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EXTRACTING ALTERATION INFORMATION OF REMOTE SENSING BASED ON ALTERATION INFORMATION FIELD

LU Feng - jun¹, XING Li - xin², FAN Ji - zhang¹, PAN Jun², MENG Tao², HE Quan - jun³

(1. Institute of Mineral Resources Prognosis of Synthetic Information, Jilin University, Changchun 130026;

2. College of Geoexploration of Science and Technology, Jilin University, Changchun 130026;

3. Guangzhou Meteorological Satellite Grounel Statim, Guangzhou 510640)

Abstract: Remote sensing hue anomaly is an important indication for remote sensing mineralization information identification and ore - finding. Ratio enhancement and principal component analyses are main ways for extracting alteration information. However, there is no unified standard how to identify and classify anomaly hues of multi - spectral remote sensing data. Based on image enhancement, characteristic vector selection, characteristic vector assemble analysis and anomaly hue distributing rules, model dictionary in the studied area is established and alteration information theory is put forward. Quantitative inverse of anomaly hues is conducted based on alteration information. Remarkable prediction results are got in the Xiaoxinancha gold deposit.

Key words: alteration information field, model identification dictionary, anomaly hue, quantitative inversion

2005 年中国矿业十大新闻评出

经中国矿业联合会、中国煤炭工业协会、中国冶金矿山协会、中国石油企业协会等团体,以及相关产业新闻媒体的联合评选,2005 年中国矿业十大新闻揭晓。它们是:

1. 国务院下发通知,开展全面整顿和规范矿产资源开发秩序。
2. 国务院研究部署加强地质工作。
3. 中哈石油管道一期工程阿塔苏—阿拉山口段铺设竣工;中石油收购 PK 公司成功,这是迄今为止中国石油企业在海外实现的最大收购;中海油收购优尼科公司失败。
4. 进口铁矿石提价 71.5%,中国钢铁企业联合对外,在铁矿石谈判中的话语权提高。
5. 国务院首次下发指导煤炭工业发展纲领性文件——《关于促进煤炭工业健康发展的若干意见》。
6. 煤矿重特大事故频发;红顶煤商撤资 5.62 亿元。
7. 2005 年 7 月《钢铁产业发展政策》正式出台。
8. 中国大陆科学钻探工程竣工。
9. 中国国际矿业大会在京隆重召开。
10. 黄金价格创 25 年来最高。