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APPLICATION OF FAVORABLE FACTOR CORRELATION METHOD FOR TARGETING GOLD DEPOSITS IN THE SOUTHERN AILAOSHAN MINERALIZING BELT

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Abstract: "Favorable factor correlation method" is almost applied for mineral resource reserve forecasting, and never found in mineral resource perspective districts targeting. Based on geological features, mineralization pattern and model of gold deposits, comprehensive information of relevant gold deposits, using favorable value as parameter of "favorable factor correlation method" by first attempt for targeting perspective districts is analyzed. Six gold perspective districts are targeted, among which two are type A and four are type B. Of all twenty gold deposits discovered, 85% is in A type perspective districts, 10% is in B type perspective districts, and 5% is close to A or B type perspective districts. Predicted targets are coincident with existing gold deposits, which demonstrate that the "favorable factor correlation method" is reliable and effective for mineral resource targeting.

Key words: "favorable factor correlation method", mineralization target, gold deposit, southern Ailaoshan mineralizing belt

《神眼之光——商业性矿产勘查》一书简介

商业性矿产勘查是矿业最重要的组成部分,是矿业赢利的基础。这不是一本商业性矿产勘查理论研究的书。作者刘益康曾任西南冶金地质勘查局、中国冶金地质勘查工程总局总工程师,他根据自己在商业性矿产勘查中的实践,特别是退休以后的实战演练心得,用一些生动和大众化的语言,引用国内外的一些矿产勘查商业运作实例,夹叙夹议,把市场经济条件下,特别是西方主要矿业国家的商业性矿产勘查的基本理念、体制机制、运作方式、重要信息介绍给读者,勾勒出一幅商业性矿产勘查的全景图,可以起到一些商业性矿产勘查的运作指南的作用。

本书共分十章。第一章概述;第二章商业性矿产勘查的市场主体;第三章商业性矿产勘查的投资决策;第四章商业性矿产勘查的筹融资;第五章商业性矿产勘查的运作;第六章商业性矿产勘查的技术标准;第七章政府对商业性矿产勘查的服务与管理;第八章商业性矿产勘查的行业协会;第九章我国矿产勘查引进来的回顾和展望;第十章商业性矿产勘查的典型案列。全书共20万字。由地质出版社在2007年9月出版。

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