

Remote-sensing applications for mineral exploration - edited by William L. Smith.

Dowden, Hutchinson & Ross [New York] exclusive distributor Halsted Press - Computer Applications in Resource Estimation



Description: -

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Prospecting -- Remote sensing
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Applications of remote sensing techniques in mineral exploration

Targeting mineral resources over large arid and semi-arid environments can be achieved using multispectral Landsat 8 data. Methods Our study integrated airborne-, field-, and laboratory-based spectroscopic data with field- and laboratory-based geologic studies. Therefore, it is impossible to use only one spectral curve as the basis for the classification of lamprophyres in this region by hyperspectral images.

Application of Imaging Spectroscopy for Mineral Exploration in Alaska: A Study over Porphyry Cu Deposits in the Eastern Alaska Range

Reported alteration zonation at Orange Hill includes a 400- × 2,000-m zone of potassically altered rocks that contain biotite, quartz veinlets, minor K-feldspar, chlorite, and sericite and an outer 1,000- × 3,000-m zone of chlorite and minor sericite.

Remote Sensing And Mineral Exploration Proceedings Of A Workshop Of The Twenty Second Plenary Meeting Of Cospar Bangalore India 29 May To 9 June 1979 Volume 10 PDF Book

The information collected during exploration is utilized to evaluate the size and quality of an ore deposit and to establish there is an option for it to be mined.

Using Imaging Spectroscopy To Map Acidic Mine Waste

Structures can indicate potential locations of oil and gas reserves by characterizing both the underlying subsurface geometry of rock units and the amount of crustal deformation and stress experienced in a certain locale.

Remote Sensing in Mineral Exploration

Mapping of iron and steelwork by-products using close range hyperspectral imaging: A case study in Thuringia, Germany. Altered and mineralized rock samples confirm local bedrock sources of anomalous metals.

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Geological exploration itself is a process of continuous understanding, summarization, and a trusted approach.

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