a long period of time. You will notice that there are rocky protrusions on the ceiling and wall surfaces in the cave. These protrusions are so-called "volcanic bombs", which are pieces of molten lava ejected from volcanic vents during eruptions. This is evidence that not just ash but also volcanic bombs were released during volcano eruptions. Being a piece of molten lava, the volcanic bomb is much harder than stone made from the accumulation of volcanic ash. One can imagine that quarry workers must have had to work around these hard rocks.

