西藏谢通门县普迟亚地区高精度磁测成果及找矿方向

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中文摘要:通过1:5万地面高精度磁测的实地调查,对工作区的磁场特征有了详细的了解。经磁异常的定性分析,筛选出11个找矿潜力较大的异常区。同时1:5万水系沉积物测量成果表明区内主要找矿元素为Cu、Pb、Zn。磁异常的定性分析对这些金属矿的深部找矿预测可以提供有利证据。结合化探异常、地质特征、矿化特征优选出了展咱木部—坑马勒间强磁异常区、色药高强度磁异常区、牙哥弱强度磁异常区三个找矿潜力最好的磁异常区,并指明了其找矿方向。

中文关键词:谢通门 高精度磁测 磁异常 找矿潜力 找矿方向

High-precision Magnetic Survey in Puchiya Area of Xaitongmoin County, Tibet, and Oreprospect

Abstract: Through 1:50000 high-precision magnetic survey performed in Puchiya area, the authors acquired a detailed understanding of the characteristics of the magnetic field. On the basis of a qualitative analysis of magnetic anomalies, 11 potential anomaly areas for ore prospecting were recognized through screening. Meanwhile, 1:50000 regional stream sediment survey shows that the main metallogenic elements are Cu, Pb and Zn. Qualitative analysis of magnetic anomalies of these metallic deposits can provide favorable evidence for ore-prospecting work at depth. In combination with geochemical anomalies, geological characteristics, optimized magnetic anomalies, three best magnetic anomaly districts were delineated through optimization, namely Zhanzanmubu-Kengmalejian high-intensity magnetic anomaly district, Seyao high-intensity magnetic anomaly district, and Yageruo weak-intensity magnetic anomaly district. Ore-prospecting orientations in these three districts are also indicated in this paper.

keywords:Xaitongmoin high-precision magnetic survey magnetic anomaly ore-prospecting potential ore-prospecting orientation

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