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南岭地区矿产资源形势分析和找矿方向研究

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摘要：

南岭地区地质工作程度较高,但近20年来地质找矿与科研工作投入不足,导致南岭地区一些优势矿产储量消耗过快,影响到矿业的可持续发展。近年来,南岭地区芙蓉锡矿等一批新矿产地和八仙脑式破碎带蚀变岩型钨矿等一批新矿床类型的发现,充分说明,只要认真开展成矿预测研究,配合地质找矿实践,在南岭地区取得找矿突破的可能性并不亚于西部地区。因此,目前迫切需要加强对南岭地区成矿规律的深入研究,尤其是加强矿床成矿系列、成矿体系、成矿物质来源及其超常规富集成矿机制、大型超大型矿床与矿集区、常规优势矿产与非优势矿产之间相关关系等方面的创新性研究与探索,为危机矿山“探边摸底”和新矿产地的发现提供理论指导和科学依据。

关键词：南岭 矿产资源 潜力评价 新进展

Assessment on Mineral Resource in Nanling Region and Suggestion for Further Prospecting

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Abstract:

Even lots of geological work have been taken out before the new century, less and less money has been invested in the Nanling region, South China, during the past two decades, resulted in the quickly decrease of inferred mineral resources. Recently, with the new discover of some W-Sn deposits in Nanling, such as the Furong tin deposit in South Hunan and the Baxiannao tungsten deposit in south Jiangxi, more and more attention has been paid to this important metallogenic belt in China. That means, in China, even western China is still the most attractive area for investment of mineral resources, Nanling is also an ideal region for further prospecting and might be one of the most possible regions to find new deposits recently. So, it is suggested that, research works and innovation are urgently needed for prospecting in a new area or for a existed mine, especially the studies on the regional metallogeny of the whole region, the minerogenetic series, the mineralization system, the source and some elements such as W and Sn and the mechanism of their unusual enrichment, the relationship between conventional and unconventional dominant mineral resources.

Keywords:Nanling mineral resources potential assessment of mineral resources new advances

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