

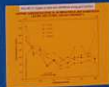
GEOCHEMICAL DISPERSION AT THE GALAXY DEPOSIT: DRIFT EXPLORATION IMPLICATIONS

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INTRODUCTION
The Galaxy deposit is a large-scale, low-grade, open-pit copper deposit located in the northwestern part of the Klamath Mountains in Oregon. The deposit is characterized by a complex pattern of drift and bedrock, which has resulted in a highly heterogeneous geochemical environment. This study focuses on the dispersion of geochemical signatures from the deposit into the surrounding drift, and the implications for drift exploration.

METHODS
Geochemical data were collected from a series of drift profiles and cross-sections across the Galaxy deposit. The profiles were established along major drift channels and were used to monitor the dispersion of geochemical signatures from the deposit into the surrounding drift. The data were analyzed using a variety of statistical and geochemical techniques, including principal component analysis (PCA) and cluster analysis.

RESULTS AND DISCUSSION
The results of this study show that the Galaxy deposit is a highly heterogeneous geochemical environment, with a complex pattern of drift and bedrock. The dispersion of geochemical signatures from the deposit into the surrounding drift is highly variable, and is controlled by a number of factors, including the degree of weathering, the presence of secondary minerals, and the degree of mixing between the deposit and the surrounding drift.



CONCLUSIONS
The results of this study show that the Galaxy deposit is a highly heterogeneous geochemical environment, with a complex pattern of drift and bedrock. The dispersion of geochemical signatures from the deposit into the surrounding drift is highly variable, and is controlled by a number of factors, including the degree of weathering, the presence of secondary minerals, and the degree of mixing between the deposit and the surrounding drift.

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