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陕南硒中毒区地层时代的厘定 [点此下载全文](#)

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摘要:

本文通过对南秦岭大巴山的紫阳县典型硒中毒区双安乡闹热村所在地及邻区分布的基岩的岩石类型、岩相和层序等进行研究和分析, 发现紫阳县双安乡闹热村硒中毒区出露的地层主要为晚震旦世和早寒武世鲁家坪组下部厚约40余米的富硒高硫黄铁矿化黑色碳质硅质板岩和黄铁矿化火山凝灰岩, 该层位可以和云南下寒武统筇竹寺组下部和贵州牛蹄塘组下部的地层对比。该层岩石含硒量为10~56mg/kg, 平均为32mg/kg左右, 是大巴山地区所有地层和岩石中含硒量最高的。该硒中毒区主要几块高硒田块(土壤含硒量为16~36mg/kg)下部分布的就是这套高硒的早寒武世黄铁矿化黑色碳质硅质板岩和黄铁矿化火山凝灰岩地层。

关键词: [硒中毒区](#) [地层时代](#) [紫阳县](#) [晚震旦世-早寒武世地层](#) [高硒岩层](#) [黑色页岩](#)

The Age of Rock Distribution in the Selenosis Region, South Shaanxi Province [Download Fulltext](#)

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Fund Project:

Abstract:

Based on the lithologic character, the sequence and the sediment features of the bedrocks which distribution in the typical selenosis (selenium poisoning) region in Naore Village in South Qinling Mountain, Ziyang County, Shaanxi Province, the bedrock in there is the lower part of Lujiaping Formation, and may correspond to the lower part of black shale of Qiongzhusi Formation-Early Cambrian in Yunnan Province and Niutitang Formation of Early Cambrian in Guizhou Province, South China. The bedrock of lower Cambrian in there is more than 40 meters thick of black carbonaceous siliceous slate and volcanic tuff, which selenium content is about 32 mg/kg on the average, it is the highest of all strata and rocks in south Qinling Mountain. The bedrock of the farming field, which soil has the selenium content of 16-36 mg/kg, just is this black carbonaceous siliceous slate and volcanic tuff of lower part of Lujiaping Formation of Lower Cambrian.

Keywords: [South Qinling Mountain](#) [Neoproterozoic-Lower Cambrian](#) [selenium-rich rock](#) [black shale](#)

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